|  |
| --- |
| Supplemental Table. Comparison of WBGT components using Kestrel devices to environmental chamber settings (°C).  |
| **Flag Category** | **Measurement** | **Kestrel\*** | **Chamber** |
| White (< 10) |  |  |  |
|  | Tdb | 11.30 | 10.70 |
|  | Tbg | 11.31 | 11.27 |
|  | Tnwb | 10.43 |  9.92 |
|  | WBGT | 10.63 | 10.27 |
|  |  |  |  |
| Green (10 – 18) |  |  |  |
|  | Tdb | 20.46 | 20.13 |
|  | Tbg | 20.53 | 19.33 |
|  | Tnwb | 16.90 | 16.45 |
|  | WBGT | 17.98 | 17.39 |
|  |  |  |  |
| Amber (18 – 23)  |  |  |  |
|  | Tdb | 25.09 | 24.84 |
|  | Tbg | 25.12 | 25.82 |
|  | Tnwb | 21.07 | 20.61 |
|  | WBGT | 22.28 | 22.08 |
|  |  |  |  |
| Red (23 – 28) |  |  |  |
|  | Tdb | 29.94 | 30.00 |
|  | Tbg | 30.02 | 31.20 |
|  | Tnwb | 25.53 | 25.08 |
|  | WBGT | 26.87 | 26.79 |
|  |  |  |  |
| Black (> 28) |  |  |  |
|  | Tdb | 36.59 | 34.95 |
|  | Tbg | 35.04 | 35.70 |
|  | Tnwb | 29.99 | 29.57 |
|  | WBGT | 31.46 | 31.33 |
| \*Average of all three Kestrel devices used. Measurement details provided in text.  |

Flag categories were set using air temperatures of 35°C (black), 30°C (red), 25°C (amber), 20°C (green), and 10°C (white). Dewpoint temperatures with a relative humidity of 70 ± 10%.