



Table S1. Trends per decade in temperature indices for the period 1981–2015. Statistical significant are set bold color at the 95% significance level.

Station Name.(WMO Code)	TXx	TXn	TNx	TNn	TX10p	TX90P	TN10P	TN90P	SU25	DTR
Bago (48,093)	0.24	0.23	0.43	0.23	−2.54	1.00	0.19	3.32	0.53	−0.01
Bhamo (48,019)	0.33	−0.10	0.41	0.36	−2.01	5.31	−4.30	5.19	10.85	0.05
Bilin (48,100)	0.25	0.23	0.38	0.63	−1.23	2.45	−7.55	1.34	0.20	−0.36
Chauk (48,052)	0.70	−0.28	0.07	−0.46	−0.89	8.91	−1.79	−2.95	0.72	0.78
Dawei (48,108)	0.28	0.17	−0.07	0.05	−1.95	3.83	1.96	−0.21	2.48	0.47
Hinthada (48,087)	0.22	−0.14	−0.07	−0.43	−1.70	2.93	−1.40	−1.22	0.03	0.20
Hkamti (48,004)	0.57	−0.69	−0.09	−1.15	1.10	−0.37	2.17	−7.00	−5.29	0.54
Homalin (48,010)	−0.16	−0.03	−0.08	0.33	0.09	0.70	0.11	2.22	0.49	−0.11
Hpaan (48,099)	0.19	0.08	−0.59	−0.47	−2.72	3.14	5.05	−2.66	0.30	0.72
Kabaaye (48,097)	0.00	0.82	−0.29	−0.50	−2.66	2.85	5.35	−1.63	0.68	0.73
Kalewa (48,025)	0.49	0.90	−0.17	0.26	−1.91	3.59	−1.77	2.29	8.26	0.27
Kawthong (48,112)	0.84	0.21	0.32	0.00	−0.31	7.13	−2.77	4.27	1.56	0.14
Kengtung (48,060)	−0.36	0.52	−0.01	0.09	−0.51	−0.80	0.58	0.10	1.91	0.04
Kyaukphyu (48,071)	0.07	0.40	−0.34	−0.46	−2.09	4.35	2.14	−2.74	2.86	0.54
Lashio (48,035)	0.05	0.43	0.54	0.55	−1.45	3.67	−2.93	1.97	9.32	−0.04
Loikaw (48,075)	0.07	0.00	0.56	0.08	−0.54	5.51	−1.10	3.91	8.14	0.05
Mandalay (48,042)	0.03	0.24	−0.63	0.22	−1.70	3.36	−2.94	1.83	0.38	0.06
Maubin (48,095)	0.19	0.44	−0.41	−1.21	−2.46	4.47	8.61	−1.72	0.98	1.10
Mawlamyine (48,103)	0.25	0.41	0.16	−0.43	−2.00	2.84	−2.00	0.32	2.67	0.20
Meikthila (48,053)	0.28	−0.11	0.07	−0.53	−1.27	2.89	−1.57	2.24	0.10	0.14
Minbu (48,064)	0.43	−0.48	0.11	0.32	0.70	1.94	0.19	4.42	−1.30	−0.16
Mindat (48,045)	0.78	0.39	−0.33	−0.92	−1.92	4.11	7.55	−0.72	14.73	0.95
Mingaladon (48,096)	−0.16	0.46	−0.06	0.20	−0.85	0.27	0.13	1.07	0.58	−0.04
Monywa (48,037)	0.36	0.26	−0.05	−0.04	−2.49	4.84	−0.77	1.05	0.23	0.32
Myeik (48,110)	0.30	−0.12	0.22	0.21	−0.63	2.45	−1.12	2.59	−1.19	−0.05
Myitkyina (48,008)	−0.12	0.07	0.37	1.83	2.40	2.01	−4.79	7.46	−9.49	−1.28
Pathein (48,094)	0.26	0.18	−0.22	0.06	−1.36	4.89	3.94	0.70	0.39	0.47
Putao (48,001)	0.09	0.60	0.16	−0.08	−1.85	1.72	0.99	0.14	11.21	0.39
Pyay (48,077)	0.09	0.65	−0.60	−0.71	−2.15	3.18	6.22	−1.49	0.37	0.80
Pyinmana (48,074)	0.27	0.05	0.22	0.04	−1.17	3.92	−0.87	−0.11	−0.14	0.24
Sittwe (48,062)	−0.62	1.37	0.08	−0.09	−3.66	−0.59	0.26	−1.42	5.33	0.27
Taunggyi (48,057)	0.55	0.20	0.51	0.50	−2.65	5.62	−5.44	5.27	31.22	0.05
Taungoo (48,078)	0.25	0.57	0.36	0.01	−0.70	2.23	−1.29	3.95	0.22	−0.05
Thandwe (48,080)	0.39	0.56	0.56	0.38	−2.33	3.45	−5.53	1.10	1.15	−0.02
Ye (48,107)	0.94	0.57	1.51	1.35	−3.98	6.21	−2.52	6.04	2.95	−0.74

Table S2. Trends per decade precipitation indices for the period 1981–2015. Statistical significant are set bold color at the 95% significance level.

Station Name (WMO Code)	PRCP TOT	RX1 Day	RX5 Day	R10mm	R20mm	CDD	CWD	R95p	R99p
Bago (48,093)	152.52	5.51	14.71	3.10	1.93	−10.17	1.35	50.23	34.60
Bhamo (48,019)	−26.76	8.12	9.21	−1.17	−0.51	2.74	−0.82	5.41	10.21
Bilin (48,100)	210.71	−9.93	4.62	2.64	2.64	−0.94	2.85	91.10	−8.92
Chauk (48,052)	−54.91	−14.25	−18.09	−0.67	−0.94	7.71	−0.05	−48.52	−24.09
Dawei (48,108)	27.49	−13.90	1.11	2.12	1.68	9.13	−3.39	−0.46	−22.75
Hinthada (48,087)	−84.08	−7.15	−2.10	−0.33	−0.87	−6.58	1.51	−94.28	−23.37
Hkamti (48,004)	−280.25	−8.04	−7.42	−3.68	−3.29	10.26	−4.97	5.21	−26.19
Homalin (48,010)	6.26	−2.64	−12.88	0.28	0.58	11.58	1.08	−26.17	−10.61
Hpaan (48,099)	244.94	26.97	48.53	3.14	2.74	1.40	−2.77	134.38	85.11
Kabaaye (48,097)	120.68	13.83	13.54	1.64	2.47	2.07	0.34	74.65	77.13
Kalewa (48,025)	25.24	−0.01	3.85	0.55	0.07	4.48	0.02	8.16	18.13
Kawthaung (48,112)	166.54	1.57	22.69	4.33	2.86	−2.21	1.49	47.06	45.88
Kengtung (48,060)	29.93	1.58	3.46	0.73	0.87	−1.45	−0.24	21.63	6.31
Kyaukphyu (48,071)	362.09	24.34	32.25	3.51	3.02	1.09	1.02	262.06	91.39
Lashio (48,035)	−36.50	−5.63	−1.93	−1.43	−0.52	3.78	−0.33	2.63	3.22
Loikaw (48,075)	99.18	8.45	11.41	1.43	1.92	−6.61	0.64	70.79	47.43
Mandalay (48,042)	76.98	11.70	22.92	1.76	1.64	7.04	0.59	49.08	32.32
Maubin (48,095)	99.27	1.25	9.60	1.99	1.19	−1.17	4.55	34.27	25.16
Mawlamyine (48,103)	132.03	−5.61	3.21	0.40	1.64	0.46	−1.76	98.47	21.76
Meikthila (48,053)	9.16	0.62	7.17	0.14	0.39	−1.75	−0.42	7.61	2.92
Minbu (48,064)	17.09	−1.56	−6.62	1.15	0.45	−0.85	0.05	0.37	−25.24
Mindat (48,045)	64.16	8.99	26.47	1.35	−0.01	2.83	−0.42	70.43	26.67
Mingaladon (48,096)	62.64	16.99	22.80	0.58	1.41	1.28	0.95	53.94	69.49
Monywa (48,037)	49.37	0.11	2.35	1.51	1.52	−1.37	0.41	4.85	−6.76
Myeik (48,110)	231.77	7.08	0.43	5.10	3.06	−3.29	4.88	82.18	59.01
Myitkyina (48,008)	72.26	20.67	12.31	−1.40	1.31	9.34	−2.02	115.96	34.89
Patheingyi (48,094)	104.09	−5.64	14.45	2.78	2.52	1.08	0.43	40.24	−13.61
Putao (48,001)	78.04	−3.03	−4.60	−0.43	0.19	5.87	5.04	121.53	31.97
Pyaw (48,077)	109.33	5.97	19.02	3.22	2.66	3.06	−1.27	75.08	34.39
Pyinmana (48,074)	−3.55	−4.68	−4.85	0.38	0.66	−8.94	−1.36	−11.82	−12.54
Sittwe (48,062)	288.74	19.24	37.87	2.13	1.48	17.73	−2.43	240.12	91.24
Taunggyi (48,057)	−9.29	−8.90	−6.73	0.74	0.16	−1.25	0.08	−34.75	−35.19
Taungoo (48,078)	21.01	2.82	10.91	0.73	1.05	−14.35	−2.06	−15.01	9.58
Thandwe (48,080)	151.09	−2.62	−10.58	3.78	2.63	−3.54	−5.09	55.94	−5.86
Yay (48,107)	219.08	10.57	28.88	3.00	2.03	−5.75	−1.46	131.00	80.55



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