

Phytosociological Research Center

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Worldwide Bioclimatic Classification System

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(Adapted to Synoptical Table 30/08/2017)

KINDLEY (BERMUDA IS. -UK-)

Altitude: 4 m.

Latitude: 32°21'N Longitude: 64°41'W

Temperature observation period.: 1984-1994 (11)

Rainfall observation period....: 1984-1994 (11)

(C/mm)	Ti	Mi	mi	M'i	m'i	Pi	Epi
Jan.	17.23	18.89	15.56	22.78	7.78	134.1	41.66
Feb.	17.23	18.89	15.56	23.33	8.89	103.4	40.26
Mar.	17.50	19.44	15.56	23.89	10.00	115.1	50.10
Apr.	18.62	20.56	16.67	25.56	11.11	84.1	61.23
May.	21.39	23.33	19.44	28.33	15.56	90.2	95.01
Jun.	24.17	26.11	22.22	30.56	17.78	146.6	127.38
Jul.	26.39	28.33	24.44	32.78	20.00	114.1	162.26
Aug.	26.95	28.89	25.00	32.22	20.00	152.2	159.97
Sep.	26.39	28.33	24.44	32.22	20.00	144.8	138.12
Oct.	23.89	25.56	22.22	30.56	17.22	179.6	102.79
Nov.	21.11	22.78	19.44	27.22	12.78	130.8	68.01
Dec.	18.89	20.56	17.22	24.44	10.00	130.1	51.11
Year	21.65	23.47	19.81	27.82	14.26	1525	1097.9

BIOCLIMATIC INDICES AND DIAGNOSIS

Thermicity index.....(It):	561
Compensated thermicity index.....(Itc):	561
Simple continentality index.....(Ic):	9.7
Diurnality index.....(Id):	3.9
Annual ombrothermic index.....(Io):	5.87
Monthly dry ombrothermic index.....(Iod1):	4.52
Bimonthly dry ombrothermic index.....(Iod2):	4.36
Three monthly dry ombrothermic index.....(Iod3):	5.03
Four monthly dry ombrothermic index.....(Iod4):	5.26
Annual ombro-evaporation index.....(Ioe):	1.19
Annual positive temperature.....(Tp):	2598
Annual negative temperature.....(Tn):	0
Dry station temperature.....(Td):	575
Positive precipitation.....(Pp):	1525

N. of	P>4T	P:2T-4T	PT-2T	P<T	T<0
Months	12	0	0	0	0

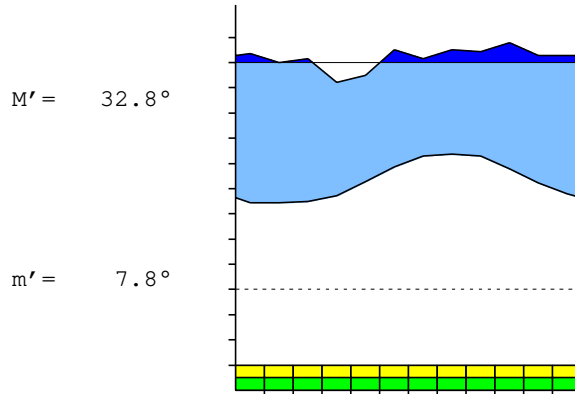
Latitudinal Belt...: Subtropical

Continentalty.....: Hyperoceanic - High Subhyperoceanic

Bioclimate(Variant): TROPICAL PLUVIAL (HYGROPHYTIC)

Bioclimatic Belt...: UPPER THERMOTROPICAL UPPER SUBHUMID

KINDLEY (BERMUDA IS. -UK-) 4 m
 P= 1525 32° 21'N 64° 41'W 11/11 y.
 T= 21.6° Ic= 9.7 Tp= 2598 Tn= 0
 m= 15.6° M= 18.9° Itc= 561 Io= 5.9



TROPICAL PLUVIAL (HYGROPHYTIC)
 UPPER THERMOTROPICAL UPPER SUBHUMID

WATER INDEX CARD KINDLEY (BERMUDA IS. -UK-)
 Altitude: 4 m. Latitude: 32° 21'N

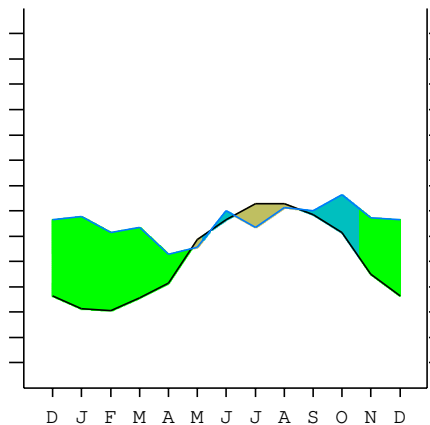
(C/mm)	T	PE	P	VR	R	RE	DF	SP	DR	HC
Jan.	17.2	42	134	0	100	42	0	92	76	2.2
Feb.	17.2	40	103	0	100	40	0	63	69	1.5
Mar.	17.5	50	115	0	100	50	0	65	67	1.2
Apr.	18.6	61	84	0	100	61	0	23	45	0.3
May.	21.4	95	90	-5	95	95	0	0	23	0.0
Jun.	24.2	127	147	5	100	127	0	14	18	0.1
Jul.	26.4	162	114	-48	52	162	0	0	9	-0.2
Aug.	27.0	160	152	-8	44	160	0	0	5	0.0
Sep.	26.4	138	145	7	51	138	0	0	2	0.0
Oct.	23.9	103	180	49	100	103	0	28	15	0.7
Nov.	21.1	68	131	0	100	68	0	63	39	0.9
Dec.	18.9	51	130	0	100	51	0	79	59	1.5
Year	21.6	1098	1525	*	*	1098	0	427	427	*

R = Reserve VR = Variation of the reserve RE = Real evapotranspiration
 DR = Drainage HC = Humidity coefficient DF = Deficit SP = Superavit

KINDLEY (BERMUDA IS. -UK-) 32°21'N 64°41'W 4 m 11/11 y.

T= 21.6 Ic= 9.7 TROPICAL PLUVIAL (HYGROPHYTIC)
 m= 15.6 Tp= 2598 UPPER THERMOTROPICAL
 M= 18.9 Tn= 0 UPPER SUBHUMID
 M' = 32.8 Itc= 561
 m' = 7.8 Io= 5.9
 P= 1525 mm
 PE= 1098 mm

Imbibing	17 Aug.
Saturation	20 Oct.
Reserve Use	9 Jun.
Deficit	



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SUMMARY OF RIVAS-MARTINEZ CLASSIFICATION

Continental Index [A3a]
 + Type: A. Hyperoceanic
 + Subtype: 3. Subhyperoceanic
 + Variant: a. High

Thermic types [A3.A2]
 + Latitudinal zone: A. Warm
 + Latitudinal belt: 3. Subtropical
 + Thermic type: A. Warm
 + Thermic subtype: 2. Warm

Bioclimatic types [A5.2a.6a]
 + Macrobioclimate: A. TROPICAL
 + Bioclimate: 5. PLUVIAL
 + Bioclimatic variant ..:
 + Thermic type.....: 2. THERMOTROPICAL
 + Thermic subtype.....: a. UPPER
 + Ombrothermic type ...: 6. SUBHUMID
 + Ombrothermic subtype : a. UPPER

Bioclimatic Classification: Trhd.Ttr.Shu

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PRECIPITATION PARAMETERS

Warmest semester of the year.....(Pss): 828
 Coldest semester of the year.....(Psw): 698
 Warmest four months period of the year.....(Pcm1): 558
 Following warmest four months period.....(Pcm2): 575
 Positive precipitation dryest 3 months.....(Ppd): 289
 Positive precipitation dryest 2 months.....(Ppd2): 174
 Positive precipitation dryest 1 month.....(Ppd1): 84
 Positive precipitation warmest 3 months.....(Pps): 411
 Positive precipitation warmest 2 months.....(Pps2): 266
 Positive precipitation warmest 1 month.....(Pps1): 152
 Positive precipitation coldest 3 months.....(Ppw): 353
 Positive precipitation coldest 2 months.....(Ppw2): 238
 Positive precipitation coldest 1 month.....(Ppw1): 134

Seasons	Winter Tr1-W	Spring Tr2-P	Summer Tr3-S	Automn Tr4-F
Rainfall	367	289	412	455

Seasonal rainfall rhythms: F > S > W > P

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TEMPERATURE PARAMETERS

Average warmest month [T].....(Tmax): 27.0
 Average coldest month [T].....(Tmin): 17.2
 Maximum temp. warmest month [M].....(Tmmax): 28.9
 Minimum temp. coldest month [m].....(Tmmin): 15.6
 Absolute Max.temp. warmest month [M'].....(Tamax): 32.8
 Absolute Min.temp. coldest month [m'].....(Tamin): 7.8
 First warmest contrasted month [M].....(Tcmax): 20.6 (4)
 First coldest contrasted month [m].....(Tcmin): 16.7 (4)
 Dry station temperature.....(Td): 575
 Positive temperature dryest 3 months.....(Tpd): 575
 Positive temperature dryest 2 months.....(Tpd2): 400
 Positive temperature dryest 1 month.....(Tpd1): 186
 Positive temperature warmest 3 months.....(Tps): 797
 Positive temperature warmest 2 months.....(Tps2): 533
 Positive temperature warmest 1 month.....(Tps1): 270
 Positive temperature coldest 3 months.....(Tpw): 520
 Positive temperature coldest 2 months.....(Tpw2): 345
 Positive temperature coldest 1 month.....(Tpw1): 172

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SEASONAL PARAMETERS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Warmest semester...(Sms)					o	o	o	o	o	o		
Dryest semester....(Smd)		o	o	o	o	o	o					
Warmest 4 months...(Cm1)						o	o	o	o			
Dryest 4 months....(Cmd)		o	o	o	o							
Vegetation Activity(Pav)	o	o	o	o	o	o	o	o	o	o	o	o
Ultragelid...[M' <=0] (Pf)												
Hypergelid...[M <=0] (Pf)												
Gelid.....[T <=0] (Pf)												
Subgelid.....[m <=0] (Pf)												
Pregelid.....[m' <=0] (Pf)												
Agelid.....[m' > 0] (Pf)	o	o	o	o	o	o	o	o	o	o	o	o
HiperAgelid..[all>0] (Pf)	o	o	o	o	o	o	o	o	o	o	o	o

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OMBROTHERMIC PARAMETERS

Annual aridity index.[PE/P].....(Iar): 0.72
 Mediterranean index of July.[PE/P].....(Im1): 1.42
 Mediterranean index of July & August.....(Im2): 1.21
 Mediterranean index of June, July & August....(Im3): 1.09

Months	Dec.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.
Pp(x10)	1301	1341	1034	1151	841	902	1466	1141	1522	1448	1796	1308
Tp	189	172	172	175	186	214	242	264	270	264	239	211
Io (Iom)	6.89	7.78	6.00	6.58	4.52	4.22	6.07	4.32	5.65	5.49	7.52	6.20
Seasons	Winter			Spring			Summer			Autumn		
Pp(x10)/Tp	3676 / 533			2894 / 575			4129 / 775			4552 / 714		
Io (Iot)	6.890			5.032			5.327			6.376		
Semesters	December-May						June-November					
Pp(x10)/Tp	6570 / 1109						8681 / 1489					
Io (Iosm)	5.926						5.830					

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Aridity Value Index (AVI)

[10xPP/TP=IO]: 15251/2598=5.87 **There is No Yearly Aridity**

Months	Dec.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.
Pp [P*10]	1301	1341	1034	1151	841	902	1466	1141	1522	1448	1796	1308
Tp [T*10]	189	172	172	175	186	214	242	264	270	264	239	211
Iom [Pp/Tp]	689	778	600	658	452	422	607	432	565	549	752	620
Avm [200-Iom]	***	***	***	***	***	***	***	***	***	***	***	***
Seasons	Winter			Spring			Summer			Autumn		
Pp / Tp	3676 / 533			2894 / 575			4129 / 775			4552 / 714		
Iot [Pp/Tp]	689			503			533			638		
Avs E[Avm<200]	***			***			***			***		

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BIOCLIMATIC INDICES I

CI of Supan (1884) [Tmax-Tmin](Sp): 9.72
 CI of Gorezinski (1920) [1.7*Sp/sin(Lat)-20.4]: 10.48
 CI of Conrad (1946) [1.7*Sp/sin(Lat+10)-14]: 10.53
 + Hyperoceanic (-20<CI<20)
 CI of Currey (1974) [CI=Sp/(1+Lat/3)]: 0.82
 + Oceanic (0.6<CI<1.1)
 Rainfall Index of Lang (1925) [R=P/T]: 70.45
 + Temperate warm (100>R>60)
 Aridity Index of Martonne (1926) [Ia=P/(T+10)]: 48.19
 + Humid (60>Ia>30)
 I of Emberger (1930) [Q=100*P/(Tmax²-Tmin²)]: 257.39
 + Humid (Q>90)
 I of Dantin & Revenga (1940) [DR=100*T/P]: 1.42
 + Humid (2>DR>0)
 Aridity Index of UNEP [I=P/PE]: 1.39
 + Humid (I>0.65)
 Potential Erosion I of Fournier (1960) [K=Pi²/P].....: 21.15
 + Very low (K<60)

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BIOCLIMATIC INDICES II

Bioclimatic classification of Gaussen & Bagnouls (1957)
 + Climate: A. Warm and temperate warm
 + Region: 6. Termoaxeric (Axeric warm)
 + Thermic type: 2. Macrothermic

Thornthwaite (1948)												
	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
P-E ratio	0.62	0.47	0.52	0.36	0.36	0.58	0.41	0.56	0.54	0.73	0.55	0.57
T-E ratio	7.75	7.75	7.88	8.38	9.63	10.88	11.88	12.13	11.88	10.75	9.50	8.50
Precipitation-effectiveness:	62.59					Temperature-efficiency: 116.89						
Moisture Index [MI=100*(P-PE)/PE]	38.91											
+ B1.Humid low-humid (20<MI<40)												
Index of dryness [DI=100*d/PE]	0.00											
+ No deficit (0<DI<16.7)												
Index of humidity [HI=100*s/PE]	38.91											
+ Strong surplus (20<HI)												
Potential Evapotranspiration PE	1097.88											
+ Forth mesothermic (997<PE<1440)												

