## Appendix 4 Weather observation data at 6 sites in Viti Levu South area（31）

Suva－Rainfall

|  | 1 19 | 2日 | 3旦 | 4旦 | 15日 | 6 旦 | 7 70 | 18日 | 9 9 | 10日 | 11昌 | 12 旦 | 13日 | 148 | 15日 | 16 星 | 7 7 | 18日 | 19 日 | 20 | 21日 | 22 I | 23日 | 24日 | 25 日 | 26日 | 27旦 | 28日 | 29日 | 30日 | 31日 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999．01 | 12 | 51.7 | － 1 | 7.1 | 0 | 2.9 | 3.8 | 0 | 0.3 | 1.1 | 6.4 | 0 | 0 | 0 | 0 | － 0 | 26.9 | 31.7 | 28.9 | 111.1 | 3.8 | 34.1 | 2.6 | 3.4 | 11.3 | 2.9 | 14.2 | 0.9 | 48.5 | 10.5 | 3.9 |
| 1999－02 | 0 | 0.4 | 0.1 | 0.6 | 22.1 | 27.8 | 0.3 | 0 | 27 | 2.1 | 20.6 | 5.2 | 0.3 | 44.2 | 12.4 | 11.4 | 24.2 | 1.5 | －0 | 2.5 | 4. | 3.3 | 0.8 | 0.1 | 0 | 2.8 | 23.7 | 8.9 | － | － | － |
| 1999－03 | 18.8 | 0 | － 0 | 0 | 0 | 16.4 | 20.1 | 0 | － 0 | 0 | 24.2 | 13.8 | － 0 | 0.1 | －0 | － 0 |  | 27.4 | 2.9 | 0.1 | 16.8 | 78.9 | 34.1 | 19.2 | 12.1. | 19 | 29.7 | 16.7 | － 19 | 31.8 | 0.8 |
| 1999－04 | 70.6 | 1.8 | － 3 | 8.8 | 12.5 |  | 1.5 | 1.8 | 47.5 | 0.2 | － 0 | 18.6 | 0.6 | 5.3 | 0 | 1.7 | 9.8 | 17.3 | 91.3 | 62.5 | 0.2 |  |  | 0 |  | 1.3 | 5.2 | －0 | $0$ | 6.3 |  |
| 1999．05 | 0.2 | 0.6 | 0.8 | 19.2 | 15.2 | 10.6 | 11.2 | 3.8 | 0 | － 0 | 4.5 |  | 0 | 1.8 | 0.2 | 0.2 | 0.3 | 13.2 | 0.7 | 0.8. | 0.1 | 15 | 18.8 | 13.4 | 0 | 2.3 | 1.8 | 0.2 | 0.2 | － 2.6 | 6.8 |
| 1999－06 | － | 0.6 | 38.1 | 0.2 | 0.3 | 43.4 | － 0.1 | － | 1.6 | 0 | 0 | － 0 | 0 | － 0 | － 0 | 0 | 0 | 2.7 | － 1.9 | 18.1 | 11.4 | 0 | － 0 | 0 | 0 | 0 | 0 | 2.3 | 0.8 | － 3.5 |  |
| 1999－07 | 2.4 | 0.4 | 0 | 0 | 0 | 2.7 | －3．7 | － 0 | 0 | 0 | 0.2 | －0 | 0 | 0.8 | 45.1 | 0.1 | 14.8 | 4.9 | 0.4 | 4 | 0.7 | 0 | 13.8 | 12.2 | 0 | 14.4 | 3.3 | 3.3 | 29.9 | 2.1 | 0.4 |
| 1999－08 | 14.3 | 13.2 | 0.4 | 2.8 | 0.2 | 2.2 | 50.9 | 35.9 | 9.6 | － 5 | 15.6 | 82.9 | 3.1 | 0.9 | 2.9 | 2.3 | 1．4 | 0 | 1.2 | 13. | 0 | 0.9 | 6.9 | 33 | 9.7 | 1.3 | 13.7 | 1.6 | 0.6 | 2.8 | 5.7 |
| 1999－09 | 7.1 | 79.7 | 6.1 | 22.8 | 35.6 | － 0 | － 0 | 0 | 9.4 | 0.4 | －0 | 0 | 2.3 | 3.4 | 0 | 0.1 | 0.6 | － 2 | 63.3 | 61.3 | 21.5 | 0 | 0 | 4.1 | 1.1 | 1.8 | 1.5 | 2.5 | 0 | 0.1 |  |
| 1999－10 | 0.1 | 0.5 | 13.4 | 2.1 | 0 | 0 | 0.4 | 0.1 | 21.9 | 31.2 | 38.6 | －0 | 0 | 0 | 0 | 13.2 | 17.5 | 36.4 | 0.8 | 6.4 |  | 0.2 | 18 | 3.1 | 0.9 | 0.7 | 0.5 | 1 | 28. | 54.1 | 21.7 |
| 1999－11 | 0.3 | 47.7 | 9.7 | 1.7 | 4.5 | 2.5 | 0 | 17.6 | 23.4 | 1.1 | 0 | －0 | 22 | 22.7 | 7.7 | － | 0. | 14 | 17.5 | 0 | 39.1 | 88.2 | 5.6 | 0.6 | 1.6 | 38.9 | 9.2 | 0.6 | 11. | 13.1 | － |
| 1999－12 | 16.7 | 114.3 | 80.8 | 3.5 | 24.7 | 36.6 | 0.3 | 35.6 | 41.7 | 2.3 | 9.7 | 8.9 | 9.4 | 27.9 | 4.8 | 1.1 | 0.5 | 0 | 1.8 | 0.4 | 0.7 | 9.7 | 19.5 | 9.1 | 0 | 1.5 | 2.8 | 89.3 | 5.7 |  | 0 |
| 2000－01 | － | 0.2 | － 0 | 12.2 | 46.7 | 26.3 | 4.1 | 0.3 | 7.5 | 8.4 | 0.5 | 5.6 | 2.9 | 2.8 |  | 0.2 | 2.7 | 3 | 0.8 | 12.5 | 25 | 24.5 | 17.1 | 24.5 | 8.3 | 0.1 | 0 | 3.3 | 19 | 3.1 | 0.1 |
| 2000．02 | 0.4 | 0.2 | －0 | 0.2 | 10.2 | 18.5 | 55.2 | 0.5 | 0.5 | 10 | 4.5 | －0． | 0.6 | 6 | 0 | 0.6 | 2.8 | 2.9 | 0.2 | 2.3 | 0.6 | 0 | 0.2 | 18.9 | 0 | 24.4 | 0.5 | 0.2 | 0 | － |  |
| 2000－03 | 2.7 | 24.3 | ， | 9.2 | 0 | ， | 0.3 | 4.8 | 5.6 | 1.3 | 12.8 | 23 | 3.9 | 2.5 | 2.1 | 0 | 19.7 | 13.7 | 0.2 | 0 | 14 | 1.9 | 28.6 | 2.3 | 0.4 |  | 6.7 | 0.1 | 10.2 |  | 0.6 |
| 2000－04 | 3.2 | 16 | 34.5 | 20.2 | 6.8 | 5.9 | 0.3 | 9.2 | 0.1 | 9.7 | 3.7 | 6.8 | 18.6 | 14.5 |  | 0.4 | 0.3 | 0.1 |  | 0 | 19. | 1.6 | 0 | 4.5 | 0 | 0.3 | 0.5 | 26.7 | 5.5 | 49.1 | － |
| $2000-05$ | 13 | 0.3 | 9.8 | 27. | 0.3 | 0.6 | 29.6 | 20.4 | － 0 | － 0 | 2.8 | 12.5 | 11.2 | 0.5 | －0 | 24.1 | 27.1 | 2.1 | 0 | 0 | － 9 | 0 | － 0 | 164.1 | 0 | 0.9 | 2.2 | 5.2 | 0 | 0 |  |
| 2000.06 | 0. | 0.2 | －0 | 5.7 | 3.6 | 18 | 2.8 | 0.2 | 0.3 | － 1 | 0 | －0 | 11.7 | 2.8 | 11.4 | 65.5 | 62.2 | 5.3 | 45 | 4.1 |  | 5.5 | 124.7 | 18.3 | 0.2 | 24.3 | － 6 | 22.9 |  |  | －- |
| 2000－07 | 0 | 0 | 4.2 | 20.3 | 48.2 | 5 | 0.4 | 7.8 | ， | － 0 |  | 0.9 | 0.5 | 0 | 35.6 | 8.7 |  | 68.5 | 8.7 | 4.4 | 0 |  | 1.2 | 14.6 | 36.8 | 9.2 | 1.1 |  |  | 5.2 | 0 |
| 2000－08 | 1.4 | 27.8 | 22.5 | 26.7 | －0 | 0 | 16.5 | 1.2 | 4.2 | 0.2 | 0.3 | 0.1 | 5.4 | 1.1 | 10.8 | 0.5 | 0 | － 0 | － 0 | 0 | 8.3 | 10.9 | 2.5 | 1.3 | 1.1 |  |  | 0 | 0． |  |  |
| 2000－09 | 17.5 | 0 | 0.2 | 10.9 | 5.4 | 9.4 | 21 | －0 | 0 | 0 | 0 | －0 | 116.4 | 15.4 | －0 | 0.5 | 15.4 | 37.2 | 0.2 |  | 13.7 | 8.9 | 24 |  | 0.7 | 5.7 | 14.6 | 10.4 | 0.1 | 0.9 |  |
| 2000－10 | 9.6 | 3.4 | 6.5 | 0.1 | － | 1.3 | 1.5 | 2.7 | 25.4 | 51.2 | 17.5 | 45.8 | 25.2 | 2.5 | 0.6 | － 0 | 21.8 | 32.4 |  | 8.8 | 22.5 | 2.1 | 35.8 | 37.6 | 6.5 | 0.4 | 5.3 | 1.2 | 0 |  | 0.5 |
| 2000－11 | 0.9 | 0 | 4 | 0 | 48 | 0 | － 0 | 0.3 |  | － 6 | 0.6 | 0.8 | 2.9 | 10.2 | 1.5 | 2.6 | 0.3 | 0.6 | 0 | 0.3 |  | 0 | 1.5 | －0 | 0 | 10.7 | 0.8 | 40.6 | 15 | 28.1 | －－ |
| 2000－12 | 5.3 | 6.5 | 0.6 | 23 | 3.3 | 19.8 | 17.7 | 31.2 | 7.5 | 15.2 | 14.3 | 61.3 | 0.8 | 2.9 | 20.4 | 12.8 | 0 | 5.8 | 2.9 | 11.9 | 101.3 | 3.1 | －0 |  | 0 | 0.4 | ， | 4.7 | 2.3 | 0.2 | 0 |
| 2001－01 | 0 | 2.4 | 4.4 | 4.3 | 0 | 20.4 | 30 | 3.9 | 15.3 | 0.3 | 0 | －0 | 93.3 | 18.3 | 20 | 27.6 | 34.6 | 7.5 | 0 | 0.1 | 13.6 | 20.9 | 3.6 | 23.2 | 0 | 0.4 | 0.7 | 1.5 | 4.2 | 3.8 | 0 |
| 2001－02 | 0 | 0 | 44.5 | 18.9 | 21.8 | 1.2 | － | 54.5 | 0.9 | 0.4 | 3.8 | 0.1 | 0 | 0.2 | 26.2 |  | 0.4 | 0.5 | 2.9 | 15.9 | 0.2 | 1.5 |  | 15.2 | 36. |  | 0.2 |  | － |  |  |
| $2001-03$ | 11.2 | 12.1 | 0.2 |  | 1.5 | 0.6 |  | 0.7 | 0.7 |  |  | 47.2 | 0.4 | 5.4 | 0.8 | 25.4 | 27.1 | 1.2 | 25.3 | 0 | 0.3 | 49.4 | 77.5 | 12.8 | 18.9 | 0 | 21.7 | －1．5 | 1.2 | 16 |  |
| 2001－04 | 4.4 | 0.1 | 0.5 | 8.5 | 16.3 | 2.1 | 49.9 | 37.4 | 0 | 33.5 | 8.6 | 8.1 | 0.3 | 46.4 | 4.3 | 29.2 | 16.8 | 0.3 | 54.8 | 11.9 | 1.6 |  | － 4 | 0.5 | 6.5 | 34.3 | 58.1 | 2.8 | 1.6 | 0 | －－ |
| 2001－05 | 0.6 | 8.4 | 6.9 | － | 0.4 | 33.5 | 6.7 | 21 |  | 0 | 0.9 | 0 | － 3 | 0.2 | 0.6 | 0.2 |  | 0 |  | 0 | 0 | 0. | 0 | 0 | 7.2 | 0 | 0.5 | － | 0.1 |  | 0.8 |
| 2001－06 | 10 | 5.3 | 21.6 | －7 | 3.7 | 1.6 | 0.7 | 0.4 | 0 | － 0 | 0 | 4.3 | 0 | 0 | 0 | 0 | 3.7 | 0.2 | 10.3 | 0.6 | 4.1 | 4.8 | 0.6 | 7.5 | 13.8 | 1.3 | 1.3 | 0.5 |  | 7.6 |  |
| 2001－07 | 30.9 | 2.4 | 0.9 | 0 | － 0 | 0 | － 0 | － 0 | 0. | 0 | 22.6 | 0.1 | － 0 | 0.2 | 2 0 | 0.9 | 1.1 | 2.1 | － 0 | 1.5 | 0 | 9.1 | 13.2 | 4.2 | 0.6 | 0.3 | 0.2 | － 0 | 1.4 | 4.1 |  |
| 2001－08 | 5.9 | 0.1 | － 0 | 33.1 | 15 | 0 | －0 | 0.2 | 2.4 | 1.5 | － 0 |  |  | 2.4 | 88.4 | 70.8 | 4.8 |  | － 0 | 0 | 0 | 0.1 | － 0 | － 0 | 0 | 4 |  | －0 | 0 |  | 0 |
| 2001－09 | － | 0 | － 0 | － 0 | － 0 |  | －0 | 0.9 | 11.3 | 24.9 | － 0 | 0.5 | 4.2 | 1.6 | － 0 | 0.2 |  | － 0 | －3 | 14.2 | 4.7 | 0.3 | 2.3 | 1.7 | 0.5 | 2.7 | 0.2 | 1.9 | 2.1 | 1.4 | －－ |
| 2001－10 | 8.7 | 52.7 | 36.4 | 5.9 | 0.8 | 64.7 | 0.1 | ， |  | － | 9.8 | 0 | 0 | 0.5 |  | 0 | 7.7 | 2.1 | 6.6 | 0 | 12 | 89.7 | 2.2 |  | 0 | 0 | 0 | 1.2 | 0 |  | 0.1 |
| 2001－11 | 0.1 | 0. | 0 | 0.2 | 36.2 | －7 | 62 | 0.8 | 2.5 | － 3 | 0.2 | 0.4 |  | 0 | － 0 | －0 | 9.5 | 98.3 | 50.2 | 0 | － 0 | 0.3 | － 0 | 9.5 | 37.1 | 0. | 0.1 | －0 | 0 | 0 | － |
| 2001－12 | 0.5 | 9.1 | 0.3 | 13.9 | 32.7 | 1.5 | 1.7 | 7.6 | 85.8 | 0.4 | 6.5 | －6 | 14.4 | 7.8 | 36.9 | 0 |  | 0 | 3.6 | 41.3 | 12.7 | 0.5 | 2.6 | 2.1 | 0.8 | 5.8 | 0.5 | － | － | 0.4 | 0 |
| 2002－01 | 0 | 0.1 | －0 | 1.6 | 39.4 | 28.5 | 18.3 | 122.8 | 190.3 | 2.5 | 8.1 | 10.3 | 14.5 | 36.8 | 9.2 | 10.8 |  | 0 | 0.4 | 6.5 | 12.6 | 10 | 3.5 | 5.3 | 0 | 15.6 | 2.4 | 0.3 | 0.1 | 3.5 | 3.4 |
| 2002－02 | 38.1 | 38.3 | －0 | － 0 | 0.9 | 9.2 | 15.4 | －0 | 3.7 | 2.9 | 42.7 | 0.6 | 0 | 0 | － 0 | 6.3 | 2.4 | 11.6 | 118.3 | 21.3 | 10.4 |  | 18.3 | 13.6 | 0.3 | 2.3 | 18.2 | 1.3 |  |  | － |
| 2002－03 | 6.6 | 0 | 3.9 | － 0 | 1.6 | 1.9 | 28.8 | 19.6 | 26.3 | 9.5 | 0.1 | 11. | 0.1 | 7.8 | －0 | －0 | 0 | 1.1 | 19.1 | 23.8 | 12.8 | 0 | － 0 | 2.8 | 10.6 | 15.5 | 21.4 | 21.6 | 175.8 | 12.7 | 0.6 |
| 2002 －04 | 1.8 | 0 | 5.7 | － | 5 | 3.2 | 11.4 | 0.7 | 1.1 | 38.5 | 98.4 | 2.1 | 5.8 | 44.2 | 10.6 | 0.3 | 14.2 | 0.2 |  | － 0 | 72.4 | 10.4 | 2.3 | 11.6 | 97.1 | 12 | 4.3 | 10.4 | 16.5 | － 5 | $\square$ |
| 2002－05 | 2.2 | 28.8 | 22.4 | 2.5 | 2.3 | 4.7 |  | 1.3 | 16.2 | 11 | 0.6 | － 0 | 1.4 | 23.7 | －2 | 9.4 |  | 0.4 | － 0 | 0.4 | 3.5 | 11 | － 0 | 0 | 0 | 1.4 | 0.3 | 1.8 | 6.6 | 35.6 | 2 |
| 2002－06 | 0.1 | 33 | 0 | 0 | 0 | 0.9 | 0.3 | － 0 |  | 0 |  | 0.6 | 2.1 | 0.3 | 0.8 | 3.1 | 0.3 | 0 | 0.1 | 3.5 | 0.2 | 0 | － 0 | 9.1 | 21.2 | 4.4 | 11.4 | －0 | 0.8 | ， | － |
| 2002－07 | 1.3 | 7.1 | 5.2 | 2.2 | 0.2 | 4.5 | 3.4 | 11.8 | 4.4 |  | 30.7 | 17.7 | － 0 | 0 | － 0 | 1.1 |  | 1.1 | 0.1 | 3.7 | 3.2 | 17.2 | 5.9 | －0 | 0.3 | 3.4 | 1.4 | － 0 | 0 | 0 | 0 |
| 2002－08 | 0. | 0.1 | 2.7 | －0 | －0 | 0.1 | 1.5 | 2.6 | 2.2 | $2 \overline{8} .7$ | 29.5 | 19.4 | 6.2 | 0.8 | － 0 | 12.5 | 0.7 | 0.9 | 7.5 | 14.2 | 5.7 | 0 | 0.5 | －0 | 1.9 | 0 | － 0 | 0. | 0 | 27. | 37.5 |
| 2002－09 | 9.5 | 11.4 | 1.4 | － | － 0 | 0.2 | 0.1 | 0 | 0 |  | 0 | 9.5 | 97.2 | 6.8 | 0.7 | 66.7 | 25.6 |  | 0 | 0.1 | 0.5 | 1.3 | 12.5 | 41.8 | 38.4 | 0 |  | 0 | 0 | 0 | $\square$ |
| 2002－10 |  |  | 0.5 | 0.9 | 1.1 | 7.7 | 13.1 | 8.8 |  | 1.2 | 3.2 | 1.4 | 0.2 |  | 6.9 | 0.2 | 0.2 | 37.8 | 3.4 | －． 0 | 0 | 0.4 | 1.7 | － | － | 0 | － 0 | 0 | 47.8 | 0.2 | 1.2 |
| 2002－11 | 0.1 | 61.2 | 8， | 4.2 | 5．1］ | 7.6 | 51．8 | －2．11 | 47.8 | 9．6） | 1．81 | －0］ | 73.3 | ［23．2 | －1．3 | $\underline{0.1}$ | 1.2 | －0．61 | 77．3 | － 22 | 0 | ， | 1.4 | 0.2 | －1 | 0 | 0.9 | 0.2 | ， | 0 | － |

Appendix 4 Weather observation data at 6 sites in Viti Levu South area (32)


Appendix 4 Weather observation data at 6 sites in Viti Levu South area（33）

## Suva－Wind Direction

|  | 1 日 ${ }^{\text {a }}$ | 2日 | 3日 | 4 4 －5 | 5日 | 16日 | 17日 | 8日 | 9日 | 10日 | 111 | 12日 | 13 B | 14日 | 15 旦 | 16日 | 17日 | 18日 | 19日 | 20.1 | 21 旦 | 22日 | 23昌 | 24日 | 25日 | 269 | 27 旦 | 28日 | 29日 | 30日 | 31 旦 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01 | －0 | 230 | 0 |  |  |  | 0 | 100 | ， | 220 | － 0 | 140 | 140 | 0 | － 0 | 0 | 40 | 40 | 40 | 50 | 360 | 60 | 0 |  | 0 | 0 |  | 30 |  |  |  |
| 1999－02 | 0 | 0 | － 0 | 120 | 150 | － | 110 | －0 | 0 | 0 | － 0 | － 0 | 0 | 0 | 310 | 260 | 0 | 0 | 220 | 0 | 110 | 0 | 110 | － 0 | 150 | 150 | －130 | －0 | － |  |  |
| 1999－03 | 80 | 90 | － 0 | ， | 0 | － 0 | 110 | －0 | 0 | 90 | 0 | － | 130 | 0 | － 0 |  | 0 | 0 | 0 | 140 | 140 | 160 | 0 | 100 | 50 | 0 | 70 | －0 | 130 | 130 | － 0 |
| 1999－04 | 100 | 0 | 100 | － 0 | 0 | 80 | 50 | － 0 | 0 | 0 | $\bigcirc$ | 0 | 0 | 0 | 100 | 90 | 0 | 230 | － 0 | 160 | 20 | 0 | － 0 | 0 | － 0 | 0 | 290 | 220 | 120 | 0 | 二 |
| 1999－05 | 0 | 0 | 0 | 0 | 170 | 0 | 170 | 200 | 170 | 140 | 120 | 120 | 140 | 120 | 160 | 170 | － 0 | 120 | － 0 | 170 | 130. | 100 | 160 | 140 | 130 | 140 | 130 | 130 | 170 | 0 | － |
| 1999－06 | － | 80 | － 0 | 0 | － 0 | 0 | 180 | 170 | 150 | 130 | 150 |  | 0 | － 0 | 60 |  |  | 0 | 170 |  | 120 | 0 | －0 |  | 0 | 50 | 0. | 60 | 150 | 110 | － |
| 1999－07 | 140 | 130 | － 0 | － 0 | 130 | － 0 | 120 | － 0 | 0 | 0. | 120 | 160 | 100 | 50 | － 0 | －0 | 0 | 0 | － 0 | 130 | 110 | 0 | － | 0 | 140 | 0 | 40 | － | 0 | － 0 |  |
| 1999－08 | － | 110 | － 60 | －0 | 170 | 180 | 150 | － 0 | 150 | 160 | 140. | －0 | 0 | 150 | 120 | － 0 | 0 | 0 | － 0 | 140 | 0 | 0 | 150 | 150 | 100 | 90 | 110 | 120 | 100 | 110 | 130 |
| 1999－09 | 0 | 60 | － 120 | 120 | － | 330 | 0 | － 0 | 0 | 220 | 120 | 100 | 110 | 70 | 90 | －0 | 150 | 140 | 130 | 100 | 0 | 110 | 120 | 120 | － 0 | 120 | 140 | 120 | 140 | 140 | － |
| 1999． 10 | 120 | 120 | － 30 | 90. | 90 | 100 | 0 | 90 | 130 | 160 | － 0 | 270 | 220 | 190 | $\bigcirc$ | 0 | － 0 | 90 | 30 | 170 | 0 | 110 | 120 | 120 | 130 | 140 | 130 | 100 | 110 | 120 | 80 |
| 1999－11 | 80 | 0 | 0 | 0 | － 0 | 0 | 110 | 70 | 240 | － 0 | o） | 0 | 0 | ． 0 | － 0 | 20 | 0 | 20 | 0 | － 0 | 120. | 0 | － 0 | 100 | 0 | 90 | － 0 | 0 | － 0 | 100 |  |
| 1999－12 | 0 | 120 | 0 | 80 | 80 | 80 | 0 | － 0 | － | 0 | 60 | 30 | 0 | 0 | 0 | 0 | 70 | 80 | 40 | 0 | 0 | 0 | 90 | 240 | 0 | 0 | 0 | 270 | － 0 | 90 | － 0 |
| 2000－01 | 0 | 0 | 0 | 320 | 0 | － 0 | 120 | 20 | 0 | 110 | 300 | － 0 | 100 | 0 | 100 | 100 | 100. | 100 | 140 | 130 | 130 | 0 | 110 | 80 | 50 | 350 | 360 | －0 | 100 | 200 | 160 |
| 2000－02 | 100 | 20. | 100 | 170 | 80 | 120 | 80 | 120 | 80 | 0 | 0 | 60 | 80 | 0 | 20 | 40 | 70 | 130 | 60 | 60 | 10 | － 0 | 0 | 140 | 0 | 100 | 130 | 140 | 90 | － | － |
| $2000-03$ | 100 | 130 | 0 | 130 | 30 | 0 | － 0 | 0 | 280 | 270 | 30 | －0 | 360 | 20 | 0 | 40 | 280 | 20. | － 0 | － 0 | 40. | 130 | 30. | 0 | 210 | 20 | 40 | 0 | 280 | 280 | $\bigcirc$ |
| 2000－04 | 120 | 0 | 240 | 0 | 200 | 270 | 280 | 330 | 200 | 160 | 170 | 160 | 60 | 170 | 0 | 40 | 0 | 260 | 180 | 30 | 30 | 30 | －0 | 60 | 0 | 0 | 160 | 140. | 50 | 30 |  |
| 2000－05 | 20 | 0 | 10. |  | 50 | 120 | － 0 | －0 | 120 | 0 | 0 | 70 | 60 | 0 | 0 | － 0 | 40 | 50 | 100 |  | 60 | 80 | 0 |  | 0 | 260 | 180 | 120 | 80 | 0 |  |
| 2000－06 | 0 | 70 | 0 | 20 | 0 | 150 | 120 | － 0 | 170 | 120 | 100 | 0 | 360 | 180 | 180 | 120 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 90 | 100 | 0 | 220 | 230 |  |
| $2000-07$ | 0 | 0 | 0 | 0 | － 0 | 0 | － 0 | － 0 | － 0 | 120 | 110 | 120 | 110 | 80 | 50. | －0 | － 0 | 0 | 150 | －0 | 160 | 0 | 40 | 50 | 120 | 120 | 130 | 130 | 0 | 0 |  |
| 2000－08 | 120 | 110 | 130 | 110 | 190 | －0 | － 0 | 100 | 80 |  |  |  | 180 | 120 | 120 | 0 | 120 | 320 | 90 | －0 | 0 | 0 | 270 | 150 | 110 | 110 | 0 | － 0 | 110 |  | － 0 |
| 2000－09 | 0 | 180 | 90 | 290 | 0 | 110 | 130 | 140 | 80 | 100 | 80 | 160 | 110. | 170 | 160 | 160 | 100 | 260 | 140 | 180 | 170 | 170 | 320 | 140 | 70 | 140 | 100 | 130 | 130 | 110 | $-$ |
| 2000－10 | 140 | 110 | 120 | 110 | 140 | 140 | 140 | 140 | 130 | 140 | 120 | 60 | 150 | 100 | 150 | 120 | 130 | 140 | 80 | 330 | 220 | 300. | 140 | 200 | 10 | 140 | 130 | 10 | 130 | 130 | 120 |
| 2000－11 | 100 | 70 | 80 | 110 | 90 | 130 | 110 | 90 | 40 | 230 | 200 | 170 | 150 | 120 | 140 | 150 | 150 | 120 | 140 | 150 | 120 | 70 | 110 | 70 | 50 | 120 | 130 |  | 330 | 100 |  |
| 2000－12 | 80 | 30. | 110 | 80 | 30 | 30 | 0 | 160 | 100 | O | 50 | 90. | 230 | 220 | 180 | 190 | 220 | 80 | 160 | 120 | 50 | 270 | 150 | 120 | 150. | 12. | 130 | 130 | 120 | 120 | 150 |
| $2001-01$ | 200 | 120 | 120 | 350 | 60 | 20 | 130 | 200 | 170 | 60 | 120 | 160 | 110 | 30 | 130 | 80 | 360 | 280 | 0 | 100 | 60 | 250 | 80 | 80 | 100 | 240 | 250 | 160 | 40 | 50 | 130 |
| 2001－02 | 100 | 170 | 130 | 300 | 320 | 160 | 70 | 70. | 10. | 50 | 150 | 80 | 100 | 100 | 60 | 270 | 60 | 90 | 70. | 30 | 220 | 250 | 230 | 0. | 0 | 340 | 0 | 270 | － | － | － |
| 2001－03 | 90 | 330 | 230 | 300 | 100 | 40 | 90 | 110 | 120 | 120 | 120 | 40. | 70 | 70 | 30. | 110. |  | 120 | 300 | 150 | 100 | 90 | 110 | 30 | 0 | 350 | 10 | 280 | 40 | 40. | 110 |
| 2001－04 | 120 | 90 | 90 | 70 | 90 | 140 | 160 |  | 60 | 70 |  | 150 | 120 | 80 |  | 130 | 60 | 40 |  | 100 | 240 | 150 | 140 | 100 | 120 | 130 | 70 | 90 | 70 | 90 | $=$ |
| $2001-05$ | 60 | 90 | 90 | 80 | 160 | 70 | 330. | 350 | 60 | ， | 90 | 90 | 120 | 0. | 150 | 160 | 180 | 100 | 150 | 130 | 90 | 90 | 310. | － 0 | 0 | 0 | 90 | 400 | 90. | 70 | 10 |
| 2001－06 | 270 | 160 | 150 | 140 | 150 | 150 | 150 | 150 | 140 | 130 | 70 | 30 | 300 | 290 | 340 | 260 | 100 | 320 | 100 |  | 140 | 130 | 80 | 190 | 160 | 130 | 140 | 150 | 150 | 140 | －－ |
| $2001-07$ | 220 | 140 | 60 | 290 | 50 | 260 | 160 | 270 | 160 | 30 | 60 | 240 | 160 | 140 | 110 |  | 70. | 330 | 300 | 0 | 300 | 0 | 120 | 150 | 160 | 150 | 130 | 150 | 110 | 70 | 90 |
| $2001-08$ | 40 | 70 | 70 | 130 | 150 | 100 | 140 | 130 | 140 | 290 | 180 | 160 | 140 | 120 | 140 | 70 | 40 | 210 | 70 | 70 | 130 | 120 | 130 | 90 | 70 | 30. | 100 | 60 | 50 | 30 | 10 |
| 2001－09 | 250 | 180 | 160 | 140 | 120 | 80 | 80 | 110 | 130 | 150 | 140 | 140 | 130 | 120 | 130 | 130 | 90 | 80 | 140 | 100 | 100 | 100 | 20 | 260 | 140 | 120 | 130 | 130 | 120 | 100 | $=$ |
| 2001－10 | 120 | 100 | 280 | 70. | 100 | 70 | 30 | 130 | 90 | 70 | 50 | 180 | 130 | 140 | 120 | 130 | 0 | 140 | 90 | 100 | 80 | 80 | － 0 | 280 | 250 | 0 | 140 | 130 | 100 | 110 | 100 |
| 2001－11 | 290 | 100. | 90 | 80 | 70 | 90 | 110 | 100 | 120 | 120 | 100 | 130 | 140 | 130 | 120 | 160 | 150 | 0 | ， | 140 | 130 | 90 | 90 | 90 | 0 | 180 | 190 | 270 | 90 | 120 | $=$ |
| 2001－12 | － | 100 | 100 | 120 | 120 | 120 | 90 | 90 | 0 | 220 | 130 | 120 | 80. | 40 | 30 | 280 | 270 | 0 | 120 | 180 | 0 | 80 | － 0 | 140 | 150 | 150 | 150 | 150. | 140 | 210 | 190 |
| 2002－01 | 210 | 100 | 100 | 80 | 110 | 30 | 130 | 0 | －0 | 180 | 30. | 0 |  | 0. | － 0 | ， | 30 | － 0 | 200. | 140 | 0 | 80 | 70 | 70 | 0 | 50 | 70 | 50 | 50 | 0 | 340 |
| 2002－02 | 0 | 0 | － 0 | 170 |  |  | － 0 | 70 | 100 | 110 | 120 | 140 |  | 90 | 70 | － 0 | 0 | － 0 | 200 |  | 0 | ， | － 0 | 0 | － 0 | 0 | － 0 | 0 | － | － | － |
| 2002－03 | 0 | 0 | 0 | 350 | 350 |  |  | －0 | 0 | 0 | － 0 | 330 | 0 | 270 | 260 | 0 | 240 | 220 | 150 | 150 | 120 | 120 | 250 | 0 | － 0 | 0 | 0 | 240 | 0 | 0 |  |
| 2002－04 | 70 | 70 | － 0 | 0 | 0 | 290 | 60 | － 0 | 0 | 0 | － 0 | ， | 0 | 0 | 90 | 90 | 120 | 100 | 90 | 90 | 0 | 90 | 0 | 0 | 0 | 0 | － 0 | 40 | － | 0 | $=$ |
| 2002－05 | ， | － 0 | 0 | 90. | 50 |  | 100 | 140 | 0 | 0 | － |  | 0 | 0 | 170 | 150 | － 0 | 0 | 220 | 120 | 100 | 30 | 70 | 0 | 0 | 130 | 110 | 100 | 130 | 130 |  |
| 2002－06 | ， | － 0 | ． | 150 | 160 | 130 | 140 | 130 | 120 |  | 0 | 120 |  | 90 | 100 | 140 | 120 | 80 | 70 |  | 0 | 0 |  | ， | 130 | 0 | 110 | 0 | 0 | 0 | － |
| 2002－07 | 280 | 160 | 160 | 130 | 50 | 0 | － 0 | 0 | 130 | 160 |  |  | 230 | 0 | － | 0 | 0 | 70 | 80 | 100 | 70 | 100 | 40 | 40 | 70 | 60 | 260 | 0 | 300 | 160 | 100 |
| 2002.08 | 110 | 130 | 120 | 120 | 120 |  |  | 200 | －0 | 160 | 150 | 150 | 140 | 70. | －0 | 110 | 230 | －0 | 120 | 160 | 140 | 130 | 120 | 120 | 100 | 60 | 30 | 20 | 230 | 150 | 130 |
| 2002－09 | 170 | 130 | 12. | 130 | 120 | 130 | 110 | 80 | － | 70 | 0 | ， | 160 | 120 | 110 | 110 | 110 | － | $\bigcirc$ | 290. | ， | 140 | 150 | 130 | 100 | 140 | 130 | 110 | 110 | 110 |  |
| 2002－10 | 90 |  |  | 130 | 140 | 140 | 0 | － 130 | 150 | 140 | 160 | 130 | 130 | 170 | 130 | 120 | 100 | 120 | － 0 | 140 | 110 | 90 | 10 | 280 | 250 | 190 | 130 | 120 | 120 | 250 | 160 |
| 2002－11 | 160 | 120 | 120 | 180 | 140 | 110 | 120 | －0． | 100 | 0 | 130 | 130 | 0 | 130 | 130 | 130 | 0 | 110 | 120 | 120 | 140 | 140 | 130 | 150 | 120 | 170 | 0 | 160 | 150 | 110 | $\bigcirc$ |

Appendix 4 Weather observation data at 6 sites in Viti Levu South area (34)

## Suva - Wind Force



## Appendix 4 Weather observation data at 6 sites in Viti Levu South area（35）

## Tokotoko－Nav ory Bub Temperature

|  | 118 | 2日 | 3 日 | 4日 | 5日 | 6日 | 7 旦 | 8日 | 9 B | 10日 | 118 | 12日 | 13 星 | 14 日 | 15 日 | 16日 | 17日 | 18 日 | 19日 | $20 日$ | 21日 | 22日 | 23日 | 24. | 25 日 | 26日 | 27日 | 28日 | 29日 | 30 B | 31 旦 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01 | 25.1 | 26.1 | 24.6 | 24.1 | 27 | 28 | 28 | 29 | 28.7 | 28.7 | 27.5 | 25.5 | 27.5 | 29. | 28.6 | 28.8 | 28.2 | 26.5 | 24.5 | 25.5 | 27.2 | 27 | 24.3 | 23.6 | 24.5 | 23 | 25. | 27 | 27.5 | 28.5 | 28. |
| 1999－02 | 25 | 25.5 | 28.5 | 27 | 26.5 | 25.5 | 26.7 | 23.5 | 24. | 22.5 | 24.7 | 24.5 | 25.1 | 25.6 | 24 | 24 | 25.5 | 24 | 27.5 | 25.6 | 27.2 | 27 | 26 | 28.5 | 27.6 | 27 | 26.1 | 25.8 |  | － | － |
| 1999－03 | 28. | － 27 | 27 | 28 | － 28 | 29.3 | 28.5 | 28 | 28 | 28 | 28 | 28.7 | 29 | 29.7 | 28.5 | － 29 | 27.5 | 28.5 | 28.5 | 29.8 | 28.6 | 26.5 | 27 | 28.5 | 28 | 27.5 | 28 | 27.3 | 28. | 28 | 27 |
| $1999-0$ | 28. | 27.5 | 28.4 | 23.6 | － 27.5 | 28.5 | 25.6 | 26 | 28 | 28.2 | 25.4 | 28 | 28.7 | 28.5 | 29.5 | 29 | 26. | 26.1 | 27 | 24 | 27 | 26. | 28 | 28.1 | 27 | 26.5 | 27 | 27 | 27 | 28. |  |
| 1999－05 | 25.6 | 27.7 | 27.3 | 26 | 27.5 | 27.5 | 24 | 5.5 | 24.5 | 25.5 | 5.5 | 27 | 25 | 27 | 25 | 6.2 | 26.5 | 25 | 22 | 26 | 24 | 24 | 23. | 24.5 | 25. | 25. | 25.5 | 25 | 24.5 | － 23 | 23.7 |
| 1999－06 | 25.5 | 26 | 22 | 25.5 | 26.8 | 24.1 | 23 | 22.5 | 23 | 21 | 23.5 | 24.1 | 25.5 | 24.5 | 26 | 27.5 | 27.5 | 26.5 | 23.2 | 22.4 | 23 | 23.5 | 22. | 22 | 23 | 25.7 | 25.2 | 26 | 24 | 25 | －－ |
| 1999－07 | 21 | 23.5 | 25.2 | 26 | 23 | 23 | 24.5 | 3.5 | 25. | 23 | 23.3 | 24 | 22.5 | 23.5 | 24.5 | 22.8 | 26.6 | 26.1 | 25 | 26 | 24 | 27 | 26.5 | 24.8 | 23.9 | 25.1 | 27 | 23 | 26 | 23 | 20. |
| 1999．08 | 21.4 | 22.5 | 24.5 | 27 | 24 | 22.5 | 21.9 | 21 | 22 | 23.5 | 22.5 | 21 | 23.5 | 22.5 | 24 | 22.5 | 23.5 | 23.5 | 24.3 | 23 | 22.5 | 23 | 21 | 23.5 | 24 | 25.5 | 23.5 | 24 | 25.5 | 26 | 22 |
| 1999－09 | 23. | 23.5 | 22.5 | 26. | 24.5 | 25.5 | 25 | 25 | 25 | 26 | 24.1 | 25.7 | 26 | 28.5 | 26.5 | 26.5 | 25 | 25.3 | 25.3 | 24.8 | 24.1 | 25.5 | 24 | 25 | 23 | 22. | 25.5 | 24.5 | 24 | 23. |  |
| 1999－10 | 25. | 24 | 25. | － 26 | 27.5 | 27 | 28 | 27.5 | 27.5 | 2.6 | 25.6 | 25 | 25.5 | 25.5 | 24.5 | 24.5 | 25.2 | 24 | 26.5 | 2 | 24 | 26.5 | 27.6 | 26 | 26 | 23. | 26. | 26 | 25.5 | 22. | 23. |
| 1999－11 | 25.5 | 27 | 27.5 | － 27 | 26.5 | 27 | 26.2 | 26.8 | 23 | 5.2 | 26 | 26.5 | 25.5 | － 27 | 24.5 | 25 | 25 | 28 | 27 | 28 | 28.5 | 25 | 25. | 23.5 | 24.5 | 26.5 | 25. | 24.4 | 26.5 | 24.5 |  |
| 1999－12 | 24 | 24.5 | 26 | 26 | 26 | 27.5 | 27 | 27 | 24 | 23.5 | 27. | 26 | 26 | 28 | 25.5 | 28.5 | 26 | 28.5 | 29 | 27.7 | 29 | 28.5 | 29.5 | 27.5 | 27. | 25.6 | 25.9 | 22 | 26 | 26.5 | 28.2 |
| 2000－01 | 28.1 | 28.8 | 26 | 28.5 | 27.5 | 27.5 | 29 | 28.6 | 26.8 | 26.5 | 25.7 | 26 | 28 | － 29 | 25.9 | 29 | 30 | 30 | 29 | 28.5 | 27 | 29.9 | 26.5 | 28 | 28.5 | 29.5 | 29. | 29 | 27 | 27.5 | 28.5 |
| 2000－02 | 26 | 29. | 28 | 26 | 26.4 | 28 | 25.9 | 26 | 25.5 | 25.5 | 25 | 27.8 | 26.5 | 29 | 27 | 26.5 | 28.5 | 25 | 28 | 29 | 26.1 | 24.6 | 28 | 26 | 27 | 27 | 29.5 | 28.5 | 29.5 | － |  |
| 2000－03 | 29 | 28.2 | 28. | 28 | 29 | 27.6 | 29 | 30 | 27 | 26.5 | 27.5 | 27 | 27.5 | 28 | 30 | 27.5 | 27. | 27 | 25.5 | 28 | 29.5 | 29 | 28 | 26.5 | 29 | 27. | 29 | 26. | 26.5 | 27 | 26. |
| 2000－04 | 28.3 | 26 | 6.5 | 27 | 24 | 25 | 26 | 29.8 | 27.8 | 27 | 26.3 | 27 | 27 | 26.5 | 27.2 | 26 | 26 | 26.8 | 26 | 28.3 | 29.2 | 24.5 | 29.5 | 28 | 28.5 | 25. | 25.5 | 26 | 24 | 25. | － |
| 2000－05 | 24.5 | 24.2 | 25.5 | 24.5 | 24.5 | 27.5 | 26.8 | 25 | 27.5 | 26 | 27.5 | 28 | 27.5 | 26.5 | 26.5 | 27 | 24.5 | 24.5 | 27.5 | 27.5 | 28 | － 27 | 26 | 23.8 | 24.5 | 25 | 26 | 24 | 24. | 25 | 24. |
| 2000－06 | 21.8 | 25.5 | 27.2 | 23.5 | 24.7 | 24.5 | 24.8 | 23.8 | 24.8 | 25 | 24.5 | 26.5 | 26.5 | 23 | 22. | 22.5 | 24. | 25. | 26.5 | 25.5 | 26 | － 27 | 24.8 | 24. | 25 | 26.4 | $\underline{24}$ | 26.3 | 24.6 | 23.5 |  |
| 2000－07 | 20.7 | 24. | 26 | 22 | 23 | 24 | 23 | 25.8 | 25 | 24 | 24.8 | 23.8 | 23.5 | 25 | 26.8 | 23.5 | 24 | 25 | 21.5 | 26 | 26 | 26 | 25.5 | 24.5 | 22.5 | 23.5 | 23.5 | 24.5 | 24 | 25 | 25.5 |
| 2000－08 | 22.5 | 21.5 | 23 | 23 | 23.2 | 22.5 | 23 | 23 | 22 | 23.6 | 24.5 | 24 | 20.5 | 20.5 | 24.2 | 22 | 23.5 | 26 | 24.5 | 23 | 25.5 | 23 | 25.4 | 25 | 26 | 24. | 26 | 27 | 26 | 25 | 24.8 |
| 2000 | 26. | 25 | 25 | 23 | 24 | 24.5 | 25.5 | 26 | 26 | 26.8 | 26 | 26.5 | 26.9 | 2.5 | 25 | 4.8 | 25.5 | 24.1 | 23.7 | 0.5 | 24 | － 22 | 22 | 21.2 | 24.5 | 24. | 21.5 | 23. | 24 | 22. |  |
| 2000－10 | 24.5 | 24 | 26.5 | － 27 | 26.5 | 26 | －24．7 | 24.5 | 24.5 | 23.5 | 4.5 | 25.5 | 22.5 | 5.7 | 26 | 26.2 | 26 | 25.5 | 27 | 25.5 | 25.5 | 25 | 25 | 19.5 | 24 | 25 | 26. | 24 | 27.6 | 27.5 | － 27 |
| 2000－11 | 26 | 26.5 | 28.2 | 32 | 31 | 22.5 | 27.5 | 28 | 28 | 31.5 | 24.5 | 26 | 23.6 | 24.6 | 23 | 25 | 23.5 | 23.5 | 24.5 | 24.8 | 26.5 | 25 | 28 | 24.2 | 28.5 | 29.5 | 28.5 | 27.5 | 28 | 27.5 |  |
| 2000－12 | 27.4 | 28.2 | 28.5 | 28.5 | 27.5 | 25 | 24.5 | 26 | 28.5 | 25 | 24.5 | 24.5 | 27 | 28 | 23.5 | 27 | 27 | 28. | 30 | 29 | 27.5 | 26.5 | 28 | 28.5 | 28 | 29 | －28 | 29 | 24.5 | 28 | 27.5 |
| 2001－01 | 28.2 | 28 | 28 | 29 | 30 | － 31 | 29.5 | 30 | 30 | 30.7 | 30 | 29 | 33 | 27.5 | 27 | 28 | 28.5 | 28.5 | 28 | 28 | 28.5 | 28.5 | 25.5 | ， | 28.5 | 29 | 28 | 29 | 30 | 28 | 29. |
| 2001－02 | 29 | 29 | 30.5 | 31 | 28. | 29 | 30 | 28.5 | 30 | 28 | 29.5 | 29.5 | 28 | 29 | 28.3 | 31 | 31 | 31.1 | 27 | 29.5 | 30 | 5.5 | 28 |  |  | 29 | 28 |  |  |  |  |
| 2001－0 | 28 | 7.5 | 26 | － 28 | 28.5 | 28 | 8.5 | 28 | 28 | 26.5 | 29 | ， | 28 | 27.5 | 30 | 26.5 | 34 | 31.5 | 27.8 | 27.5 | 27 | 24. | 24 | 27 | 27 | 25.5 | 27.5 | 27 | 26.5 | 25.5 | 28 |
| 2001 －04 | 23 | 27.5 | 28.5 | 29 | 27 | 29. | 26.7 | 27 | 28.5 | 29 | 26 | 29 | 27.5 | 28 | 26.5 | 25.6 | 29 | 25.5 | 26 | 28.5 | 29.2 | 26.2 | 26 | 25 | 24.3 | 26.8 | 25 | 28 | 28 | 28 | － |
| 2004－05 | 28.2 | 26 | 27.5 | 27.5 | 29 | 28.5 | 24 | 25.5 | 28.3 | 28. | 25. | 27.8 | 26 | 23.8 | 25.8 | 25.4 | 25.3 | 24.5 | 26 | 25.5 | 26 | 26.5 | 25.2 | 27 | 26.2 | 26.5 | 2. | 25 | 26 | 27.5 | 27. |
| 2001－06 | 23.5 | 25 | 23 | 22 | 25 | 24.5 | 24 | 22 | 23.5 | 24.5 | 25 | 22.3 | 24 | 25.5 | 23.5 | 23 | 24.5 | 22.2 | 23 | 21.3 | 24 | 23.8 | 26.1 | 24.3 | 23 | 23.7 | 24 | 22.5 | 23.5 | 23.6 |  |
| 2001－07 | 22 | 22.5 | 24.5 | 25.5 | 26.3 | 27.5 | 24 | 24 | 24.5 | 25 | 25.5 | 22.5 | 24 | 23 | 23 | 22.9 | 24.5 | 24.5 | 23.5 | 2 | ， | 22.2 | 21.5 | 22.5 | 21 | 23 | 23 | 22.5 | 24 | 23 | 25 |
| 2001－08 | 22 | 23 | 24.5 | 22 | 21.5 | 26 | 25.3 | 26.5 | 25.8 | 23.5 | 23.5 | 24 | 23 | 23.5 | 23.6 | 21.5 | 20.9 | 2 | 19.8 | 22 | 24 | 23.5 | 23 | 25.5 | 25 | 25.2 | 25 | 26 | 26 | 25.5 | 27.8 |
| $2001-09$ | 24.7 | 25 | 23.5 | 24.5 | 25 | 25 | 23.5 | 24 | 25.7 | 25.3 | 25 | 23 | 23 | 24.5 | 24 | 25 | 26 | 25 | 25.8 | 24.5 | 25 | 24.2 | 24.5 | 25.5 | 23.5 | 23 | 25 | 25.5 | 25 | 24 |  |
| 2007－10 | 24 | 21.5 | 20.5 | 27 | 27.5 | 28.5 | 28 | 25.6 | 26.5 | 27.4 | 25.4 | 26 | 25 | 24.1 | 26 | 24 | 25.3 | 25 | 27 | 27.5 | 27.5 | 24 | 27 | 22.8 | 26 | 24 | 24.5 | 26 | 29 | 27.6 | 27 |
| 2001－11 | 26.5 | 29 | 28.5 | 28.5 | 28 | 27.3 | 28 | 24.8 | 27.5 | 28 | 27.3 | 27.8 | 27 | 27.5 | 27.5 | 27 | 27 | 27.8 | 24.5 | 27.8 | 27.5 | 27.5 | 28 | 28.5 | 27 | 25.8 | 26.5 | 26.2 | 27.5 | 27.8 | － |
| 2001－12 | 28.5 | 30 | 27 | 27.3 | 26.5 | 27.5 | 27.5 | 27.5 | 24.5 | 28 | 28 | 28 | 28 | 27 | 29.5 | 28.8 | 28 | 28 | 28 | 27 | 24 | 27.5 | 27.5 | 29 | 29.5 | 28.5 | 28 | 28. | 29.5 | 29.5 | 29 |
| 2002－01 | 29.5 | 29.5 | 29 | 29.3 | 29.7 | 30 | 30 | 29.3 | 27 | 26.2 | 28 | 25.6 | 25.5 | 25.8 | 28.6 | 28.2 | 30 | 31 | 29.5 | 29.5 | 28 | 28 | 29 | 30 | 30 | 29. | 3 | 30.3 | 30.5 | 26 | 28.5 |
| 2002－02 | 28.8 | 29 | 29.4 | 2 | 29.5 | 30. | 28.5 | 27.5 | 29.5 | 30 | 29.5 | 29.3 | 29 | 30 | 30.5 | 30.6 | 30.5 | 30.5 | 27 | 26.5 | 25.5 | 26 | 25 | 25 | 26.8 | 29.5 | 29 | 28 |  |  |  |
| 2002－03 | 27.5 | 28.5 | 28 | 29 | 26.5 | 28.8 | 28.8 ． | 27.6 | 29.5 | 29.5 | 27.5 | 29 | 28.5 | 27.8 | 28.5 | 30 | 28 | 28.5 | 25 | 25.7 | 26.5 | 27.5 | 27.5 | 28 | 27.8 | 27.3 | 27.5 | 26 | 27 | 28.5 | 28 |
| 2002－04 | 29. | 28.5 | 29 | 29.5 | 28 | 27.5 | 30 | 28 | 26 | 28.5 | 28 | 25.3 | 28.5 | 26.5 | 27.3 | 28.6 | 27.5 | 26.5 | 27 | 25.5 | 28.5 | 24.5 | 27.5 | 28.5 | 26.5 | 27.5 | 28.5 | 27.7 | 25 | 26 |  |
| 2002－05 | 26.8 | 24 | 25 | 26 | 25.5 | 24.8 | 28.3 | 26.5 | 25 | 26.5 | 27.5 | 28 | 28 | 27.3 | 24.8 | 24.5 | 26.5 | 27.5 | 25.2 | 25.5 | 23.5 | 23.5 | 27 | 24 | 21.5 | 25.2 | 26 | 27 | 24.5 | 25.5 | 27.8 |
| 2002－06 | 26 | 27.5 | 25.7 | 24.5 | 24 | 24.5 | 25 | 24.9 | 25 | 21.5 | 26.5 | 24 | 25 | 25.5 | 26 | 25 | 26.2 | 26.5 | 25 | 25.8 | 25.2 | 27 | 23.5 | 23.5 | 23 | 23.5 | 26 | 23.3 | 26 | 26 |  |
| 2002－07 | 23 | 23 | 22 | 22.5 | 25.8 | 24.5 | 26.5 | 26 | 23 | 22.5 | 24.5 | 23.5 | 22.8 | 22.5 | 22.5 | 21.5 | 23.8 | 24. | 22.6 | 26 | 24.5 | 23.8 | 25.5 | 23.5 | 25 | 25.5 | － 25 | 22 | 2.5 | 22 | 23.5 |
| 2002－08 | 23.5 | 24.5 | 25.5 | 25 | 25 | 24 | 25 | 23 | 22.5 | 21 | 20 | 2 | 22 | 23.8 | 25.8 | 25 | 21 | 22.8 | 19.4 | 20.5 | 22 | 21.5 | 23.5 | 23.9 | 21.7 | 25.5 | 22.5 | 27.5 | 22 | 23 | 21.7 |
| 2002－09 | 20.5 | 24 | 22.8 | 25 | 24.3 | 24.5 | 24 | 26 | 25 | 26 | 25.5 | 26 | 23 | 21.5 | 23 | 21.5 | 20 | 22 | 25 | 23.5 | 24.5 | 25.5 | 24.5 | 26. | 24.5 | 24.5 | 24.5 | 24.9 | 24.2 | 25 |  |
| 2002－10 | 26.5 | 26 | 25.5 | 25 | 24.5 | 24.5 | 23.5 | 21.5 | 23 | 23 |  | 21.7 | 24.5 | 25.3 | 25.5 | 24 | 25.3 | 26 | 24.5 | 26 | 26 | 26 | 28. | 26.5 | 26.5 | 26 | 26.8 | 26 | 27.5 | 29 | 26.6 |

Appendix 4 Weather observation data at 6 sites in Viti Levu South area（36）
Tokotoko－NavuiMaximum Temperatures

|  | 1 18 | 2 旦 | 3日 | 4B | 5旦 | 6日 | 7 7 | 8日 | 19日 | 10 旦 | 11日 | 12日 | 13 星 | 14 B | 15日 | 16 日 | 17日 | 8 8 | 19日 | $20 日$ | 21日 | 2 日 | 23 B | 24. | 25日 | 26日 | 271 | 28日 | 29 | 30 | 11白 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01 | 30. | 30.3 | 28 | 29.5 | 31 | 31 | 31 | 31.1 | 31.4 | 31.5 | 31.5 | 29.5 | 30.5 | 30.6 | 30.8 | 31.2 | 31.2 | 31.5 | 25.6 | 30.2 | 30.5 | 30.8 | 29.6 | 28.5 | 29.7 | 26 | 29.5 | 29.5 | 32.6 | 29.4 | － 31. |
| 1999－02 | 30.5 | 30.5 | 31 | 31 | 30.8 | 27.7 | 29.5 | 28.2 | 29 | 27 | 27 | 30.1 | 31 | 30.5 | 26.5 | 29.5 | 28.7 | 29. | 30.5 | 30.4 | 30.5 | 31. | 31 | 29.7 | 30 | 29.8 | 30.4 | 29.5 | － | － | － |
| 1999－03 | 30 | 30 | 30 | 30 | 31.4 | 30.5 | 30 | 30.5 | 30.5 | 31 | 30 | 31 | 30.7 | 30.5 | 30.5 | 31.5 | 31. | 31 | 31．1 | 30.8 | 29 | 29 | 29 | 30.4 | 30.5 | 29.9 | 30.1 | 30 | 30 | 30.2 | 30 |
| 1999－04 | 30 | 29.5 | 30.3 | 27.8 | 29 | 32.3 | 29.3 | 29.5 | 30.3 | 30.4 | 30 | 30.5 | 30 | 30.5 | 30.7 | 31.6 | 31.7 | 29. | 28.5 | 27.5 | 30.5 | 29.5 | 29.9 | 30.6 | 30. | 31.5 | 29.5 | 29.5 | 29 | 29.5 |  |
| 1999－05 | 28 | 29.5 | 30.5 | 30 | 29 | 29.3 | 25.4 | 25.6 | 26.5 | 27 | 27.5 | 27.5 | 27.5 | 28.5 | 28.2 | 28 | 28 | 26.5 | 27.5 | 27.5 | 28. | 24.2 | 25 | 26.5 | 27 | 27. | 27 | 27 | 26 | 27.3 | 26.5 |
| 1999－06 | 28. | 27.5 | 25.5 | 28.7 | 28.6 | 27 | 24 | 24.5 | 24.5 | 24 | 25.5 | 26.1 | 28 | 28.5 | 30.5 | 29.5 | 29 | 27.6 | 24.1 | 23.5 | 24.5 | 26 | 25 | 26.5 | 26.9 | 8. | 27 | 28 | 26 | 27 |  |
| 1999－07 | 24 | 25.4 | 27.2 | 27.5 | －27 | 26. | 27 | 26.5 | 27.5 | 27.1 | 27 | 25 | 7.5 | 27 | 26.5 | 27 | 28.7 | 28.5 | 28. | 28 | 27.5 | 28.9 | 27.9 | 27 | 28. | 27.5 | －31 | 29.5 | 29 | 25.2 | 23. |
| 1999－08 | 23 | 25.5 | 28 | 28.5 | 4.5 | 25.5 | 23.8 | 22.5 | 24 | 24 | 25. | 24.5 | 24.9 | 26.1 | 25.5 | 25.5 | 28 | 28 | 28.5 | 25.8 | 25.5 | 26 | 24.5 | 24. | 25.5 | 27 | 25 | 26 | 27. | 27 | 27.5 |
| 1999－09 | 24 | 24.5 | 26. | 26.5 | 26.5 | 28 | 29 | 28 | 28 | 27 | 26.1 | 27 | 28.5 | 29 | 28.5 | 28.5 | 25.8 | 27.2 | 27.4 | 27.5 | 28 | 27 | 26.5 | 26.7 | 27.2 | 26.5 | 27.5 | 26 | 25.5 | 26. |  |
| 1999－10 | 26.3 | 26.5 | 26.5 | 28 | 27.5 | 29.2 | 29 | 28.8 | 29.1 | 26 | 26. | 27. | 27 | 26.5 | 26.5 | 26 | 27.5 | 26.5 | 28 | 24.5 | 27 | 28.5 | 28.6 | 28 | 27.6 | 26.5 | 27.5 | 27 | 26.5 | 27.2 | 26.3 |
| 1999－11 | 29 | 29 | 28 | 29.6 | 29 | 28.2 | 29.4 | 27.5 | 25.5 | 28.5 | 29 | 29 | 30 | 29.5 | 27 | 31.5 | 29 | 30 | 30.1 | 30.1 | 29.5 | 29. | 27 | 26 | 28. | 29.3 | 27.3 | 26.6 | 28.5 | 25.5 |  |
| 1999－12 | 27 | 26 | 26.5 | 28.5 | 28.5 | 29.5 | 29 | 29 | 28 | 27 | 30 | 30.5 | 28.5 | 29.6 | 29.5 | 33 | 30.5 | 30.5 | 31 | 31 | 31 | 31.5 | 31 | 29 | 28.8 | 28.5 | 28.5 | 26.5 | 29 | 29.8 | 29.7 |
| 2000－01 | 30.3 | 30.5 | 32 | 31 | 30.5 | 32 | 31.6 | 31.3 | 31 | 27 | 29 | 31 | 30.7 | 31.1 | 32.9 | 31 | 31 | 31.5 | 31 | 30 | 31.1 | 31.5 | 30 | 30.5 | 31.5 | 30 | 31.7 | 31 | 31.5 | 31.5 | 31 |
| 2000－02 | 31.5 | 32.5 | 30.5 | 31 | 30.5 | 30 | 29 | 29 | 30 | 31 | 29 | 30.5 | 30 | 29 | 32.5 | 31 | 31.2 | 31.5 | 31.2 | 30 | 32 | 31 | 31 | 31 | 31 | 31.1 | 31.5 | 31.2 | 31.5 | 二 | － |
| 2000－03 | 31.5 | 30.5 | 31 | 3. | 31.6 | 31 | 31 | 31.5 | 30.3 | 31.2 | 30.7 | 28.5 | 33 | 31.5 | 31 | 32 | 31 | 30.1 | 30 | 31 | 31 | 32 | 31.5 | 31 | 31 | 31 | 31.5 | 30 | 30 | 31 | 31 |
| 2000－04 | 30.5 | 30.5 | 29 | 30 | 29 | 30 | 29.5 | 31 | 31 | 30 | 28 | 30.4 | 29.4 | 30.2 | 29 | 30.8 | 30.2 | 29.5 | 30.4 | 30.1 | 31 | 29.5 | 30.5 | 30.5 | 31.6 | 27.5 | 27 | 27 | 26.5 | 26 | － |
| 2000－05 | 27 | 26 | 27.8 | 26.5 | 28.5 | 27.8 | 28.5 | 28.3 | 29.8 | 29.8 | 30 | 30 | 28.5 | 29.5 | 29.5 | 30 | 27 | 29.5 | 29 | 30 | 29.5 | 30 | 29 | 29 | 27.5 | 27.5 | 27.5 | 27 | 27 | 27 | 27.5 |
| 2000－06 | 29 | 29 | 31 | 30 | 26 | 25.8 | 26 | 26.5 | 27.6 | 26.7 | 28 | 30.6 | 28.5 | 24.2 | 24.5 | 24.5 | 26.5 | 26.5 | 27.5 | － 28 | 28.5 | 28.5 | 27 | 26 | 27.5 | 27.8 | 26.6 | 29 | 26 | 26 | － |
| 2000－07 | 26.2 | 26.5 | 27.5 | 24 | 24.5 | 26.5 | － 26 | 27 | 27 | 26 | 26 | 25.5 | 27. | 28.6 | 28 | 25.5 | 27.2 | 27.5 | 26 | 27 | 27 | 27 | 27 | 26.5 | 23.5 | 26 | 25.8 | 26.5 | 27 | 27 | 28.5 |
| 2000－08 | 26.5 | 23.5 | 24 | 25.2 | 25 | 25.5 | 25 | 25.5 | 24 | 26.5 | 27 | 26.8 | 23.5 | 24.5 | 25 | 24.5 | 26.5 | 27.6 | 25.5 | 27.5 | 27.5 | 26.5 | 26.5 | 28 | 27. | 27 | 28 | 28 | 28. | 29 | 29.5 |
| $2000-09$ | 29 | 26.5 | 28. | 25 | 25.3 | 26. | 27. | 28 | 28 | 28.5 | 29 | 28.5 | 28.5 | 26 | 25 | 26 | 27.5 | 24.7 | 25.5 | 24.2 | 25 | 24 | 22.6 | 25 | 25.5 | 25 | 24 | 26 | 26.5 | 26 | － |
| 2000－10 | 27 | 27.2 | 27.5 | 28 | 27.5 | 27 | 27.2 | 25.6 | 26 | 25.2 | 27 | 28.5 | 27 | 28 | 27.5 | 27.5 | 27.5 | 27.5 | 28.5 | 27 | 26.5 | 26 | 26 | 24 | 26.5 | 27 | $\underline{27}$ | 28 | 29 | 28 | 28 |
| 2000－11 | 28.5 | 30 | 29.5 | 32.5 | 31 | 29 | 29 | 29.5 | 31.5 | 31.5 | 28 | 28 | 26.5 | 26 | 25.5 | 25.5 | 26 | 26.2 | 27.5 | 27 | 28 | 26 | 32 | 30 | 32 | 30.5 | 30 | 29.5 | 30 | 28.5 |  |
| 2000－12 | 29 | 30 | 30.5 | 31 | 30.5 | 28 | 26.5 | 29 | 29.5 | 27.5 | 26.5 | 27 | 30 | 29.5 | 27.5 | 28 | 29 | 30.5 | 31 | 31 | 30 | 29.5 | 29.5 | 29.2 | 30 | 30 | 31 | 30 | 30 | 30.2 | 30 |
| 2001－01 | 30.2 | 31. | 31 | 31 | 31.6 | 32 | 31.5 | 32 | 32 | 31.5 | 32.3 | 33 | 33.5 | 32.5 | 30 | 30.5 | 32.7 | 30.5 | 33. | 31 | 31.2 | 31 | 29 | 29.6 | 31 | 30 | 31.5 | 32 | 32.5 | 31.5 | 32.5 |
| 2001－02 | 32.5 | 32 | 32 | 31.7 | 31 | 32 | 32. | 32.5 | 33.5 | 32 | 32 | 32 | 32 | 32 | 32 | 31.5 | 32.5 | 34 | 32.5 | 32 | 31 | 31 | 32 | 32 | 31.5 | 30.5 | 31.5 | 31.5 | － | － | － |
| 2001－03 | 31 | 30 | 30.5 | 30.5 | 31.5 | 31 | 31 | 30.5 | 30.6 | － | － | － | － | － | － | － | － | － | $=$ | － | 30 | 28 | 27 | －29 | 29 | 31 | 31.5 | 30.1 | 29 | 30. | 30 |
| 2001－04 | 31 | 31 | 30.5 | 30 | 31 | 31 | 30.5 | 31 | 31 | 30.5 | 30 | 31 | 30 | 30 | 30 | 30 | 30.2 | 31 | 31 | 31 | 30 | 29.1 | 27.8 | 27.8 | 28.7 | 29.8 | $\underline{28}$ | 29.5 | 29.8 | 29.7 |  |
| 2001－05 | 30 | 28.7 | 29.7 | 29 | 30 | 29.3 | 28 | 28.7 | 30.8 | 29.5 | 28.7 | 29.8 | 28 | 28.9 | 27.8 | 26.8 | 26.7 | 27 | 28.5 | 27.5 | 27.5 | 30 | 28.5 | 28.5 | 29 | 29 | 29 | 28 | 27.8 | 31 | 30 |
| 2001－06 | 28 | 25.5. | 24. | 25 | 27 | 25.5 | 26.8 | 25 | 26 | 26 | 27.5 | 30.3 | 27.8 | 27 | 28 | 26.8 | 26.5 | 26.5 | 26.2 | 25.5 | 25.8 | 27.2 | 28 | 26.5 | 24 | 25 | 25.5 | 25 | 24.7 | 25 | － |
| 2001－07 | 24.5 | 25 | 26.8 | 26.8 | 28 | 31.5 | 28. | 26.5 | 27 | 29 | 28.5 | 23.8 | 25.5 | 25 | 25.8 | 26 | 27 | 28 | 26 | 26 | 26 | 23.7 | 24 | 24.5 | 25. | 25 | 24.5 | 26 | 25.5 | 26.5 | 27 |
| 2001－08 | 26.8 | 27.5 | 28 | 26.5 | 28.5 | 27.5 | 27.5 | 27.5 | 27 | 27.5 | 24.8 | 25 | 26 | 26.2 | 24 | 23 | 23.5 | 24 | 24.5 | 26 | 26 | 26 | 26.5 | 26 | 28 | 27.5 | 27.8 | 27.6 | 29 | 28 | 29.7 |
| 2001－09 | 29 | 26 | 26.2 | 27 | 26.2 | 27 | 26.5 | 27.5 | 27.4 | 27.5 | 27 | 24.5 | 26 | 25 | 27 | 26.8 | 28 | 27.5 | 27 | 28 | 28.2 | 28 | 28.5 | 26 | 25.5 | 25.5 | 27 | 28 | 27 | 26 |  |
| 2001－10 | 26 | 24 | 27 | 28 | 30. | 29.6 | 29 | 28 | 28 | 28.3 | 28.5 | 26.3 | 26.4 | 26 | 31 | 27 | 28.5 | 28 | 28.5 | 29 | 29.3 | 27 | 28.2 | 26 | 26.4 | 26.5 | 26 | 27.3 | 29.9 | 28 | 28.7 |
| 2001－11 | 29.5 | 31. | 29. | 29. | 30 | 29 | 30 | 30.8 | 29 | 28.5 | 29. | 28.8 | 28.7 | 29 | 29.4 | 28 | 28.5 | 29.6 | 28.5 | 29 | 28.2 | 28.9 | 29.5 | 29.5 | 29 | 28. | 28.3 | 28.6 | 29.5 | 30 | － |
| 2001－12 | 31.4 | 31 | 29 | 29 | 28.2 | 29.3 | 29.5 | 28.8 | 28 | 29 | 29.8 | 29.5 | 30 | 31 | 31.4 | 29.5 | 29.5 | 30 | 30. | 29.8 | 28.8 | 30 | 30 | 30.5 | 30.5 | 30.5 | 30 | 30.5 | 31 | 30.5 | 30.5 |
| 2002－01 | 30.7 | 30.8 | 30.9 | 31 | 37.5 | 31 | 31.5 | 30.2 | 28.5 | 29 | 30.9 | 30 | 30.2 | 29.5 | 30.5 | 31 | 31.5 | 31 | 31.5 | 31.5 | 30.4 | 32 | 32 | 33 | 31.5 | 31.7 | 32 | 34 | 32.5 | 30.2 | 29.2 |
| 2002－02 | 30.5 | 31 | 30.8 | 31 | 31.8 | 31.5 | 31.4 | 30.5 | 31.5 | 31．8． | 31.5 | 31.5 | 31.5 | 32 | 32 | 32 | 32 | 31.5 | 30 | 29.5 | 27.7 | 30.5 | 28 | 27.3 | 31.2 | 32 | 30.8 | 31 |  |  | － |
| 2002－03 | 31 | 30.7 | 31 | 32.5 | 31 | 31.2 | 31 | 31 | 32 | 33.5 | 31.5 | 31 | 32.7 | 31.5 | 31.4 | 33 | 30.5 | 29.5 | 29.8 | 29.5. | 30.5 | 30.5 | 30.5 | 31 | 30.5 | 30.3 | 30.2 | 30 | 28 | 29.5 | 29. |
| 2002－04 | 31.3 | 31.3 | 31 | 30.8 | 30.5 | 31.5 | 31.5 | 30.5 | 30.8 | 31 | 31 | 29.5 | 30 | 29.5 | 29 | 30 | 28.8 | 28 | 29 | 28.5 | 29 | 28 | 29.5. | 30 | 29 | 29 | 30 | 30 | 29 | 27 |  |
| 2002．05 | 29.5 | 28.5 | 26.5 | 26.5 | 28. | 28.5 | 28.8 | 28 | 26.8 | 28 | 32 | 31. | 30 | 30 | 25.5 | 28 | 28 | 28.5 | 28 | 28 | 28 | 29.5 | 29 | 29 | 28.2 | 28.5 | 28.5 | 29.5 | 28.8 | 28 | 28.5 |
| 2002－06 | 29 | 29 | 26 | 25 | 26.5 | 27 | 27. | 26 | 27.5 | 28.5 | 28 | 27.5 | 27.5 | 29 | 28.5 | 28.5 | 28.5 | 28.5 | 28 | 27.5 | 27.5 | 28.5 | 28 | 27.5 | 25 | 26.5 | 27 | 30.5 | 28 | 31.5 | － |
| 2002－07 | 25.5 | 23.5 | 24. | 26 | 30 | 28.5 | 27 | 29 | 24 | 25.5 | 26 | 28 | 26 | 26 | 26 | 25 | 26.8 | 25.5 | 26.5 | 26 | 26.5 | 26 | 27.8 | 28 | 29 | 30.2 | 26 | 25.3 | 25.5 | 24 | 24.5 |
| 2002－08 | 26 | 26.6 | 27 | 26 | 26.5 | 27.2 | 27.5 | 24.5 | 24 | 21.7 | 22 | － | － | － | － | － | － | － |  | 28 | 23.5 | 24 | 24.7 | 25.7 | $\underline{26}$ | 27.5 | 28 | 30 | 24.5 | 25 | 23.2 |
| 2002－09 | 24.5 | 24 | 25.5 | 27 | 25.8 | 26 | 26.5 | 26.5 | 26.5 | 27.5 | 27 | 28.5 | 23.7 | 25 | 23.5 | 23.5 | 22.5 | 25.5 | 27.5 | 26.7 | 26 | 26.5 | 27 | 27.5 | 26 | 25.5 | 26 | 26.3 | 26.5 | 27 |  |
| 2002－10 | 28.5 | 27.8 | 27 | 27 | 26. | 25.5 | 25 | 25.5 | 25 | 24.8 | 24.51 | 25.2 | 27 | 26.5 | 27.5 | 26 | －27 | 28 | 26 | 27.5 | 27.3 | 28.5 | 28 | 28 | 28 | 27.8 | 27. | 28. | 29.5 ， | 30.5 | 29 |

## Appendix 4 Weather observation data at 6 sites in Viti Levu South area（37）

Tokotoko Minimum

|  | 1日 | 2日 | 3B | 4日 | 5 E | 6日 |  | 8日 | 9 9 | 旦 | 11 星 | 2日 | 13 日 | 14 B | 15日 | 16 B | 17 B | 8 8 | 19日 | 20. | 21日 | 22日 | 23 日 | 24日 | 25 | 26日 | 27日 | 28 B |  | 30日 | 31日 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01 | 23.5 | 22.4 | 23.2 | 22.8 | 22 | 22 | 23.7 | 23.5 | 22 | 23.8 | 23 | 23.5 | 1.5 | 5 22 | 22 | 22.1 | 22.1 | 22.6 | 23 | 22.7 | 22 | 22 | 22. | 22.7 | 21 | 22.5 | 22 | 23 | 22.6 | 23.3 | 22 |
| 1999－02 | 23 | 22.5 | 22.5 | 23.5 | 23 | 23.5 | 1.9 | 22 | 21.7 | 21 | 22.2 | 22.5 | 22.5 | 2.8 | 23.5 | 23 | 22.5 | 23 | 23.5 | 21. | 22.5 | 23 | 22.5 | 23. | 22 | 22 | 23.4 | 24.4 | － |  |  |
| 1999－03 | 23.5 | 23 | 21. | 20 | 22.5 | 21.7 | 22.1 | 22.5 | 21.5 | 21.5 | 22.5 | 22.5 | 23.9 | 23.4 | 23 | 22.5 | 22 | 22.5 | 24 | 24.8 | 24.7 | 24.4 | 22.7 | 22 | 22.2 | 22.5 | 22. | 23.4 | 23. | 22.5 | 22 |
| 1999－04 | 22.2 | 23 | 22.5 | 23.6 | 22.6 | 23 | 22.5 | 22.1 | 22.2 | 22.4 | 22.3 | 23 | 22.3 | 22.5 | 22.5 | 23.3 | 23.5 | 24.1 | 24 | 23.5 | 22.7 | 24.7 | 23.5 | 21.7 | 21.4 | 22 | 24 | 23 | 23. | 22.8 |  |
| 1999－05 | 24.7 | 21.7 | 21.5 | 22.5 | 22.5 | 23 | 23 | 22.1 | 21.5 | 21.5 | 21.3 | 22.5 | 20.5 | 21.5 | 22 | 21.1 | 18 | 23 | 21.5 | 20 | 22 | 22.3 | 22.5 | 21 | 21.7 | 22 | 20.5 | 21 | 17. | 19 | 19 |
| 1999－06 | 19. | 19.5 | 21.5 | 19. | 20.3 | 21.8 | $\underline{22}$ | 20 | 19 | 20.5 | 21 | 18.5 | 20.5 | 18.5 | 19.5 | 19.5 | 20.5 | 20.5 | 21.2 | 20.6 | 21.5 | 18.5 | 18 | 18.5 | 21 | 18. | 20.3 | 20 | 22. | 23. |  |
| 1999－07 | 20. | － 21 | 18.3 | 17. | 19.5 | 18 | 20 | 21 | 21 | 22.5 | 21.2 | 22 | 21.5 | 20.5 | 22 | 21.5 | 21 | 20.5 | 20 | － 22 | 21.5 | 21.5 | 22 | 21 | 22 | 18.2 | 21.5 | 22 | 21. | 21.5 | 19.3 |
| 1999－08 | 19.4 | 9.5 | 21.5 | 21 | 22.5 | 21 | 0.8 | － 20 | 20.5 | 21 | 20 | 20.5 | －18 | B 19 | 21 | 21 | 19.5 | 20 | 20 | 20 | 19.6 | 17.5 | 21 | 20 | 21.5 | 22 | 21.5 | 21.7 | 22 | 22. | 19.5 |
| 1999－09 | 20.5 | 22.5 | 20.5 | 22 | 22. | 21.5 | 22.5 | 20 | 19.5 | 21 | 21.2 | 20.3 | 22 | 23.5 | 22 | 19 | 21.1 | 21.9 | 1.1 | 20 | 21.9 | 18.5 | 21. | 22 | 22. | 22. | 22. | 21.5 | 21. | 21.5 |  |
| 1999－10 | 20 | 22.3 | 17.5 | 19.5 | 22 | 21.5 | 21.3 | 21 | 22 | 21.5 | 21.1 | 21 | 17.5 | － 17 | 17 | 19 | 21.7 | 22 | 20.8 | 23 | 23 | 23.5 | 22.6 | 22.9 | 23. | 22. | 21. | 22 | 21. | 21.1 | 19.7 |
| 1999－11 | 21.5 | 19 | 21 | 21 | 20 | 20.8 | 19.2 | 22.3 | 22.5 | 20.4 | 20.5 | 22 | 21 | 21 | 22.5 | 22.5 | 22 | 23.5 | 23 | 21.2 | 23 | 22 | 23 | 22 | 22 | 23.8 | 21. | 22.5 | 20. | 22 | － |
| 1999－12 | 22 | 23.5 | 23 | 22.6 | 23.6 | 22 | 22 | 22 | 22.5 | 22 | 23 | 23.5 | 22.5 | 22.5 | 21.8 | 23 | 23.5 | 22.5 | 22.2 | 22 | 23.5 | 22 | 25 | 24 | 23. | 22. | 21. | 20. | 20. | 22. | 23. |
| 2000－01 | 21.6 | － 23 | 23 |  | 22.5 | 23.5 | 23.5 | 22.8 | 22.7 | 24.5 | 22.6 | 23 | 22 | 23.5 | 24 | 24.9 | 23.6 | 24 | 25.5 | 23 | 23.5 | 2.9 | 24.1 | 23 | 24 | 24 | 21. | 23 | 22. | 23. | 23. |
| 2000－02 | 24 | 24 | 23 | 22 | 23.5 | 22.5 | 22.5 | 23 | 22 | 23 | 23 | 22.5 | 21.8 | 23.5 | 23.5 | 23.5 | 23 | 23 | 22.6 | 22.9 | 23 | 22 | 22 | 23 | 23.5 | 22. | 22.5 | － 23 | 23.2 |  |  |
| 2000－03 | 23.2 | 24.6 | 24.5 | 23.5 | 23 | 24.6 | 23 | 23.5 | 24 | 23.8 | 24 | 21 | 21.5 | 22.5 | 23 | 23. | －23 | 22.5 | 22.9 | 22.5 | 23. | 23 | 22.5 | 23.5 | 23.5 | 23.5 | 22.5 | 23 | 23 | 22. | 22. |
| 2000－04 | 22.2 | 22.5 | 23 | 23.5 | $2!$ | 22.4 | 24 | 22.5 | 23 | 24.5 | 25.5 | 23 | 23.5 | 24 | 24.5 | 24.5 | 23 | 23.5 | 23.5 | 23.3 | 22.5 | 23 | 22 | 22.5 | 21.7 | 22. | 23 | 23.5 | 21.2 | 22. |  |
| 2000－05 | 23.2 | 22 | 22.3 | 23.5 | 23.5 | 21 | 21.5 | 23 | 23.3 | 20.5 | 20.5 | 23.5 | 22.5 | 22.2 | 22.5 | 21.8 | 22.5 | 23 | 21.5 | 22 | 20.5 | 21.5 | 21.5 | 22.2 | 21.5 | 22 | 20. | 21 | 21 | 18. | 17 |
| 2000－06 | 18 | 19.2 | 19.8 | 22.5 | 21.5 | 23 | 2．9 | ． 5 | 21. | 23. | 20.8 | 18.8 | 20.7 | 21.5 | 19.5 | 20 | 21.2 | 2.5 | 22 | 21.8 | 20.5 | 20.5 | 21. | 23 | 22. | 22. | 22. | 21.2 | 23 | 21. |  |
| 2000－07 | 17 | 16.5 | 21 | 21.5 | 22 | 22 | 20.4 | 20.8 | 19.8 | 21.5 | 18 | 22 | 19 | 21 | 21.5 | 22 | 21 | 19.5 | 20.5 | 21.2 | 20.5 | 18 | 20.5 | 19 | 20.5 | 19.5 | 20 | 20.5 | 19.5 | 19 | 21.5 |
| 2000－08 | 21. | 20. | 20.5 | 21.5 | 21.2 | 19 | 19.5 | 19.2 | 20.2 | 20.6 | 19.5 | 18.5 | 19.5 | 19 | 19.7 | 20 | 20.5 | 19 | 22 | 21 | 21.5 | 21 | 21 | 23.5 | 22 | 21 | 18 | 19.7 | 24 | 18 | 18 |
| 2000－09 | 20.5 | 20.5 | 17.5 | 21.5 | 21 | 21.5 | 22 | 21 | 20 | 19.5 | 19.5 | 18. | 19.5 | 22 | 22.7 | 22 | 21.5 | 22 | 21.2 | 20 | 19.5 | 21 | 20.5 | 19.5 | 19.5 | 21 | 20.5 | 21 | 20.5 | 20.5 |  |
| 2000－10 | 19.5 | 19.5 | 23 | 22.5 | 23.5 | 21.5 | 22 | 22 | 21.6 | 22 | 22 | 21 | 20.5 | 19，5 | 23.5 | 24.5 | 19 | 21.5 | 20.8 | 20 | 19.5 | 18.2 | 17.5 | 18 | 18 | 20.3 | 21 | 21.5 | 21 | 21.5 | 23. |
| 2000－11 | 23.5 | 22 | 20 | 22.5 | 21.5 | 20.5 | 21.5 | 20 | 21.5 | 21.5 | 23 | 21 | 21.5 | 21 | 21.5 | 21.3 | 22 | 21 | 20.1 | 22.5 | 20.5 | 20.5 | 22 | 22 | 22.5 | 22 | 23.4 | 22. | 22 | 23 |  |
| 2000－12 | 22 | 22. | 23. | 23 | 23 | 23.5 | 23.5 | － 23 | 21.5 | 23.5 | 22.5 | 22 | 22 | 21.5 | 20 | 19.5 | 20.5 | 20.5 | 22.5 | － 21 | 22 | 21 | 21.5 | 19. | 22 | 23. | 23.5 | 24. | 23 | 24 |  |
| 2001－01 | 20 | 21.5 | 23.5 | 22.8 | 2.8 | 22. | 21 | 22 | 23 | 23 | 23 | 22 | 23 | 21 | 1.5 | 22.5 | 22 | 22 | 21. | 23 | 23 | 22 | 19 | 22.5 | 22.5 | 23.2 | 22 | 22.5 | 23. | 23 | 22 |
| $2001-02$ | 22.2 | 22 | 23. | 23 | 22.5 | 21.5 | 23 | 23 | 22.5 | 23 | 24 | 23.5 | 23.5 | 22.5 | 23.5 | 23 | 22.5 | 23 | 25 | 25 | 23 | 22 | 22 | 23 | 22.5 | 21 | 22 | 22 |  | － |  |
| 2001－03 | 22.5 | 21 | 22 | 21.5 | 20.5 | 21.5 | 23.5 | 22 | 22.5 | 22.5 | 22.5 | 21.7 | 22 | 22 | 21 | 21 | 21 | 21 | 21.5 | 22 | 22.5 | 22.5 | 21.5 | 21.5 | 22 | 19.5 | 20. | 21.5 | 22 | 21.5 | 20. |
| $2001-04$ | 21.8 | 21 | 20.5 | 21 | 21.5 | 22 | 22.5 | 24 | 22.5 | 23 | 22.5 | 23.6 | 23.5 | 23 | 23 | 23.2 | 22.8 | 23 | 22. | 22.2 | 22 | 23 | 23.4 | 23.3 | 22.5 | 22.5 | 23. | 21. | 22 | 22. |  |
| 2001－05 | 21.6 | 23.8 | － 23 | 22 | 23.5 | 22 | 22.5 | 22.7 | 23.3 | 22 | 20.7 | 21.5 | 23 | 21.7 | 22.5 | － 22 | 23.2 | 20.2 | 19 | 19.5 | 18.5 | 19 | 18.9 | 17. | 18. | 22 | 21. | 22.5 | 22. | 22 | 22 |
| $2001-06$ | 21.4 | 22 | 22 | 20 | 21.5 | 23 | 22.3 | 21 | 21 | 1.5 | 16.5 | 17.5 | 18.5 | 17 | 18 | －17 | 19 | 19.5 | 16 | 20 | 20 | 11.3 | 21.5 | 22. | 21. | 21. | 21. | 21 | 21. | 19.5 |  |
| $2001-07$ | 20.5 | 20 | 19.5 | 19.5 | 20.3 | 20.5 | 19 | 19.5 | 18.6 | 19.5 | 21 | 21.5 | 17 | 17.5 | 15.5 | 16.5 | 20.3 | 19 | 19.5 | 19.5 | 20 | 19.7 | 20. | 21 | 9.3 | 20 | 20.2 | 19.5 | 21 | 16. | 8. |
| 2001－08 | 17.5 | 20.7 | 20 | 22.5 | 20. | 20.5 | 23.4 | 21 | 21 | 19 | 16. | 18.2 | 16 | 18.5 | 20 | 18.7 | 19 | 14.5 | 15. | 16 | 18.3 | 19.8 | 20.3 | 19 | 20 | 21 | 19 | 19.3 | 20.4 | 23.5 | $\underline{21}$ |
| 2001－09 | 21.5 | 21 | 18.5 | 14.5 | 16 | 16 | 16.5 | 19.5 | 18.5 | 21.5 | 21.3 | 21.5 | 20 | 21 | 21 | 19 | 20 | 20 | 21.3 | 22 | 21.3 | 20.7 | 22.5 | 21.3 | 21 | 21 | 20.5 | 20.5 | 22 | 22 | － |
| 2001－10 | 21 | 21.5 | 19.5 | 19.8 | 21.5 | 22 | 2 | 21.5 | 19. | 19.4 | 18.6 | 21.5 | 20.6 | 19.1 | 18.8 | 18. |  | 22 | 22.5 | 22.5 | 21.7 | 23.8 | 22 | 22 | 17 | 18.6 | 1 | 17.5 | 20.8 | 19 | 19. |
| 2001－11 | 19.4 | 21.4 | 21.5 | 21 | 23.5 | 21.7 | 21.5 | 22 | 22 | 21.5 | 22.5 | 22.8 | 24 | 20.5 | 20 | 21.5 | 22 | 21.2 | 22.8 | 23.5 | 23.8 | 20.6 | 19.8 | 21.5 | 23 | 22.5 | 20.5 | 18.2 | 19.5 | 20.5 |  |
| 2001－12 | 21.5 | 23.4 | 23 | 21.5 | 21.8 | 22 | 21.5 | 21 | 21.5 | 19.5 | 23.4 | 23.5 | 24.5 | 23 | 22.9 | 23 | 21.5 | 21.4 | 20 | 21.8 | 23.5 | 23.5 | 23.5 | 24.3 | 23 | 25.3 | 25 | 25. | 24. | 23.5 | 24 |
| 2002－01 | 24 | 21.5 | 21.3 | 22.5 | 23.5 | 23.5 | 22.5 | 23 | 23.4 | 23.5 | 25 | 23 | 24 | 23.3 | 23.8 | 24 | 23.5 | 23.4 | 23 | 23.6 | 23.5 | 25.3 | 21 | 25.2 | 24.9 | 24 | 23.8 | 23. | 23. | 23 | 23. |
| 2002－02 | 23. | 24 | 22.7 | 23 | 22.5 | 23.6 | 22.6 | 23 | 22.5 | 23.5 | 23.9 | 24.8 | 25 | 24 | 24.3 | 23.5 | 24.5 | 25 | 26 | 23.5 | 23.5 | 22 | 24 | 24 | 23.5 | 23.3 | 23 | 23.5 | － | － |  |
| 2002－03 | 23.8 | 22 | 23 | 23 | 23.5 | 22.4 | 22 | 22 | 23.5 | 23 | 24 | 23.6 | 23 | 23.8 | 23.5 | 22.5 | 24 | 22.5 | 22 | － 22 | 2 | 24.5 | 2 | 22 | 22 | 21.8 | 23. | 2 | 22. | 24 | 22.5 |
| 2002－04 | 22.5 | 22.6 | 23 | 22.5 | 22 | 21.5 | 22.5 | 22.4 | 21.5 | 21.5 | 22.3 | 22.3 | 23 | 23.4 | 23 | 23.6 | 24.8 | 23.5 | 23.5 | 22.5 | 22 | 22.4 | 22 | 22.5 | 2 | 22 | 22. | 24.5 | 22. | 24 |  |
| 2002－05 | 22.8 | 22 | 22.8 | 22.5 | 23.5 | 22 | 23.4 | 24.3 | 22.9 | 23.5 | 23 | 22 | 22.5 | 23 | 23.5 | 23 | 23.5 | 22.5 | 2 | 20.8 | 18.8 | 18.5 | 20.5 | 19.5 | 18.5 | 20.2 | 21 | 20.5 | 22 | 23 | 22.5 |
| 2002.06 | 21 | 22.2 | 23 | 20.5 | 22.3 | 22.5 | 19.5 | 21 | 18 | 16.5 | 18.7 | 21 | 19 | 21.5 | 21 | 20.5 | 23 | 22.5 | 22 | 19 | 18.5 | 21.4 | 17.3 | 17 | 21.8 | 23 | 20 | 21.5 | 20 | 23 |  |
| 2002－07 | 21 | 22 | 19.5 | 20 | 21.5 | 20.5 | 23.5 | 20.5 | 20.8 | 21 | 21 | 22 | 20. | 19.5 | 15.5 | 18.3 | 20 | 21.6 | 20 | 19.5 | 20 | 21.3 | 22 | 20 | 20.3 | 22 | 22.2 | 20 | 15.5 | 15.5 | 20.3 |
| 2002－08 | 19 | 22 | 20 | 21 | 23 | 16 | 17 | 17.5 | 18.2 | 18 | 18 | 18 | 21.8 | 21 | 22 | 17.2 | 19.5 | 18.5 | 17.8 | 18.7 | 19 | 20 | 19 | 20. | 18 | 18 | 17.8 | 19.5 | 20 | 19 | 20.5 |
| 2002－09 | 19.5 | 20 | 21.7 | 22 | 21.5 | 21.5 | 20 | 18.5 | 17 | 18.5 | 20.5 | 21 | 22.5 | 20.2 | 21.5 | 21 | 19. | 19 | 19.5 | 16. | 18.5 | 22.5 | 21.5 | 22.8 | 22.3 | 22 | 22 | 19.8 | 20.5 | 22.5 |  |
| 2002－10 | 22.5 | 20 | 20 | 22.5 | 22 | 22 | 20.5 | 20. | 19 | 20.5 | 19.5 | 19 | 19 | 21.2 | 21.3 | 22.5 | 22.5 | 24 | 22 | 22 | 21.5 | 22.5 | 23.5 | 22.8 | 22.5 | 20.5 | 19.8 | 20 | 20 | 22 | 21.6 |

## Appendix 4 Weather observation data at 6 sites in Viti Levu South area（38）

Tokotoko $\mathrm{R}_{\text {Rainfall }}$

|  | 1日 | 2旦 | 31 | ［4日 | 5 － | 6日 | 7 旦 | 8日－79 | 9旦 | 10日 1 | 11 星 | 12日 | 139 | 14日 | 15日 | 16 日 | 17日 | 18 日 | 19日 | 20日 | 21星 | 22日 | 23日 | 24日 | 25日 | 26日 | 27日 | 28日 | 29日 | 30日 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01． |  | 6.8 | 2.6 | 7.5 | 22.9 | 26.5 | 5－9．2 |  |  | － 0 | 63.3 | 8.3 | 0 |  | 0 | 0 ） | 39 | 40 | 34 | 8.7 | 0.6 |  |  | 5.5 | 6.7 |  |  |  |  | 7.3 | 9.5 |
| 1999－02 | 0 | 0 |  | 0.3 | 12.7 | 13.1 | 0.3 | 3 | 69.3 | 6.2 | 14.7 | 17.1 | －0 | 3.5 | 18.6 | 13.2 | 23.7 | 3.8 | 0 | 4.7 | 19 | 0 | － 1 | － 0 | 0 | 4 | 28 | 1.9 | － |  |  |
| 1999－03 | 2.5 | －0． | 0 | － 0 | － 0 | 17 | － 0 | 24.1 | － 0 | － 0 | 16 | 31.5 | －1 | － | 0 | 0 | 0 | 9. | 1.6 | 3.4 | 18 | 38.7 | 0 | －0 | 0 | 70.5 | 23.9 | ． 11 | 4 | 38.8 | 0 |
| 1999－04 | 12.5 | 24.6 | 24.9 | 11.2 | ． | ¢ 0 | － 0 | 0 | 54.8 | 1.6 | 0 | 19.8 | 12.1 | 0 | 0 | 22 | 7.5 | 1.2 | 145 | 58.5 | 16.1 | 1.1 | 0 | 0 | 0 | 3.3 | 0 | 0 | 0 | 45.5 | $-$ |
| 1999－05 | 27.7 | 0 | 0 | 15.4 | 5.2 | 51.9 | 24．3 | 12 | 0 | 2.1 |  | 1.1 | 1.6 | 5.3 | － 0 | 0 | 0 | 32.7 | 2.8 | 5.6 | 4.4 | 57.1 | 9.4 | 8.3 | 1.3 | 1.2 | 2.4 | 0 | 0.8 | 22.4 | 0.5 |
| 1999－06 | 0 | 5.6 | 27.7 | 0.3 | 0.1 | 108.3 | 3.2 .4 | － 0 | 2.9 | 0 |  |  | － 0 | 0 | 0 | － 0 | 0 | 2.7 | 2.2 | 23.5 | 24.2 | － 0 | 0 | － 0 | 0 | 0 | － 0 | 0 | － 0 | 7.5 | － |
| 1999－07 | 8.2 | 2 |  | 0 | 0 | 5.1 | 7.8 | 4.8 | 0.7 | 0.9 | 1.4 | 0.7 | 0.7 | 1.8 | 57.1 | 0 | 28.8 |  |  | 5.1 |  | 0 | 3.3 | 2.4 | 0 | 0 | 8 | 1.5 | 41.3 | 12.8 | 12 |
| 1999－08 | 14.3 | 27.8 | － 0 | 11.3 | 5.5 | 26 | 75.7 | 16.4 | 13.4 | 8.6 | 37.6 | 58.2 | 4.5 | 14.3 | 1.9 | 1.3 | － | － 0 | 10.9 | 9.6 | 0 | 0 | 17.3 | 96.1 | 38.7 | 2.7 | 6.5 | 7.5 | 3.8 | 2.6 | 27.2 |
| 1999－09 | 27.2 | 66.5 | 7.5 | 9 | ， | 0 | 1.1 | 0 | 5.2 | 28 | 0.4 | 59.5 | 0 | 1.4 | 0 | 23.2 | 12 | 0.5 | 1.6 | 20.1 | 3.9 | 1.9 | 0 | 25 | 5 | 3 | 4.9 | 24.4 |  | 0 | － |
| 1999－10 | 0 | 1.1 | 0 | 17.5 | －0 | 7.2 | －0 | 0 | 40 | 11.6 | 5.6 |  | 0 | 0 | 0 | 2.9 | 14.3 | 28.4 | 13.2 | 5.2 | 8.8 | 13.5 | 81.2 | 0.6 | 3.6 | 4.3 | 3.5 | 17.8 | 39 | 65.5 | 35.6 |
| 1999－11 | 12.6 | － | 21.4 | 11.3 | 43.2 | 0.6 | d 0 | 4.1 | 27 | 0 | 8.3 | 0 | 10 | 11.5 | 6.8 | 0 | 0 | 20.8 | 2.8 | 0 | 60.6 | 56.2 | 43.1 | 7.5 | 45.4 | 21 | 4.3 | 0 | 1.8 | 6.1 | $-$ |
| 1999－12 | 19.5 | 133.6 | 62.3 | 34 | 48.8 | 12.5 | 4.9 | 61.3 | 56.5 | －3 |  | 84.9 | 7.4 | 16.7 | 6.7 |  | 7.1 | 12.5 | 20.3 | 0 | 13.1 | 0 | 19.6 | 21 |  |  | 73.8 | 2.9 | － 0 | 2.8 | 0 |
| 2000－01 | 0 | 1.5 | 117.2 | 26.6 | 18. | 0 | － 0 | 0 | 15.5 | 12 | 7 | 0 | 2.1 | 64 | 0 | 0 | 0 | 5.1 | 0 | 12.6 | 22.4 | 12.2 | 73.5 | 23.2 | 0 | 0 | 0 | 17 |  | 1.8 | 0 |
| 2000－02 | 0 | 3.9 | 63.8 | 4.3 | 37.8 | 25.9 | 6.9 | 2.6 | 3.3 | 17.8 | 20.7 | 3.3 | － 0 | 2.7 | 25.5 | 3.4 | 0 | 9.4 | 0 | 0 | 2 | 11.3 | 0 | 25.9 | 0 | 0 | 13.4 | － | 0 |  | $-$ |
| 2000－03 | 23.8 | 10 |  | 1 | 0 | 0 | 14.9 | 3 | 3.7 | 10.4 | 18.6 | 20.1 | 1.5 | 8.2 | 0 | 0 | 7.4 | 29.1 | 0 | 0 | － 0 | 6.5 | 27 | 12.1 | 0 | 14.2 | －0 | － 0 |  | 24.7 | 13.6 |
| 2000．04 | 4.3 | 23.8 | 36.9 | 27.2 | 11.2 | 4.5 | 1.6 | － 8 | 1.5 | － 0 | 3.1 | 2.2 | 14.7 | 22 | 0 | 12.2 | 12.9 | 1.5 | 7.4 | 0 | 1 | 0 | 0 | 0 | 0 | 15.5 | － 0 | 90. | －9 | 20.2 | － |
| 2000－05 | 14 | 3.6 | 15.3 | 15.2 | 1.3 | 5.5 | 18 | 6.2 | 0 | － 0 |  | 2.5 | 17.4 | 22.3 | －0 | 18. | 24.5 | 0.5 | － 0 | 0 | 1.2 | 0 | 7 | 83.8 | 8.2 | 2.6 | 36.3 | 3.1 |  |  | 0 |
| 2000－06 | 0 | 0 | 0 | 8.7 | 8.9 | 48 | － 6 | 4.7 |  | 3.5 |  |  | 18.9 | 2.7 | 10 | 75 | 18.9 | 6.2 | 9.2 | 2.7 | 0 |  | 214 |  | 0 | 25.4 | 0.5 | 16.8 | － 0 |  | － |
| 2000－07 | 0. | － 0 | 5.9 | 10 | 12.2 | 7.2 | － 0 | － 2 | 0 | － 0 | － 0 | 0 | 0 | 0 | 30.6 | 0.6 | 0 | 14.2 | 21.3 | 15.8 | 0 | 0 |  | 23.5 | 19.3 | 13.1 | 0.6 | 0 | 0.5 | －0 | 0 |
| 2000－08 | 35.8 | 75.4 | 84.6 | 36.9 | 0 | 0 | 36.5 | 1.6 | 5.6 | 0 | 8.3 | 12.8 | 10.6 | 7.3 | 15.8 | 14.3 | 0 |  | 1.6 | 0.3 | 8.8 | 3.2 | 2.3 | 6.6 | 1.5 | 0 | 0 | 0 | 4 |  | 0 |
| 2000－09 | 17 | － 0 | 3.5 | 6.5 | 6.6 | 183.5 | 5 | －0 |  | 0 |  | 0 | 69.4 | 0 | 0.5 | 14.2 | 47 | 16.5 | 13.5 | 1.5 | 9.5 | 7.2 | 23.7 | 0 | 6.2 | 27.6 | 18.6 | 23.7 | 22.2 | 0.6 | $-$ |
| 2000－10 | 125.4 | 27.5 | 12.3 |  | 1.1 | 2.5 |  | 0.5 | 27.5 | 38.4 | 55 | 7.9 | 18.7 | 4.3 | 0.4 |  | 52 | 7.4 | 0 | 15.2 | 6.5 | 6.8 | 27.5 | 31.5 | 22.9 | 15.1 | －8 | 0 | 12.2 | 1.5 | 0 |
| 2000－11 | 2.2 | 3.1 | 10.5 | 0 | 0 | 0 | － 0 | 0 | 0 | 0 | 1.4 | 4.5 | 10 | 17.3 | 6.5 | 3.7 | 15 | 26.2 | $\bigcirc$ | 0 | 0 | 0 | 0.3 | 37.7 | 0 | 0 | 4.5 | 53.9 | 19.6 | 16.3 | － |
| 2000－12 | 4.7 | 9.3 | ， | 6.7 | 8.2 | 18 | 1.8 | 7.3 | 20.5 | 9.5 | 16.2 | 36.2 | 2.2 | 3.1 | 12.5 |  | 0 |  |  | 41.3 | 46.8 | 0 |  | 6.4 | 2.9 | 0 | 7.2 | 11.5 | 5 | 11 |  |
| 2001－01 | 0.6 | 3.7 |  | 9.2 | 0 | 45.8 | 12.2 | 13.9 | 19.2 | 3.4 | 91.5 | 0 | 64 | 68.1 | 19.1 | 18 | 21.5 |  | 0 | 5.8 | 5.5 | 10.8 |  | 7.5 | 0 | 0.6 | － 0 | 0 | 3.3 | 1.6 |  |
| 2001－02 | 0 | 4.8 | 5.2 | 8.9 | 1.7 | 0 |  | 17 |  | － 2 |  |  | 0 | 7.5 | 5.3 | 2.5 |  | 5 | 0 | 0 | － 8 | 0.6 | － 0 | 0 | 15.4 | 0 | 7.1 | 4.2 | － | － | － |
| $2001-03$ | 11.3 | 38.4 | 4.9 | 0 | 4.2 | 4.3 | 2.3 | 3.7 | 25.4 | － 0 |  | 90 | － 0 | 6.4 | 0.4 | － | 0 | 4.6 | 33，8 | 0 | 4 | 178 | 48 | 1.3 | 95.1 | 0 | 21 | 40.3 | 4.2 | 1.2 | 19.5 |
| 2001－04 | 4.1 | 0 | 6 | 11.5 |  | 26.5 | 12.8 | 18.6 | 6.1 | 3.2 | 2.2 | 1.8 | － 0 | 28.3 | 0.2 | 0 | 26.2 | 1.6 | 0 | 35 | 168.9 | 1.1 | 4.2 | 86.4 | 24.7 | 43.8 | 22.6 | － 0 |  |  | － |
| 2001－05 | 94 | 3.7 | － 0 | 2.7 | 2.5 | 19.1 | 3.7 | －0 | 3.5 | － | 4.1 | 2 | － 0 | 36.8 | 0.5 | 0 | 0 | 0 |  | 1.4 | 2.6 | 0 | 0 | 0 | 0 | 2.6 | 21.5 | 10.4 | －0 | 0 | 2.4 |
| 2001－06 | 14 | 17.5 | 14. | 11.6 | 3.6 | 3.9 | 2.3 | 4.6 | 0.5 | － 0 | 0 | － 5 | － 0 | 0 | － | 0 | 1.1 | 0 | 17.2 | 2.7 | 1.3 | 6.2 | 2.5 | 9.1 | 14.1 | 8.6 | 3.4 | 4.3 | 0.1 | 4.5 | － |
| 2001－07 | 24.3 | 3 | － | 0 | 0 | － | －－ |  |  | 0 | 20.5 | 0.3 | － 0 | 0.2 | 22.1 | 0.4 | 0 | 2.5 | ， | 3.4 | 0.5 | 16.9 | 30.7 | 13.9 | 0.3 | － | － 0 | 0 | －0 | 0.5 | 0 |
| 2001－08 | 0.5 | 0 |  | 47 | 2.6 |  | 1.3 |  | 6 | － 0 | 0 | 0 | －0 | 3.8 | 65.5 | 47.4 | 2.6 | 0 | －0 | 0.9 | 0 | 2 | 0 | － 0 | ． | 0 |  | 0 | 0 | 0 | 0 |
| 2001－09 | － | － | － | 0 | 0 |  | － | － | － | － | 3.5 | 9.4 | 15.5 | 17.9 |  | ， | 0.3 | 7.3 | 33.5 | 29.8 | 1.3 | 0 | 6.3 | 3.6 | 8.4 | 11.8 | － | 3.9 | 3.8 | 2.5 | － |
| 2001－10 | 42.6 | 72.9 | 7.2 |  |  | 41.3 | 0.3 |  |  | 0 |  | 17.4 | 1.4 | 0 | 2.1 |  | 12.7 |  | 1.4 | 0 | 31.2 | 76.8 | 2.1 | － 0 | 0 | 0 | － 0 | 0 | 0 |  |  |
| 2001－11 | 0 | － | － 0 | 0.3 | 81.6 | 0 | 41.9 | 0.5 | 0 | 0.5 |  | － 0 | － 0 | － 0 | 1.6 | 2.5 | 0 | 222.1 | 1.4 | 0 | 0.9 | 0 | 0 | － 0 | 0.6 | 0.3 | 1.7 | 0 | 0 | 0 | － |
| 2001－12 | 5.1 | 10.8 | 3.9 | 50.8 | 17.2 | 68.2 | 2 | 0 | 107.5 | 0.3 | 11.1 | 9.5 | 3.6 | 34 | 30 | 0 | 0 | 0 | 0 | 8.7 | 10 | 0 | 4.1 |  | 2.5 | 0.4 | 4.3 | 0.6 | 0 | 0.2 | 1.6 |
| 2002－01 | ， | 0 | 0 | － | 51.5 | 3.4 | 30.7 | 40.5 | 19.9 | 3.9 | 14.3 | 9.1 | 10.5 | 0 | 31 | － 0 | 0 | 0. | 5.2 | 7.9 | 0.5 | 0.7 | 0 | －0 | 0 | ， | 0 | 0 | －0 | 0.2 | 6.7 |
| 2002－02 | 0 | 0 |  | － 0 | 1.2 | 21.7 | 8.9 | 42 | 13.9 | 23.5 | 6.9 | 5.3 | 0.6 | 3.8 | 0.9 | 3.2 | 3.7 | 11.2 | 153 | 14.1 | 10.9 | 71.5 | 13.7 | 17.7 | 0 | 4.2 | 11.1 | 5.7 | － | － | － |
| 2002－03 | 7.4 | 0 | 10.5 | ［ 0 | 5.5 | 3.4 | 16.4 | 10 | 20.3 |  |  | 6.2 |  | 25.6 |  | － 8 | 0 | 0 | 38.2 | 36.5 | 7.5 | 45 |  | 0 | 2.8 | 2.9 | 94.2 | 8 | 48 | 20.4 | 11 |
| 2002－04 | 0 | 0 | 29.7 | 0.5 | － 0 | 0 | 1.1 | 15.3 | 0.7 | 114.5 | 45.5 | 13.6 | 11.5 | 16.2 | 6.7 | －0 | 9.1 | 0.2 | 7.2 | 2.8 | 100.2 | 1.1 | 15 | 38.5 | 96 | 6 | 17. | 44 | 27.5 | 8.6 | － |
| 2002－05 | 2.7 | 10.4 | 12.3 | 9 | 8.2 | 6.3 | 0.7 | 4.3 | 6.3 | 39.4 | 0 | － 0 | 0 | 14.8 | 5.5 | －0 | 0 | 0 | 0 | 0.2 | 3.4 | 0 | 0 | － 0 | 0 | 4 | 0 | 0.5 | 39.1 | 11 | 1.7 |
| 200206 | 1.2 | 24.4 | ， | ， | 0 | 0 | － 8 | ， | 0． | 0 | 4.1 | 0 | － 0 | 11 | 0.3 | 0.9 | 0 | 0 | 0 | 2.5 | － 0 | 0 | 0 | 6.1 | 18.5 | 1.1 | 0.5 | 0 | 8.5 | 2.4 | － |
| 2002－07 | 1 | 15.6 | 8.7 | 6.7 | 0 | 0 | 4.7 | 16.2 | 24.8 | 8.2 | 30.8 | 13 |  |  | － 0 |  | 3.1 | 0 | － | 5.9 | 8.3 |  | 0.5 | 0 | 5 | 1.7 | 1.3 | － 0 | － 0 | 0 |  |
| 2002－08 | 0 | 0 | 1.8 | ， | 0 | 0 | 0 | 0.5 | 0.7 | 30 | 29.4 | 27.6 | 11.1 |  |  | 14.7 | 0 | 3.1 | 18.5 | 25 | 4.3 | 3.7 | 0.3 | － 0 | 1.7 | － 0 | 0.7 | 1.1 | － 0 | 54 | 52 |
| 2002－09 | 14.8 | 12.2 | 4 | 7.3 | 1.1 | 0. |  | 0 |  | O |  | 23.7 | 138.5 | 9.2 | 3.2 | 57.1 | 51.4 | 0.9 | 0 | 0 | 0.2 | 7.5 | 5 | 1.8 | 58.8 | 0 | O | 1.9 | － 0 | 0 | － |
| $2002 \cdot 10$ | 0 | 0 | 0 | 0.3 | 1 | 7 | 18．5． | 14］ | 0. | 0.4. | 3.8 | 1.5 | 7.9 | 0.9 | 21.8 | 3.2 | 0.1 | 63 | － 2 | － | 0 | 2.2 | 2.2 | $1-0$ | 0 | 0 | －0］ | 0 | 5.3 | 0.7 | 0 |

## Appendix 4 Weather observation data at 6 sites in Viti Levu South area（39）

Tokotoko－Na＇Relative Humidity

|  | 1 1日 | 2日 | 3 19 | 4日 | 5 日 | 6日 | 7日 ${ }^{\text {日 }}$ | 88 － 9 | ［9日 | 10日 | 111 | 12日 | 13日 | 14日 | 15日 | 16 B | 17 17 | 189 | 19 星 | 20日 | 21日 | 22 星 | 23日 | 24日 | 25日 | 26 日 | 27日 | 28日 | 29日 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01 | 94 | 84 | 78 | 95 | 588 | 80 | 92 | 81 | 79 | 79 | 85 | 95 | 77 | 67 | 80 | 82 | 96 | 91 | 95 | 89 | 77 | 80 | 96 | 93 | 91 | 84 | 89 | 82 |  | 77 |  |
| 1999－02 | 95 | 91 | 77 | 84 | 4 － 89 | 91 | 87 | 91 | 91 | 95 | 88 | 95 | 90 | 88 | 91 | 91 | 91 | 97 | 88 | 85 | 95 | 84 | 88 | 74 | 69 | －73 | 88 | 92 |  | － |  |
| 1999－03 | 77 | 84 | －77 | 77 | 77 | 66 | 79 | 77 | 77 | 81 | 84 | 81 | 79 | 76 | 77 | 74 | 77 | 77 | 77 | 72 | 70 | 91 | 88 | 77 | 77 | 79 | 82 | 89 | 77 | 74 | 73 |
| 1999－04 | 81 | 85 | －81 | 96 | 6 － 82 | 75 | － 93 | 81 | 77 | 79 | 90 | 77 | 87 | 81 | 78 | 81 | 90 | 91 | 88 | 95 | 84 | 88 | 81 | 74 | 92 | 95 | 84 | 77 | 80 | 74 | － |
| 1999－05 | 90 | 82 | － 80 | 87 | 782 | 79 | 95 | 70 | 69 | 64. | 76 | 95 | 91 | 92 | 68 | 84 | 84 | 79 | 91 | 76 | 91 | 89 | 97 | 79 | 72 | 57 | 61 | 68 | 67 | 88 | 90 |
| 1999.06 | 79 | 76 | － 91 | 83 | $3{ }^{3}$ | 90 | 87 | 82 | 78 | 90 | 70 | 74 | 79 | 79 | 84 | 77 | 69 | 84 | 87 | 96 | 91 | 91 | 86 | 80 | 82 | 69 | 86 | 79 | 83 | 76 |  |
| 1999－07 | 96 | 82 | 78 | 77 | 7－87 | 82 | 83 | 95 | 87 | 87 | 87 | 75 | 82 | 87 | 91 | 93 | 85 | 87 | 79. | 84 | 95 | 77 | 80 | 90 | 76 | 92 | 77 | 98 | 88 | 91 | 95 |
| 1999－08 | 86 | 91 | 86 | 77 | － 83 | 74 | 92 | 98 | 91 | 84 | 82 | 90 | 69 | 87 | 78. | 91 | 91 | 70 | 84 | 87 | 80 | 76 | 95 | 82 | 91 | 79 | 89 | 87 | 83 | 84 | 91 |
| 1999－09 | 95 | 87 | 82 | 84 | 4.91 | 79 | 83 | 83 | 79 | 76 | 78 | 73 | 84 | 77 | 80 | 76 | 82 | 76 | 72 | 86 | 92 | 76 | 79. | 76 | 93 | 93 | 79 | 79 | 79 | 59 |  |
| 1999－10 | 87 | 69 | －82 | 84 | 4 － 84 | － 84 | － 83 | 84 | 82 | 90 | 80 | 83 | 95 | 76 | 67 | 77 | 81 | 95 | 88 | 95 | 95 | 88 | 86 | 86 | 72. | 90 | 74 | 82 | 79 | 95 | 87 |
| 1999－11 | 83 | 80 | －80， | 84 | 4． 84 | 84 | 84 | 81 | 91 | 82 | 76 | 80 | 83 | 95 | 87 | 91 | 91. | 74 | 84 | 79 | 77 | 91 | 90 | 87 | 87 | 91 | 88 | 90 | 77 | 91 | － |
| 1999－12 | 95 | 87 | －87 | 91 | 191 | 84 | －84 | 84 | 95 | 95 | 84 | 90 | 91. | 77 | 95 | 88 |  | 81 | 81 | 84 | 81 | 81 | 78 | 84 | 79 | 82 | 69 | 95 | 84 | 84 | 74 |
| 2000－01 | 75 | 71 | 91 | 88 | － 80 | 84 | 85 | 75 | 80 | 88 | 91 | 88 | 78 | 81 | 95 | 80 | 75 | 81 | 78 | 77 | 77 | 72 | 91 | 84 | 77 | 67 | 77 | 77 | 84 | 84 | 88 |
| 2000－02 | 91 | 78 | －84 | 88 | 89 | 86 | 76 | 88 | 88 | 91 | 95 | 73 | 88 | 81 | 91 | 84 | 82 | 95 | 84 | 79 | 83 | 90 | 84 | 91 | 92 | 88 | 81 | 85 | 81 | － | － |
| 2000－03 | 78 | 84 | 81 | 77 | 78 | 83 | 3 74 | 74 | 88 | － 93 | 82 | 95 | 89 | 80 | 81 | 80 |  | 79 | 92 | 80 | 81 | 81 | 77 | 92 | 81 | 84 | 78 | 88 | 91 | 80 | 88 |
| 2000－04 | 82 | 91 | －88 | 84 | 41 | 95 | － 91 | 69 | 80 | 84 | 80 | 80 | 88 | 88 | 86 | 88 | 89 | 82 | 89 | 77 | 83 | 95 | 81 | 81 | 76 | 90 | 78 | 76 | 97 | 90 | － |
| 2000－05 | 91 | 89 | － 91 | 95 | $5 \quad 94$ | 70 | 84 | 91 | 70 | 84 | 84 | 77. | 80. | 88 | 88 | 86 | 91 | 83 | 73. | 79 | 73 | 84 | 86 | 96 | 94 | 91 | 76 | 88 | 85 | 68 | 74 |
| 2000－06 | 91 | 79 | － 72 | 71 | 1.98 | 95 | 93 | 97 | 91 | 76 | 74 | 85 | 84 | 88 | 86 | 91 | 95 | 95 | 88 | 89 | 85 | 84 | 93 | 91 | 72 | 75 | 91 | 81 | 99. | 75 |  |
| 2000－07 | 86 | 72 | 75 | 95 | － 95 | 91 | 93 | 81 | 85 | 75 | 59 | 65 | 82 | 76 | 64 | 93 | 87 | 79 | 95 | 81 | 80 | 72 | 72 | 71 | 86 | 71 | 63 | 61 | 67 | 83 | 79 |
| 2000－08 | 86 | 90 | －85 | 93 | 3 81 | 78. | 70. | 66. | 86 | 90 | 85 | 82 | 95 | 93 | 72 | 91 | 56 | 69 | 83 | 91 | 87 | 84 | 80 | 83 | 76 | 93 | 76 | 71 | 78 | 89 | 76 |
| 2000－09 | 78 | 68 | － 79 | 82 | 2 87 | 93 | 91 | 80 | 80 | 74 | 76 | 69 | 70 | 95 | 79 | 71 |  | 90 | 89 | 95 | 76 | 91 | 95 | 80 | 71 | 83 | 95 | 84 | 67 | 91 | － |
| 2000－10 | 83 | 91 | － 84 | 80 | － 85 | 69 | 78 | 73 | 78. | 95 | 91 | 95 | 95 | 64 | 62 | 67 | 62 | 95 | 77 | 79 | 64 | 63 | 72 | 95 | 75 | 76 | 71 | 75 | 56 | 53 |  |
| 2000－11 | 84 | 80 | － 69 | 96 | －78 | 86 | 73 | 70 | 77 | 75 | 87 | 70 | 96 | 82 | 95 | 73 | 95 | 87 | 83 | 75 | 72 | 87 | 77 |  | 88 | 74 | 77 | 84 | 77 | 84 |  |
| 2000－12 | 96 | 83 | 3 90 | 77 | 7.80 | 91 | 87 | 91 | 81 | 91 | 95 | 95 | 80 | 74 | 87 | 69 | 69 | 67 | 75 | 82 | 88 | 76 | 70 | 74 | 74 | 71 | 77 | 74 | 95 | 84 |  |
| 2001．01 | 72 | 77 | 84 | 74 | 4 78 | 72 | － 71 | 73 | 78 | 74 | 78 | 85 | 86 | 88 | 88 | 81 | 74 | 75 | 81 | 84 | 88 | 84 | 83 | 83 | 82 | 85 | 77 | 78 | 68 | 81 | 81 |
| 2001－02 | 78 | 78 | －89 | 85 | －77 | 74. | －71 | 77 | 78 | 84 | 80 | 74 | 81 | 81 | 82 | 72 | 72 | 92 | 84 | 78 | 71 | 87 | 81 | 71 | 74 | 78 | 77 | 88 | － | － |  |
| 2001－03 | 81 | 80 | － 88 | 74 | －67 | 77 | － 74 | 77 | 84 | 91 | 71 | 79 | 88 | 84 | 78 | 84 | 80 | 89 | 86 | 77 | 69 | 87 | 91 | 88 | 84 | 87 | 80 | 88 | 91 | 83 |  |
| 2001－04 | 82 | 84 | －81 | 85 | 52 | 81 | － 84 | 92 | 81 | 74 | 75 | 73 | 78 | 88 | 83 | 95 | 79 | 91 | 88 | 84 | 78 | 76 | 91 | 91 | 84 | 78 | 91 | 77 | 92. | 84 |  |
| 2001－05 | 83 | 87 | －48 | 80 | － 74 | 81 | 95 | 87 | 79 | 83 | 91 | 79 | 89 | 93 | 81 | 69 | 70 | 67 | 52 | 61 | 70 | 75 | 82 | 73 | 77 | 58 | 84 | 91 | 85 | 80 | 83 |
| 2001－06 | 93 | 68 | 82 | 95 | － 87 | 87 | 81 | 92 | 70 | 71 | 64 | 88 | 71 | 68 | 78 | 82 | 79 | 89 | 82 | 93 | 75 | 88 | 83 | 93 | 89 | 83 | 87 | 91 | 70 | 78 | － |
| 2001－07 | 91 | 86 | －84 | 82 | 278 | 66 | 79 | 87 | 83 | 79 | 64 | 89 | 91 | 70 | 74 | 83 | 79 | 79 | 78 | 92 | 83 | 89 | 95 | 95 | 81 | 48 | 52 | 63 | 67 | 82 | 79 |
| 2001－08 | 91 | 93 | －87 | 89 | 95 | 84 | 81 | 80 | 72 | 82 | 70 | 56 | 66 | 93 | 90 | 95 | 84 | 70 | 81 | 80 | 69 | 70 | 87 | 74 | 73 | 74 | 79 | 79 | 80 | 83 | 72 |
| 2001－09 | 85 | 76 | －65 | 56 | － 50 | 72 | 82 | 91 | 86 | 81 | 83 | 91 | 87 | 79 | 81 | 70 | 65 | 79 | 81 | 91 | 87 | 89 | 87 | 79 | 78 | 82 | 83 | 76. | 82 | 84 | － |
| 2001－10 | 83 | 日9 | 95 | 73 | －88 | 77 | 81 | 83 | 78 | 69. | 72 | 76 | 67 | 69 | 63 | 75 | 89 | 94 | 82 | 77 | 73 | 98 | 84 | 88 | 62 | 64 | 69 | 69 | 61 | 72 | 69. |
| 2001－19 | 84 | 78 | 81 | 74 | －77 | 80 | 84 | 86 | 73 | 70 | 76 | 68 | 73 | 69 | 84 | 85 | 77 | 80 | 91 | 79 | 69 | 67 | 63 | 70 | 80 | 81 | 69 | 65 | 69 | 79 |  |
| 2001－12 | 81. | 74 | 89 | 89. | ． 84 | 84 | 80 | 74 | 88 | － 84 | 80 | 80 | 77 | 88 | 74 | 75 | 67 | 72 | 70 | 80 | 95 | 82 | 88 | 83 | 81 | 92 | 94 | 83 | 74 | 71 | 78 |
| 2002－01 | 78 | 74 | － 74 | 69 | 9 73 | 75 | 76 | 79 | 86 | － 88 | 81 | 88 | 95 | 93 | 81 | 84 | 65 | 72 | 74 | 83 | 88 | 92 | 82 | 71 | 78 | 74 | 72 | 69 | 68 | 91 | 77 |
| 2002－02 | 79 | 74. | － 75 | 78 | －81 | 92 | 83 | 90 | 96. | － 92 | 92 | 97 | 97 | 96 | 94 | 92 | 89 | 82 | 96 | 92 | 91 | 90 | 95 | 91 | 89. | 73 | 78 | 81 |  | － |  |
| 2002－03 | 84 | 78 | 84 | 78 | － 92 | 79 | 79 | 87 | 89 | 9 92 | 96 | 96 | 96 | 90 | 96 | 96 | 96 | 96 | 79 | 94 | 92 | 88 | 88 | 77 | 79 | 82 | 84 | 91 | 92 | 92 | 92 |
| 2002－04 | 81 | 83 | 78 | 78 | 84 | 81 | 71 | 81 | 88 | 79 | 83 | 93 | 81 | 88 | 86 | 73 | 81 | 80 | 73 | 76 | 71 | 95 | 80 | 78 | 92 | 80 | 88 | 92 | 87 | 88 |  |
| 2002－05 | 93 | 87 | 95 | 83 | 95 | 97 | 97 | 80. | 90 | O8 | 82 | 92 | 92 | 93 | 85 | 95 | 76 | 95 | 85 | 68 | 83 | 91 | 80 | 79 | 95 | 95 | 81 | 76 | 87 | 87 | 80 |
| 2002－06 | 87 | 82 | 76 | 71 | －63 | 64 | －68 | 69 | － 71 | 190 | 76 | 87 | 83 | 87 | 83 | 95 | 90 | 88 | 91 | 89 | 85 | 76 | 83 | 87 | 86 | 95 | 87 | 97 | 85 | 91 |  |
| 2002－07 | 91 | 89 | 86 | 93 | 3 85 | 91 | 85 | 84 | 87 | 7 91 | 89. | 95 | 88 | 78 | 78 | 81 | 84 | 77 | 90 | 58 | 73 | 89. | 83 | 87 | 82 | 86 | 87 | 86 | 66 | 56 | 59 |
| 2002－08 | 69 | 58 | －61． | 61 | － 57 | 79 | 72 | 82 | 91 | 1 － 81 | 87 | 90 | 91 | 90 | 81 | 76 | 90 | 84 | 96 | 95 | 91 | 95 | 87 | 83 | 93 | 87 | 86 | 88 | 95 | 74 | 98 |
| 2002－09 | 92 | 87 | － 93 | 83 | －731 | 60 | －67 | 69 | 79 | － 72 | 79 | 84 | 95 | 95 | 81 | 81 | 95 | 86 | 79 | 87 | 79 | 91 | 87 | 91 | 95 | 85 | 87 | 96 | 98 | 95 |  |
| 2002－10 | 95 | 91 | － 91 | 95 | － 95 | 71 | －83 | 90. | － 74 | － 95 | 95 | 84 | 87 | 77 | 86 | 77 | 85 | 83 | －95］ | 74 | 68 | 76 | 75 | 80 | 88 | 91 | 85 | 95 | 88 | 77 | 91 |

Appendix 4 Weather observation data at 6 sites in Viti Levu South area（40）

|  | 19 | 2日 | 3 B | $4{ }^{\text {昌 }}$ | 5日 | 6 6 | 旦 | 18日 | 9日 | 10 B | 111 | 121 | 13 日 | 14 旦 | 15 B | 16 B | 178 | 18日 | 19日 | 208 | 21 1－ | 22 星 | 23 － | 24 日 | 25 日 | 26日 | 278 | 28日 | 29日 | 300 | 31日 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1999－01 | 230. | 260 | 230 | 0 | 50 | 80 | 90 | 90 | 200 | 290 | 50 | 90 | 90 | 90 | 20 | 300 | 300 | 20 | 90 | 360 | 90 | 20 | 40 | 320 | 50 | 0 | 360 | 270 | 90 | 320 | 90 |
| 1999－02 | 90 | 40 | 90 | 20. | 300 | 50 | 50 | 40 | 270 | 50 | 290 | 270 | 30 | 300 | 270 | 270 | 320 | 360 | 250 | 320 | 320 | 90 | 100 | 90 | 90 | 90 | 70 | 80 | － | － |  |
| 1999－03 | 90 | 90 | 320 | 90 | 90 | 90 | 80 | 90 | 270 | 90 | 90 | 80 | 290 | 70 | 90 | 90 | 90 | 90. | 90 | 80 | 110 | 130 | 270 | 110. | 50 | 90 | 90 | 80 | 90 | 90 | 90 |
| 1999－04 | 90 | 70 | － 80 | 310 | 120 | 20 | 360 | 270 | 300 | 310 | 280 | 120 | 120 | 90 | 30 | 90 | 260 | 300 | 130 | 360 | 90 | 90 | 270 | 230 | 300 | 90 | 270 | 270 | 70 | 90 |  |
| 1999－05 | 90 | 50 | 270 | 90 | 280 | 90. | 90 | 110 | 90 | 90 | 90 | 90 | 90 | 90 | 110 | 130 | 50 | 90 | 90 | 90 | 90 | 60 | 80 | 90 | 80 | 90 | 90 | － 90 | 130 | 90 | 40 |
| 1999－06 | 80 | 20 | 270. | 80. | 60 | 290 | 90 | 360 | 20 | 70 | 100 | 110 | 130 | 270 | 0 | 130 | 70 | 60 | 160 | 150 | 90 | 340 | 70 | 90 | 90 | 70. | 70 | 70 | 90 | 90 | －- |
| 1999－07 | 130 | － 90 | 70 | －50 | 90 | 90 | 90 | 90. | － 90 | 130 | 70. | 130 | 110 | 90. | 110 | 90 | 70. | 250 | 20. | 90 | 90 | 90. | 180 | 330 | 30 | 70. | 90 | 360 | 220 | 270 | 230 |
| 1999－08 | 20 | 90 | 50 | 70 | 110 | 170 | 70 | 300 | 130 | 90 | 100 | 110 | 90 | 310 | 130 | 270 | 130 | 90 | 90 | 70 | 140 | 100 | 90 | 90 | 100 | 90 | 20 | 20 | 90 | 50 | 90. |
| 1999－09 | 130 | 70 | 90 | 90 | 130 | 270 | 270 | 50 | 270 | 220 | 110 | 70 | 90 | 110 | 90 | 100 | 170 | 110 | 110 | 180 | 50 | 90 | 90 | 100 | 20 | 80 | 90 | 100 | 130. | 100 |  |
| 1999－10 | 90 | 70 | 210 | 100 | 90 | 90 | 90 | 100 | 130 | 90 | 230 | 240 | 230 | 180 | 180 | 70 | 20. | 70 | 130 | 100 | 90 | 100 | 90 | 70 | 80 | 110 | 100 | 110 | 100 | 90. | 50 |
| 1999－11 | 40 | 100 | 90 | 90 | 100 | 90 | 20 | 80 | 250 | 278 | 230 | 90 | 90 | 90 | 20 | 70. | 270 | 90 | 90. | 130 | 70 | 180 | 20 | 90 | 20 | 160 | 250 | 290 | 360 | － 0 | －－ |
| 1999－12 | 90 | 110 | 50 | 50 | 90 | 90 | 180 | d | 0 | 270 | 90 | 0 | 60 | 90 | 0 | 90 | 60 | － 0 | 130 | － 0 | 90 | 90 | 90 | － | 140 | 320 | 150 | 360 | 90 | 50 | 70 |
| 2000－01 | 80 | 130 | 270 | 90 | 0 | 130 | 130 | 310 | 300 | 130 | － 0 | 130 | 0 | 90 | 50 | 50 | 70 | 90 | 90 | 90 | 90 | 50 | 70 | 20 | 50 | 280 | － 0 | 90 | 50 | 90 | 0 |
| 2000－02 | 90 | 90 | 300 | 270 | 310 | 130 | 120 | 270 | 100 | 90 | 310 | 50 | － 0 | 270 | 90 | 270 | 130 | 360 |  | 90 | 360 | 300 | 270 | 90 | 50 | 320 | 90 | 20 | 50 |  |  |
| 2000－03 | 50 | 210 | 270 | 270 | 90 | 90 | 90 | 80 | 270 | 310 | － 0 | 270 | 90 | 90 | 80 | 90 | 320 | 180 | 50 | 270. | 90 | 70 | $90)$ | 40 | 90 | ， | 90 | － 0 | 270 | 280 | 27 |
| 2000－04 | ， | － 0 | 320 | 270 |  | 270 | 320 | 270 | 290 |  | 120 | 100 | 360 | 100 | 270 | 20 | 320 | 320 | 360 | 70 | 90 | 0 | 90 | 90 | － 0 | 270 | 100 | 100 | 20 | 50 | －－ |
| 2000－05 | 20 | 50 |  |  | 20 | 340 | 330 | 0 | 90 | 50 | 70 | 80 | 90 | 50 | 80 | 90 | 360 | 20 | 60 | 80 | 90. | 70 | 270 | 270 | － 0 | 270 |  | 50 | 50 | 20 | 360 |
| 2000－06 | 0 | 50 | 50 | － 0 | 140 | 140. | 90 | 360 | 90 | 130 | 90 | 50 | 270 | 90 | 360 | 360 | 90 | 90 | 50 | － 0 | 90 | 110 | 130 | 130 | 130 | 70 | 80 |  | 130 | 180 |  |
| 2000－07 | 300 | 360 | 0 | 270 | 50 | 360 | 0 | 20 | 360 | 90 | 140 | 100 |  | 60 | 20 | 270 |  | 270 | 90 | 270 |  | 130 | 90 | 90 | 160 | 90 | 90 | 70 | 10 | 360 | 50 |
| 2000－08 | 360. | 90 | 90 | 80 | 180 | 270 | 20 | 120 | 90 | 50 | 50 | 50 | 310 | 40 | 90 | 50 | 80 | 50 | 90 | 270 | 90 | 180 | 270 | 100 | 60 | 50 | 90 | 90 | 70 | 320 | 360 |
| 2000－09 | 360 | 180 | 90 | 270 | 40 | 60 | 50 | 100 | 90 | 100 | － 0 | 90 | 90 | 90 | 130 | 100 | 80 | 130 | 130 | 110 | 90 | 0 | 90 | 90 | 90 | 70 | 90 | 90 | 80 | 90 | － |
| 2000－10 | 90 | 90 | 90 | 50 | 90 | 90 | 90 | 120 | 90 | 90 | 90 | 90 | 90 | 130 | 130 | 130 | 90 | 80 | 130 | 230 | 220 | 90 | 130 | 100 | 50 | 130 | 120 | 50. | 120 | 80 | 90 |
| 2000－19 | 80 | 50 | 90 | 90 | 90 | 80 | 70 | 50 | 20 | 230 | 0 | 130 | 360 | 90 | 90. | 90 | 90 | 130 | 130 | 130 | 90 | 90 | 90 | 90 | 130 | 130 | 170 | 270 | 360 | 90 |  |
| 2000－12 | 90 | 130. | 90 | 80 | 360 | 360 | 30 | 270 | 90 | 90 | 110 | 270 | 230 | 250 | 270 | 130 | 130. | 110 | 100 | 90 |  | 270 | 100 | 90 | 100 | 90 | 90 | － 90 | 360 | 90 | 100 |
| 2001－01 | 90 | 130 | 100 | 90 | 90 | 110 | 90 | 180 | － | 130 | 90 | 110 | 130 | 90 | 90 | 20 | 130 | 170 |  | 90 | 90 | 70 | 80 | 90 | － 90 | 270 | 270 | 300 | 360 | 180 | 90 |
| $2001-02$ | 90 | 90 | 90 | 130 | 270 | 270 | 130 | 270 | 90 | 100 | 90 | 90 | 180 | 0 | 300 |  | 0 | 110 | 20 | 50 | 90 | 360 | ， | 90 | 50 | 90 | 360 | 270 | － | － | － |
| $2001-03$ | 0 | 270 | 260 | 280 | 270 | 90 | 70 | 90 | 90 | 360 | 50 | 100 | 50 | 60 | 90 | 270 | 0 |  | 320 | 90 | 80 | 70 | 50 |  | 90 | 30 | 90. | 90 | 90 | 60 | 90 |
| 2001－04 | 70 | 80 | 90 | 70 | 80 | 40 | 10 | － 0 | 0 | 270 | － 0 | 270 | 100 | 90 | 100 |  | 90 | 90 | 320 | 270. | 20 | 140 | 180 | 90. | 90. | 90 | 80 | 50 | 130 | 50 |  |
| 2001－05 | 80 | 50 | 60 | 40 | 0 | 90 | 360 | 40 | 70 | 360 | 0 | 70 | 80. | 270 | 100 | 90 | 90 | 90 | 90 | 130 | 70 | 20 | 300 | 90 | 300 | 90 | 80 | 20 | 9. | 360 | 360 |
| 2001.06 | 300 | 220 | 90 | 100 | 90 | 110 | 90 | 90 | 100 | 120 | 70 | 270 | 360 | 270 | 310 | 270 | 360 | 360 | 360 | 50 | 90 | 70 | 50 | 360 | 90 | 90 | 80 | 360 | 90 | 130 | － |
| $2001-07$ | 90 | 60 | 20 | 270 | 270 | 300 | 300 | 270 | 300 | 50 | 350 | 250 | 130 | 130 | 50 | 180 | 60 | 270 | 270 | 300 | 270 | 270 | 10 | 120 | 90 | 90 | 90. | 90 | 80 | 20 | 50 |
| 2001.08 | 90 | 20 | 0 | 90 | 360 | 50 | 90 | 70 | 90 | 330 | － 0 | 130 | 90 | 90 | 90 | 70 | 270 | 180 | 270 | － 0 | 80 | 90 | 50 | 80 | 90. | 90 | 270 | 80 | 90 | 0 | 270 |
| $2001-09$ | － | 230 | 90 | 90 | 130 | 50 | 270 | 50 | 90 | 80 | 70 | 60 | 20. | 110 | 100 | 110 | 80. | 90 | 90 | 80 | 70 | 90 | 90 | 230 | 100 | 90 | 90 | 90 | 90 | 90 |  |
| 2001－10 | 70 | 50 | 360. | 30 | 90 | 100 | 100 | 130 | 100 | 50 | 80 | 180 | 110 | 90 | 90 | 70 | 100 | 90 | 70 | 70 | 90 | 30 | 280 | 270 | 250 | 130 | 230 | 90 | － 90 | 90 | 50 |
| 2001－11 | 70 | 80 | 130 | 110 | 50 | 90 | 90 | 50 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 130 | 90 | 270 | 90 | 90 | 90 | 80 | 90 | 90 | 180 | 110 | 270 | 80 | 100 | －- |
| 2001－12 | 110 | 100 | 80 | 90 | 90 | 80 | 90 | 90 | 280 | 180 | 90 | 80 | 90 | 40. | 140 | 260 | 270 | 180 | 100 | 230 | 360 | 100 | 90 | 90 | 130 | 120 | 90. | 90 | 130 | 130 | 160 |
| 2002－01 | 130 | 70 | 90 | 50 | 90 | 110 | 70 | 90 | 360 | 180 | 130 | 270 | 70 | 90 | 130 | 360 | 90 | 90 | 130 | 130 | 50 | 90 | 50 | 50 | 50 | 90 | 90 | 90 | － 50 | 360 | 32 |
| 2002－02 | 270 | 110 | 100 | 0 | 100 | 90 | 0 | 360 | 130 | 120 | 70 | 80 | 90 | 80 | 90 | 90 | 90 | 130 | 180 | 130 | 270 | 0 | 300 | 90 | 270 | 180 | 0 | 90 | － | － | － |
| 2002－03 | 270 | 270 | 50 | 40 | － 0 | 270 | 80 | 270 | 310 | 310 | 360 | 270 | 100 | 270 | 270 | 270 | 290 | 180 | 90 | 360 | 90 | 90 | 300 | 300 | 270 | 90 | 50 | 360 | 130 | 130 | 360 |
| 2002－04 | 360 | 270 | 100 | 90 | 270 | 270 | 220 | ， | 230 | 270 | 50 | 50 | 50 | 90 | 100 | 110 | 110 | 110 | 90 | 120 | 120 | 50 | 90 | 70 | 70 | 60 | 90 | 90 | 30 | 50 | －－ |
| 2002 －05 | 60 | 270 | 140 | 120 | 90 | 70 | 80 | 90 | 360 | 90 | 90 | 320 | 270 | 320 | 90 | 360 | 90 | 130 | 290 | 90 | 40 | 50 | 20 | 360 | 360 | 360 | 90 | 70. | 60 | 90 | 30 |
| 2002－06 | 40 | 40 | 140 | 90 | 90 | 90 | 90 | 110 | 80 | 310 | 70 | 50 | 60 | 90 | 100 | 100 | 80 | 70 | 80 | 90 | 270 | 70 | 270 | 280 | 90 | 90 | 70 | 50 | 360 | 120 |  |
| $2002-07$ | 360. | 100 | 110 | 30 | 80 | 200 | 70 | 360 | 90 | 90 | 80 | 360 | 340 | 300 | 290 | 20 | 40 | 90 | 80 | 130 | 130 | 60 | 80 | 270 | 60 | 50 | 270 | 360 | 360 | 100 | 90 |
| 2002－08 | 90 | 80 | 90 | 80 | 70 | 90 | 320 | 230 | 360 | 130 | 90. | 90 | 90 | 90 | 90 | ， | 250 | 0 | 90 | 100 | 90 | 80 | 90 | 90 | 90 | 90 | － 0 | 270 | 230 | 90 | 90 |
| 2002．09 | 90 | 90 | 100 | 80 | 90 | 90 | 110 | 120 | 70 | 80 | 100 | 90 | 70 | 50 | 90 | 90 | 140 | 100 | 270 | 270 | 130 | 130 | 90 | 90 | 90 | 90 | 100 | 90 | 90 | 80 | －－ |
| 2002－10 | 90 | 100 | 90 | 90 | 130 | 100 | 130 | 100 | 100 |  | 90 | 90 | 90 | 100 | 80 | 100 | 50 | 80 | 96 | 70 | 60 | 90 | 360 | 110 | 140 | 180 | 90 | 90 | 110 | 90 | 180 |

## Appendix 4 Weather observation data at 6 sites in Viti Levu South area (41)



Appendix5 Chemical analysis data of stream sediment samples (1)


## Appendix5 Chemical analysis data of stream sediment samples (2)



Appendix5 Chemical analysis data of stream sediment samples (3)


Appendix5 Chemical analysis data of stream sediment samples (4)


## Appendix5 Chemical analysis data of stream sediment samples (5)



Appendix5 Chemical analysis data of stream sediment samples (6)


Appendix5 Chemical analysis data of stream sediment samples (7)

|  | Easting | Northing |  | $\begin{array}{\|l\|l\|} \hline A_{u}-1 C P 21 \\ A_{u} \end{array}$ | $\frac{7 \mathrm{Hg}_{\mathrm{K}}-\mathrm{CV} 41}{1 \mathrm{Hg}} \frac{\mathrm{ME}}{\mathrm{Ag}_{\mathrm{g}}}$ | ME-ICP61 | $\begin{aligned} & \text { iME-ICP61 } \\ & \text { AI } \end{aligned}$ | $\begin{aligned} & \text { ME-ICP61 } \\ & \hline A_{s} \end{aligned}$ | $\begin{aligned} & \text { 1ME-ICPt } \\ & \hline \mathrm{Ba} \end{aligned}$ | B6 1 ME-ICP61 <br> Be | $\frac{11 \mathrm{ME}-1 \mathrm{CP}}{\mathrm{Bi}} \mathbf{6 1}$ | 1ME-ICP61 | ME-ICP6 <br> Cd | 1ME-ICP61 | 1ME-ICP61 |  | 1ME-ICP6 |  | ME-ICP61 | IME-ICP61 | ME-ICP61 | 1ME-ICP6 | IME-ICP61 |  | $\begin{array}{ll} 11 \mathrm{ME}-1 \mathrm{CP} 61 \end{array}$ |  | 1ME-ICP61 | 1ME-ICP61 | 1ME-1CP61 | $\frac{1 T M E-I C P 6 T\| \|}{V}$ | \|ME-ICP61 | $\frac{1 \mathrm{ME}-1 \mathrm{CP6} 61}{\mathrm{Zn}}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SampleNo un | Easting | Northing |  | ${ }_{\text {apm }}$ | ${ }_{\text {pgm }}^{\mathrm{Hg}}$ | ${ }_{\text {prom }}$ |  | ${ }_{\text {ppm }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ${ }_{\text {pim }}^{\text {Ni }}$ | $\mathrm{popm}^{\text {p }}$ |  | $\frac{5}{8}$ | ${ }_{\text {pom }}^{\text {sb }}$ |  |  |  |  |  |
|  | 1912550 | 3875590 | Navua | <0.001 | 0.01 | 0.5 |  |  |  | $50 \quad 1.1$ | <2 | 0.91 | 4.5 |  |  |  | 4 25.0 | 0.24 | 0.45 | 3510 |  | 0.59 |  |  |  | $5<0.01$ | < | 48 |  |  |  |  |
| RR187 | 1912525 | 3875180 | Navua | 0.004 | $4<0.01$ | 0.5 | 4.39 |  |  | 40.1 .3 | <2 | 2.47 | 1.6 | 6.27 | 7-767. | 30 | 16.59, | ? 0.26 | 1.24 | 1820 |  | 0.97 |  | 60 |  | 0.05 | <5 |  | 51.44 |  | <10 |  |
| RR188 | 1911427 | 3874577 | Navua | <0.001 | 0.01 | 0.5 |  |  |  | 70.1 .1 | $1<2$ | 1.64 | 0.8 | . 8 - 28 | 386 |  | 13.55 | 5 0.74 |  |  |  | 0.9 |  |  |  |  |  |  | 7.1 .1 |  | - 10 |  |
| RR189 |  |  | Navua |  | 80.01 |  |  |  |  | 80.1 .3 |  |  | 析 |  | 793 |  |  |  |  |  |  |  |  |  |  |  |  |  | - 1.35 | 473 |  |  |
| RR190 |  |  | Navua | 20.001 | $<0.01$ | 0.5 | 4.68 |  |  |  |  | 2.45 |  |  |  |  | 21.3 |  |  |  |  | 0.98 |  | -10 |  |  |  |  | 4 1.12 | 738 |  |  |
| RR191 | 1915710 | 3876920 | Navua | $<0.001$ | <0.01 | 0.5 |  |  |  | $50-1.5$ |  | 1.74 | 5.2 | 23 33 | -183 | 34 | 425.0 | 0.24 | 0.98 | - 2930, |  | 0.79 |  | <10 |  | 4. 0.08 |  | 97 | 1.59 | 1532 | 10 |  |
| RR191-1 | 1915710 | 3876920 | Nava | 0.001 |  | 0.5 |  | <5 |  | $50 \quad 1.3$ |  | 1.59 |  |  |  |  |  | 0.23 | 0.9 | ${ }^{2290}$ |  |  |  |  |  |  |  |  |  |  | - 10 |  |
| RR192 | 1907715 | ${ }^{3875242}$ | Navua | -0.003 | . $0.01<0$ |  | 5.39 |  |  |  |  | 1.61 |  |  | 542 |  |  | 0.29 | 1.01 |  |  | 0.87 |  |  |  |  |  |  | -1.3 | 747 | - 10 |  |
| RR193 | ${ }^{1909378}$ | 38742961 | Novaa | 0.049 | <0.01 <0 | 0.5 | 6.07 |  |  | 60.0 .7 |  | 2.01 |  |  | ${ }^{935}$ | 56 | 19.08 | 8-0.48 |  |  |  | 1.01 |  |  |  |  |  | 89 | ${ }^{9} \quad 0.79$ | 66 | 10 |  |
| RR194 | 1909659 | 3874340 N | Nava | 0.002 |  | 0.5 |  | <5 |  | $70<0.5$ | <2 | 2.55 |  |  | 370 |  | 11 | 1 0.47 | 1.73 |  |  | 1.36 |  | 310 |  | 4. 0.04 |  |  | 4.1 .03 | , | - 10 |  |
| RR195 | 1908406 | 3874399 N | Nava | 0.001 |  |  | 4.73 | <5 |  |  |  | 1.45 |  |  | 2381 |  | ${ }^{15} 36$ | 0.27 | 0.78 |  |  | 0.54 |  | 10 |  | $7<0.0$ |  | ${ }^{54}$ | 4) 0.49 | 411 |  |  |
| RR196 | 1906779 | 3873574 | Nava | 0.001 |  |  |  |  |  | $50<0.5$ | $<2$ |  | 0.5 | 23 | 284 | ${ }^{27}$ | 7.14 | 0.31 |  |  |  | 0.98 |  | 210 |  | 9.0 .02 |  |  | 60.85 |  | - 10 |  |
| RR197 |  |  | Navua | 0.001 |  |  |  |  |  |  | <2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4. 0.01 |  |  | 10.96 | 434 | 10 |  |
| RR198 | 1905748 |  | Navua | 0.001 | 0.01 | 0.5 | 7.16 |  |  |  |  | 2.57 |  |  |  |  | 9.49 |  |  |  |  | 1.73 |  |  |  |  |  |  | - 0.95 |  |  |  |
| RR199 | 1906432 | 3876390 | Navua | 0.001 |  |  | 8.48 |  |  | $120<0.5$ |  |  |  |  | 401 | 44 | 8.07 | 70.78 |  |  |  | 2.66 |  |  |  | 0 0.01 |  | 118 | 18.0 .76 | 311 | 10 |  |
| RR200 | 1907269 | 3877673 | Navua | 0.001 |  |  | 8.09 |  |  | $100<0.5$ | <2 | 2.33 |  | 5 29 |  | 55 | -9.08 | 3 0.68 | 1.96 | 1596 |  | 2.18 | ${ }^{38}$ | 330 | - 10 | 0.0 .01 |  | $1-88$ | 8) 0.89 | 339 | - 10 |  |
| RR201 | 1907363 | 38777728 | Navua | $<0.001$ | $<0.01<$ |  | 4.13 |  |  | ${ }^{60} 100.5$ | <2 | 1.01 |  |  |  |  |  | - 0.38 |  |  |  |  | 14 | 190 | 11 | 1 - 0.01 |  |  | $3{ }^{1.14}$ | ${ }^{997}$ |  |  |
| RR201-1 | ${ }^{1907363}$ | ${ }_{3}^{3877728}$ | Navua | <0.001 | $<0.01$ | 0.5 |  |  |  | $70<0.5$ | <2 | 1.05 |  |  | 307 | 18 | ( ${ }^{16.57}$ | ( 0.45 |  | - 1606 |  | 0.99 | 13 | 200 |  | ${ }^{6}$ |  |  | 5 1.04 | ${ }_{503}^{85}$ | - 10 |  |
| $\frac{\mathrm{RR202}}{}$ | 1908545 | ${ }^{38775268}$ | Navua | 0.001 |  |  |  |  |  |  | <2 | 0.67 | 0.6 |  | 444 | 22 | 11.43 | 0.31 |  | 1599 |  | 0.52 |  |  |  | $1<0.01$ | \% |  |  |  | -10 10 |  |
| $\stackrel{\text { RR203 }}{ }$ | 1905338 |  | Navaa | 0.001 |  |  | 8.82 |  |  |  | $<2$ |  | $<0.5$ |  |  |  | 8.22 | 2-0.56 | 2.62 | 1580 |  | 232 |  |  |  | 0<0.01 | <5 |  | 0.8 |  | <10 |  |
| RR204 | -1904681 | 3875170 | Navua | 0.014 | $4<0.0$ | 0.5 |  |  |  |  | <2 |  | <0.5 |  |  | 55 | 9.19 | -0.31 |  |  |  |  | 5 | ${ }^{210}$ |  | 0.16 |  |  | $6 \quad 0.8$ | 454 | 10 |  |
| RR205 | 1904412 | 3875219 | Nava | 0.001 |  |  |  |  |  |  | <2 |  | $<0.5$ |  | 410 |  | 8.85 | [ 0.33 | 0.8 |  |  |  |  | $\stackrel{130}{ }$ |  | 0 |  |  |  | 419 | - 10 |  |
| RR206 | ${ }^{1903951}$ | 3875938 | Navua | <0.001 |  |  | 8.01 < |  |  | $70<0.5$ | <2 | 2.53 |  | $9 \quad 41$ | 1405 | 54 | 8.64 | - 0.26 | 2.17 | 1711 |  | 2.2 | ${ }^{88}$ | 250 |  | 0.01 |  |  | 9. 0.77 | 308 |  |  |
| RR207 | $\stackrel{1890037}{180085}$ | ${ }_{38783795}{ }^{38759}$ | Navua |  |  |  | 8.7 |  |  |  |  | 5.43 |  | $1 \quad 34$ | - 1474 | 50 33 | - 8.52 | 20.08 | 1.82 208 | 1692 |  | 2.17 | $\begin{array}{r}50 \\ 43 \\ \hline\end{array}$ | ${ }^{280}$ |  | ${ }_{7} 9.0 .01$ |  | $5{ }^{5} \quad 206$ | - 0.48 | 198 |  |  |
| RR209 | 1891145 | 3878528 | Navua | <0.001 |  |  | 6.98 |  |  | $80<0.5$ | <2 | 2.79 |  | 1.31 | 1327 | 48 | $\frac{8.9 .9}{10.9}$ | 0.54 | 2.64 | 1955 |  |  |  | 360 |  | 20.01 | 12 | 2 ${ }^{128}$ | 1.11 |  |  |  |
| RR210 | 1891176 | 3878478 N | Navua | 0.001 | $0.01<0$ |  | 6.4 |  |  | 90.0 .5 | ¢2 | 1.13 |  | 20 | 631 | 25 | - 7.35 | -0.66 | 1.28 | 1658 |  | 1.17 | 22 | 280 | - 10 | 0.0 .01 | 11 | 1 -66 | 6 - 0.92 | 281 |  |  |
| RR211 | 1894664 | 3875384 | Navua | 0.001 | $<0.01$ < | 0.5 |  |  |  |  |  | 3.95 |  | $6 \quad 25$ |  |  |  |  |  |  |  | 1.73 | 35 |  | 14 | 4. 0.01 |  | $9 \quad 160$ | - 1.08 | 375 |  |  |
| RR211-1 | 1894664 | 3875384 | Navua | 20.001 | $<0.01$ | 0.5 |  |  |  | 50<0.5 | <2 | 3.99 |  |  | 893. |  | 8.66 | - 0.34 |  | 1586 |  |  | ${ }^{35}$ |  |  | 0.01 |  | 163 | 3 1.04 |  | - 10 |  |
|  | 1894620 | 3875371 | Nava | 0.00 | 0.01 | 0.5 |  |  |  |  | <2 |  |  |  |  | 42 | ${ }^{14.34}$ | - 0.25 | 1.55 |  |  |  |  | ${ }^{200}$ |  | 3. 0.02 |  |  | 5 1.12 | 811 | 10 |  |
| RR213 | 1895264 | 3874989 N | Navua | <0.001 |  |  |  |  |  | ${ }_{50}<0.5$ | <2 |  | $<0.5$ |  |  |  | 1.76 | . 0.27 |  | 1452 |  | 3.08 | 30 |  |  | 8.0 .02 |  | 161 |  |  | , |  |
| RR214 | 1895560 | 3875260 | Navua | 20.001 |  |  |  |  |  | $60<0.5$ | <2 | 2.98 |  |  | 1266 |  | 10.22 | 2.41 |  |  |  |  |  |  |  | 0.02 |  |  | 1.04 | 435 | $5-10$ |  |
| RR215 | 1895889 | 3875101 | Navua | <0.001 | 0.01 | 0.5 | 2.52 |  |  | $20<0.5$ | <2 | 1.41 |  |  |  |  | 25.0 | 0.06 |  | 2981 |  |  | 0 |  |  | 0.01 |  |  | 0.86 |  |  |  |
| $\mathrm{R}^{\text {RR216 }}$ | 1875254 | 3872251 | Coastal | <0.001 | $0.01<0$ |  | 7.81 |  |  | ${ }^{50} 00.5$ | <2 | 3.2 |  | ${ }^{32}$ |  |  |  | $7 \quad 0.31$ | 2.11 | 1092 |  | 1.98 | 8 | 170 |  | 8 - 0.01 |  | 167 | -0.62 | 304 |  |  |
| $\frac{\mathrm{RR217}}{\mathrm{R} 218}$ | 1875275 | ${ }^{38722040}$ | Coastal | <0.001 | $<0.01<$ | 0.5 |  |  |  |  |  | 3.54 |  |  |  |  | 10.16 | - 0.33 | 1.34 | 1832 |  | 2.09 | 31 | $\frac{120}{20}$ |  |  |  | 145 | 10.12 | 540 |  |  |
|  | 1875490 <br> 187593 | ${ }^{3887050384}$ | Coastal | <0.001 | ${ }_{0}<0.01-<0$ |  |  |  |  | $160<0.5$ $90<0.5$ | <2 | 1.47 <br> 2.73 |  | $7 \quad 11$ | - $\begin{array}{r}128 \\ \hline\end{array}$ | 12 <br> 21 | 6.98 6.86 | 3--1.04 |  | 1019 |  |  | $\stackrel{15}{29}$ | 200 130 |  | ${ }^{1<0.01}$ |  |  |  | ${ }_{3}^{248}$ |  |  |
|  | 1875034 | 3869250 | Coastal | 0.006 | <00.01-<05 | 0.5 | 6.5 |  |  | $70 \times 0.5$ | <2 |  |  | 17. | 7. 120 |  | 4.38 | - 0.6 | 1.57 |  |  | 2.83 | 28 | 220 |  |  |  | 1052 | $2-0.48$ |  |  |  |
| RR221 | ${ }^{1873624}$ | ${ }^{38691393}$ | oastal | <0.001 | <001 | 0.5 | 7.75 |  |  | $20<0.5$ | <2 |  |  | 8 26 | ${ }^{303}$ | 19 | ${ }_{6}^{6.36}$ | 6 0.66 | 1.15 |  | <1 | 2.72 | 41 | 170 |  |  | < ${ }^{5}$ | 201 | . 0.65 |  | $6<10$ |  |
| RR221-1 | 1873624 | 3869139 | oastal | 00.001 | 0.01 | 0.5 | 7.37 |  |  | $130<0.5$ | <2 |  |  |  | 292 |  | 6.46 | - 0.67 | 1.19 |  |  |  |  | 170 |  | 90.02 |  | 211 | 1 0.66 |  |  |  |
| RR222 | 1872170 | ${ }^{3869993}$ | oastal | <0.001 |  |  | 4.68 |  |  | 60. 0.5 | <2 | 9.83 |  |  | 257 |  | 10.56 | - 0.48 | 1.7 | 1340 |  | 1.94 | 33 | 330 | ${ }^{25}$ | 5.0 .15 |  | 1494 |  |  | $2-10$ |  |
| RR223 | 1869627 | 38872467 | sigatoka | 00.001 |  |  |  |  |  | $100<0.5$ | <2 | 2.6 | $<0.5$ |  | ${ }^{124}$ |  |  | 3 0.69 | 1.58 | 1234 |  | 2.01 | 23 |  |  | ${ }^{6}-0.05$ |  |  | - 0.87 | 374 |  |  |
|  | 1869820 | ${ }^{3870766}$ S | Sigatoka | 0.001 |  |  |  |  |  | $40<0.5$ | $<2$ |  |  |  |  |  | 6725.0 | 0.23 | 2.25 |  |  |  |  |  |  | 0.0 |  |  |  | 1345 |  |  |
|  | 1873076 | 3875949 | iigatoka | 0.001 |  |  | 7.75 |  |  | $180<0.5$ | <2 | 3.31 |  |  |  |  | 5.6 .66 | 0.94 | 2.01 | 112 |  | 172 | 23 | 580 |  |  |  | 315 | $5-0.61$ | 280 | 10 |  |
| - $\begin{array}{r}\text { RR226 } \\ \hline \text { RR227 }\end{array}$ | 1873074 <br> 1873095 | ${ }_{38776684}^{388}$ | Sigatoka | <0.001 0.001 |  |  | ${ }_{8}^{6.64}$ |  |  | 140<0.5 | <2 | $\begin{array}{r}3.06 \\ 3.23 \\ \hline\end{array}$ |  |  | 24- $\quad \begin{array}{r}313 \\ 66\end{array}$ |  |  |  | 2.07 1.76 |  |  |  | $\stackrel{42}{22}$ |  |  |  |  |  |  |  |  |  |
| RR228 | 1875391 | 387931 | Sigatoka | 0.003 | 0.01 | 0.5 | 7.57 |  |  | $140<0.5$ | <2 | 2.67 | 0.5 | 29 | -105 | 52 | 2-7.24 | 0.74 | 1.84 |  |  | 2.05 | ${ }_{27}$ |  |  | ${ }_{8} \times 0.01$ |  | $\stackrel{235}{ }$ | $5 \quad 0.53$ | $\stackrel{276}{ }$ |  |  |
| RR229 | 1874814 | 3882931 | Sigatoka | <0.001 | <0.01 |  | 5.05 |  |  | $50<0.5$ | ${ }^{2}$ | 3.83 |  | 64. | . 963 |  |  | 1 0.3 | 2.62 | 2479 |  | 0.9 | 47 | 40 |  | $6<0.01$ | 16 | 16 | - 0.79 | 697 |  |  |
| RR230 | 1876426 | 3883607 | igatoka | 20.001 | <0.01 | 0.5 | 9.08 |  |  | $70<0.5$ | <2 |  | <0.5 |  | 125 |  | 9.27 | - 0.67 |  |  |  | 1.72 | 21 |  |  | 0.01 | 45 | 222 |  | 212 |  |  |
| RR231 | 1877007 | 3884509 | igatoka | 0.001 | <0.01 | 0.5 | 6.95 |  |  | $70<0.5$ | $<2$ | 5.01 |  | 644 | 1422 |  | 6.10 .64 |  | 3.98 |  |  | 1.18 | -90 | 250 |  | <0.01 |  | $5 \quad 198$ | 8. 0.41 | 172 | - 10 |  |
| RR231-1 | 1877007 | 3884509, | izatoka | 0.001 | $0.03<0$ |  | 6.9 |  |  | $70<0.5$ | $<2$ | 5.23 |  | $3{ }^{3}-46$ | 1568 |  | 11.07 | 0.69 |  | 2078 |  | 1.19 | 92 | 210 |  |  |  | 197 |  |  | - 10 |  |
| RR232 | 1877051 | 3884469 | igatoka | <0.001 | <0.01 |  | 7.48 |  |  |  |  |  |  |  |  |  | 11.57 | 0.44 |  |  |  |  | 24 | 330 |  |  |  | 10262 |  | 294 | - 10 |  |
|  | ${ }^{18773585}$ | ${ }^{38830773}$ S | iigatoka | <0.001 | $<0.01$ |  | 5.86 |  |  | 60. 0.5 | <2 | 3.96 |  | 6.44 |  | 21 |  | 0.38 | 2.36 |  |  | 1.09 |  | ${ }^{290}$ |  | ${ }^{9}<0.01$ |  | $7 \quad 175$ | [ 0.67 | 460 | 10 |  |
| RR234 |  |  |  |  | ${ }^{20.01}$ |  |  |  |  |  |  |  |  | 7 7 31 |  | 42 <br> 32 |  <br> 1.91 <br> 8.04 |  |  |  |  | 1.07 1.19 | 35 48 | 310 400 |  |  | 6 |  |  | ${ }_{216}^{303}$ | 10 |  |
| RR236 | 191122 | 3909290 S | Sigatoka | 00.001 | $<0.01-<0$ |  | 6.69 |  |  |  | <2 | 1.94 | <0.5 |  | - 18 | 13 | - 3.96 | 1.35 | 1.46 |  |  | 1.32 |  | 560 |  |  |  | 79 | -0.48 |  | <10 |  |
|  | 1910947 | 3909200 | igatoka | 20.001 | 0.01 |  |  |  |  | $70<0.5$ | <2 | 5.07 |  |  | 932 |  | 20.3 | . 0.76 |  | 2084 |  | 0.58 | ${ }^{98}$ | 590 |  |  |  |  |  |  | - 20 |  |
| RR238 | 1910384 | 3908691 - | igatoka | 0.001 | $0.01<0$ |  |  |  |  | $130<0.5$ | <2 | 1.93 |  |  | 52 |  | - 9.86 |  | 1.72 |  |  |  |  | 530 |  |  |  |  | - 0.84 | 391 | 10 |  |
|  | 19109964 | -3083308 | igatoka | 0.013 | <0.01 <0 | 0.5 |  |  |  |  | $<2$ |  |  | $1-58$ |  | 48 | 8.16 .14 | . 0.93 | 3.43 | 2031 |  |  | ${ }^{48}$ | 680 | - 17 |  | - 9 | $9-256$ |  | ${ }^{921}$ | 10 |  |
| RR240 | 1909988 | ${ }^{30061485}$ | jigatoka | 0.003 | $30.01-$ | 0.5 |  |  |  |  |  |  |  |  |  |  | 10.59 | 1.34 |  |  |  |  | 23 | 480 | - 14 | 4. 0.12 | - 12 | 2. 209 |  |  | 10 |  |
| $\frac{R R 241}{100911}$ | ${ }_{1}^{1909664} 1$ | 3906036 3906036 | Sigatoka | 0.001 | $<0.01{ }_{0} 01 \times 1<0$ | 0.5 | -5.61 |  |  |  | <2 | 2.97 |  | 3 5 58 | $\begin{array}{r}220 \\ 192 \\ \hline\end{array}$ | - ${ }^{48}$ | 196.67 |  |  |  |  | 1.49 <br> 1.83 | ${ }^{30}$ | 5380 |  | $18 \quad \frac{0.31}{031}$ |  | 5-102 | 20.8 | 716 | , 10 | - ${ }^{270}$ |
| RR242 | 1909633 | 3905802 | jigatoka | 0.002 | <0.01 < | 0.5 |  |  |  |  |  |  | <0.5 | ${ }_{25}$ | ${ }_{183}$ |  | $4 \quad 10.46$ | ${ }^{1.42}$ | 1.3 | 1236 |  | ${ }_{1}^{1.31}$ | ${ }_{22}$ | ${ }_{340}$ | 10 | 10 0.01 |  | ${ }_{6} \quad 135$ | - 1.53 | ${ }_{4} 789$ | 10 |  |
| RR243 | 1903422 | 3896799 | igatoka | 00.001 | $<0.01$ - <0 | 0.5 | 6.95 |  |  | ${ }^{80}$ <0.5 | ${ }^{2}$ | 2.71 |  | $3 \quad 26$ | 118 | 36 | 8.23 | 0.56 | 1.81 |  |  | 2.05 | 28 | - 400 | 0 | 4.0 .04 |  | $9 . \quad 144$ | - 0.49 | 264 | - 10 |  |
| RR244 | 1904123 | 3896469 | igatoka | 00.001 | <0.01 | 0.5 | 8.15 |  |  |  |  |  |  |  |  |  |  | 0.6 | 2.68 |  |  | 2.64 | 27 | 500 |  | $8<0.01$ |  |  |  |  |  |  |
| RR245 <br> R2246 | 1904915 |  | Egatoka | 0.001 | $<{ }_{<0.01}^{<0.01}$ | 0.5 | ${ }_{3.37}^{0.79<}$ |  |  | 20 ${ }_{50}<0.5$ | <2 | 0.6 2.9 |  |  | 163 107 |  |  | 0.1 0.31 | ${ }_{1}^{0.31}$ |  |  |  | 13 <br> 12 |  |  |  |  |  |  | -1040 |  |  |
| RR247 | 1905625 | ${ }^{3895517 / 5}$ | jigatoka | <0.001 | <0.01 < | 0.5 | 4.86 < |  |  | $90<0.5$ | <2 | 3.12 |  | 8.29 | 98 | 17 | 16.73 | 0.55 | 1.85 | 2748 |  | 1.41 | 11 | 130 |  |  | 6 | $6-91$ | 1.0 .79 | 549 | 10 |  |
| RR248 | ${ }^{1905477}$ | ${ }^{38999664}$ S | sigatoka | <0.001 | $<0.01-<0$ |  | 3.24 |  |  | $40<0.5$ | <2 | 2.73 |  | 2.44 | 139 |  | 9255 | 0.29 | 1.86 |  |  |  | 13 | 130 |  | $6<0.01$ |  | 8 - 14 | - 0.7 |  | 20 |  |
| RR249 | ${ }^{1905503}$ | 3899944. | Sigatoka | 0.001 | $<0.01-<0$ |  |  |  |  | $100<0.5$ |  |  |  | $2 . \quad-24$ |  |  | 18. 11.74 |  | 1.62 |  |  | 2.19 | 14 | 640 | - $\quad 10$ |  |  |  |  |  |  |  |
| RR250 | 1903192 <br>  <br> 18108 | 3897662 S | Sigatoka | <0.001 | $<0.01<0$ | 0.5 | 5.15 |  |  | ${ }^{90<0<0.5}$ | $<2$ | $\begin{array}{r}3.33 \\ \hline 23\end{array}$ |  | 4 -26 | 85 |  |  | [ $\quad 0.56$ | 1.64 |  |  |  | 11 | 250 380 | - $\quad 13$ |  | 13 | 3- $\frac{109}{105}$ | - 0.96 | 684 | 10 | $0-149$ |
| RR251-1 | ${ }_{1}^{18991087}$ | ${ }^{39078099}$ |  | ${ }^{0.0001}$ | $<{ }^{<0.01}<$ |  |  |  |  |  | <2 | ${ }^{2.93} 3$ |  | $1{ }^{1}+32$ | $\begin{array}{r}149 \\ 180 \\ \hline\end{array}$ | 45 | - 9.85 |  | 2.25 | 1439 1697 |  |  | $\stackrel{25}{29}$ | 380 340 |  | ${ }^{3} \quad 0.01$ | 8 | $8{ }^{8}$ | - $\frac{0.95}{1.02}$ | ${ }_{597}$ | 10 |  |
| RR252 | 1891309 | 3908046 | igzatoka | 0.001 | <0.01 < | 0.5 | 3.53 < |  |  | ${ }^{60} \times 0.5$ | <2 | 2.61 | 9.8 | 8 113 | - 77 | 95 | 5, 25.0 | 0.21 | 2.55 |  |  | 0.3 | 40 | 280 |  | $8<0.01$ | 12 | 2-61 | 0.81 | 1256 | 20 | - 386 |
| RR253 | 1892035 | 3906996 S | atoka | 0.001 | $0.01<0$ |  | 6.98 |  |  | $10<0.5$ | <2 | 3.26 |  | $5-28$ | 127 | 26 | 8.04 |  | 1.85 |  |  | 1.36 | 24. |  |  |  |  |  | -0.85 |  | 10 |  |
| RR254 | ${ }^{1892540}{ }_{1} 1892722$ | ${ }_{3907515} 3$ | Sigatoka |  | 0.01 | 0.5 | 4.74 |  |  | 60<0.5 ${ }_{60}$ | <2 | 2.15 |  | $2 \quad 46$ | $\frac{147}{177}$ | 51 44 | - ${ }^{227}$ | 0.34 | 1.55 | ${ }_{2283}^{2284}$ |  | $\stackrel{0.94}{0.93}$ | 34 29 | 130 |  | ${ }^{12} 30.01$ | 14 17 | [14 | - ${ }^{0.84}$ |  |  |  |
| RR256 | ${ }^{1893329}$ | 3907158 S | Sigatoka |  | $1<0.01$ |  | 5.99<< |  |  | $80<0.5$ | <2 | 3.89 |  | ${ }_{3}$ | 109 | 44 | 14.07 | 0.4 |  | 1670 |  | 1.2 | 31 | 400 | - 8 | 8 8 0.01 |  | $8-239$ | 0.97 | 635 | 20 |  |
|  | 1893575 | 3906206 S | Sigatoka | <0.001 | $0.01<0$ |  | 7.65 |  |  | $00<0.5$ | <2 | 3.4 |  | 44 | 236 | 72 | 11.76 | 0.42 | 3.02 | 1207 |  | 0.85 | 50 | 290 |  | $9 \quad 0.01$ |  | 235 | 0.88 | 690 | 10 |  |
| RR258 | ${ }_{1}^{1894355}$ | ${ }^{39055699}$ S | Sigatoka | 0.0001 | $<0.01<0$ |  | 5.93 |  |  | ${ }^{90} 0<0.5$ | <2 | 2.67 | 2.4 | ${ }^{4}-58$ | 210 |  | 17.98 | 0.42 | 2.55 | 1963 |  | 0.96 | 41 | 90 | , | 20.01 |  | 8 163 | - 0.93 |  |  |  |
|  | 1894629 | 39051265 | Sigatoka | 0.001 | $<0.01<0$ | 0.5 | 4.955 |  |  |  | $<2$ | 2.72 |  |  |  |  |  |  |  | 2409 |  | 0.93 | ${ }^{42}$ | 180 |  | $1<0.01$ |  | - 118 | 3 0.94 |  |  |  |
| RR260 | 1894685 | 39051545 | igatoka | 0.007 | 0.01<0 | 0.5 | ${ }_{6} 63 \times$ |  |  | $110<0.5$ | $<2$ | 2.91 | 3.9 | 9 ${ }^{47}$ | 94 | 47 |  |  |  | 1786 |  | 1.18 | ${ }^{27}$ | 410 |  | ${ }^{8}$ | 10 | - 241 | 1.37 | 839 | 10 | - 214 |
| RR261-1 | $\stackrel{1904782}{198782}$ | $\frac{3894095}{} 8$ | Sigigatoka |  |  |  |  |  |  |  | $<2$ | 2.48 | 4.8 | 8 3 | ${ }_{97} 99$ | 16 | $\frac{20.1}{19.1}$ | ${ }_{0}^{0.6}$ | 1.36 1.36 | 2456 <br> 2397 |  | 1.53 <br> 1.53 | 15 <br> 13 | ${ }_{420}$ | 3 | ${ }^{3<0.01}{ }_{0.01}$ | 18 | (18) | 1.17 1.17 | ${ }_{832}^{866}$ | 20 | 60 <br> 150 |
|  | 1904125 | 3892343 S | gatoka | 0.001 | <0.01-<0 | 0.5 | 6.57 < |  |  | ${ }^{80} 0 \cdot 0.5$ | $<2$ | 4.11 |  | $3 \quad 28$ | 80 |  | 10.95 | 0.53 | 2.41 | 1703 |  | 1.62 |  | 780 |  | 0.01 | 10 | - 201 | 1.08 |  | 10 |  |
| RR263 | $\stackrel{1903702}{1903728}$ | ${ }^{3891940,}$ | sigatoka | 0.003 | 20001 $0.01<0$ |  | $\frac{6.71<}{6.81}$ |  |  |  | <2 2 |  |  |  |  | $\stackrel{35}{16}$ | - 8.69 | 0.65 0.31 | 1.67 |  |  | $\begin{array}{r}1.99 \\ \hline 1\end{array}$ |  |  |  | 0.2 | ${ }_{8}^{10}$ | 8- $\quad 130$ | - $\quad 0.75$ |  |  |  |
| 265 | 1904029 | 3892910 S | Sigatoka | 0.001 | $10.01<$ | 0.5 | $5.96<5$ |  |  | $70 \times 0.5$ | <2-1 | - ${ }^{3.86}$ | 4.8 | $8-22$ | - 76 | 15 | [ 14] | 0.32 | 1.48 | 18266 |  | 1.91 | $17]$ | 460 | <2 | 0.01 | -7 | 7 179 | -1.36] | 684 | - 10 |  |

Appendix5 Chemical analysis data of stream sediment samples (8)


