FANNING ISLAND (KIRIBATI)  Altitude: 6 m.
Latitude: 3°54’N  Longitude: 159°23’W
Temperature observation period.: 1961−1980 (20)
Rainfall observation period....: 1957−1980 (24)

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<th>mi</th>
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**BIOCLIMATIC INDICES AND DIAGNOSIS**

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Latitudinal Belt....: Ecuatorial
Continenceity....: Hyperoceanic − High Ultrahyperoceanic
Bioclimate(Variant): TROPICAL PLUVIAL (HYGROPHYTIC)
Bioclimatic Belt....: UPPER INFRATROPICAL LOW HUMID
**FANNING ISLAND (KIRIBATI)** 6 m

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**Water Index Card**

- **Altitude:** 6 m
- **Latitude:** 3° 54’N

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<th>VR</th>
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<th>RE</th>
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<td>866</td>
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**Legend:**
- **R:** Reserve
- **VR:** Variation of the reserve
- **RE:** Real evapotranspiration
- **DF:** Deficit
- **SP:** Superavit
- **DR:** Drainage
- **HC:** Humidity coefficient

**FANNING ISLAND (KIRIBATI)**

3° 54’N 159° 23’W 6 m 20/24 y.

- **T:** 27.9
- **Ic:** 0.8
- **Tp:** 3354
- **M:** 30.6
- **M’:** 37.8
- **m’:** 20.0
- **P:** 2516
- **PE:** 1804

**Tropical Pluvial (Hygrophytic)**

- **Upper Infratropical Low Humid**

**Imbibing:** 18 Nov.
- **Saturation:** 11 Jan.
- **Reserve Use:** 17 Jul.
- **Deficit:** 24 Sep.
FANNING ISLAND (KIRIBATI)
Latitude: 3°54'N   Longitude: 159°23'W   Altitude: 6 m

SUMMARY OF RIVAS-MARTINEZ CLASSIFICATION

Continentality Index
+ Type ................: A. Hyperoceanic
+ Subtype .............: 1. Ultrahyperoceanic
+ Variant .............: a. High

Thermic types
+ Latitudinal zone ....: A. Warm
+ Latitudinal belt ....: 1. Ecuatorial
+ Thermic type ........: A. Warm
+ Thermic subtype .....: 1. Torrid

Bioclimatic types
+ Macrobioclimate .....: A. TROPICAL
+ Bioclimate ..........: 5. PLUVIAL
+ Bioclimatic variant .:
  + Thermic type........: 1. INFRATROPICAL
  + Thermic subtype....: a. UPPER
  + Ombrothermic type ...: 7. HUMID
  + Ombrothermic subtype : b. LOW

Bioclimatic Classification .................: Trhd.Itr.Hum

FANNING ISLAND (KIRIBATI)
Latitude: 3°54'N   Longitude: 159°23'W   Altitude: 6 m

PRECIPITATION PARAMETERS

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Tropical rainfall rhythms: 2 > 1 > 3 > 4

FANNING ISLAND (KIRIBATI)
Latitude: 3°54'N   Longitude: 159°23'W   Altitude: 6 m

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**FANNING ISLAND (KIRIBATI)**

**Latitude:** 3°54’N   **Longitude:** 159°23’W   **Altitude:** 6 m

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### OMBROTHERMIC PARAMETERS

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### Aridity Value Index (AVI)

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<td>978</td>
<td>$978$</td>
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<tr>
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<td>Dec+Jan+Feb</td>
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<td>679</td>
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FANNING ISLAND (KIRIBATI)
Latitude: 3°54’N  Longitude: 159°23’W  Altitude: 6 m

**BIOCLIMATIC INDICES I**

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<th>Index</th>
<th>Formula</th>
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<tr>
<td>CI of Supan (1884) [Tmax-Tmin]</td>
<td>( (Sp) )</td>
<td>0.80</td>
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<tr>
<td>CI of Gorezinski (1920)</td>
<td>( [1.7\cdot Sp/\sin(Lat)-20.4] )</td>
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<td>CI of Conrad (1946)</td>
<td>( [1.7\cdot Sp/\sin(Lat+10)-14] )</td>
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<td>CI of Currey (1974)</td>
<td>( [CI=Sp/(1+Lat/3)] )</td>
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<td>Rainfall Index of Lang (1925)</td>
<td>( [R=P/T] )</td>
<td>90.02</td>
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<td>Aridity Index of Martonne (1926)</td>
<td>( [Ia=P/(T+10)] )</td>
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<tr>
<td>I of Emberger (1930)</td>
<td>( [Q=100\cdot P/(T_{max}^2-T_{min}^2)] )</td>
<td>614.36</td>
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<td>I of Dantin &amp; Revenga (1940)</td>
<td>( [DR=100\cdot T/P] )</td>
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<td>Aridity Index of UNEP</td>
<td>( [I=P/PE] )</td>
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<td>Potential Erosion I of Fournier (1960)</td>
<td>( [K=Pi^2/P] )</td>
<td>50.94</td>
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**FANNING ISLAND (KIRIBATI)**

| Latitude: 3°54’N  Longitude: 159°23’W  Altitude: 6 m
|------------------------------------------|

**BIOCLIMATIC INDICES II**

Bioclimatic classification of Gaussen & Bagnouls (1957)
+ Climate ......: A. Warm and temperate warm
+ Region ......: 6. Termoaxeric (Axeric warm)
+ Thermic type: 1. Megathermic

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<th>P-E ratio</th>
<th>T-E ratio</th>
<th>P-E ratio</th>
<th>T-E ratio</th>
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Precipitation-effectiveness: 95.85  Temperature-efficiency: 150.93

| Moisture Index | 39.48 |
| [MI=100*(P-PE)/PE]                                      |

+ B1. Humid low-humid (20<MI<40)
+ No deficit (0<DI<16.7)

| Index of dryness | 8.51 |
| [DI=100*d/PE]                                    |

+ Strong surplus (20<HI)

| Index of humidity | 47.99 |
| [HI=100*s/PE]                                    |

+ Megathermic (PE>1440)

| Potential Evapotranspiration PE | 1803.85 |
| [PE]                           |

KIRIBATI
Latitude: 3°54’N  Longitude: 159°23’W  Altitude: 6 m

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