



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 8 AUGUST 1985

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CLIMATOLOGICAL TABLE
FOR JUNE 1985

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for June 1985

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius							Rainfall in Millimetres				Bright Sun-shine		
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum			Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall			
		A Max.	B Min.			Maxi-mum	Date	Mini-mum				Date		Amount	Date
	Metres	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs			
Cape Reinga	191	17.3	11.8	14.6	+1.5	19.0	22	9.2	1	85	14	-38	31	21	..
Aupouri Forest	69	17.3	..	..	..	19.4	5	..	..	119	20	-23	37	21	..
Kaitaia	8	18.2	7.6	12.9	..	20.2	5	3.9	20	164	17	..	61	21	..
Kaitaia	85	17.3	9.1	13.2	..	19.2	5	5.6	11	155	18	..	56	21	145
Kerikeri M A F	79	17.4	8.0	12.7	..	19.2	5	3.8	30	189	23	..	79	21	..
Kerikeri Downs	74	16.7	8.4	12.6	..	19.0	5	5.1	30	188	26	..	80	21	..
Kerikeri Downs 2	74	17.2	8.0	12.6	..	19.2	5	4.1	30	167	25	..	67	21	..
Kerikeri Aerodrome	150	16.6	7.6	12.1	..	19.0	5	4.5	12	162	15	..	74	21	..
Umawera	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Panguru	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaikohe	204	15.5	8.7	12.1	+0.5	18.0	5	5.6	26	141	16	-50	59	21	136
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	16.8	6.7	11.8	+0.4	19.5	4	2.5	12	182	17	-21	45	21	..
Dargaville	20	17.1	6.9	12.0	+0.2	20.6	5	2.1	28	105	12	-52	23	21	117
Waitangi Forest	55	17.1	8.1	12.6	+0.1	19.0	5	3.8	30	155	16	-35	67	21	134
Glenbervie Forest	107	16.6	5.7	11.2	+0.7	19.0	15	0.0	30	208	15	-21	61	21	..
Whangarei Airport	37	16.8	8.2	12.5	+0.4	19.9	5	4.6	28	164	14	-17	40	21	..
Whangarei	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marsden Power Stn	3	17.1	9.1	13.1	+0.4	19.9	5	5.0	28	193	18	+0	40	24	..
Pouto	97	16.3	9.6	13.0	..	18.7	5	6.6	28	111	..	..	20	6	..
Leigh	27	16.9	11.8	14.4	+1.5	19.2	7	9.0	26	148	20	-1	20	16	128
Warkworth	72	16.0	6.8	11.4	+0.4	18.6	7	2.8	20	145	20	-65	27	21	..
Oyster Point	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Woodhill Forest	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Riverhead Forest	28	16.4	6.4	11.4	+0.7	19.9	6	1.1	27	118	12	-53	23	21	..
Kumeu	32	16.6	6.2	11.4	+0.8	20.5	6	0.4	27	122	19	..	22	21	..
Whenuapai	26	16.4	6.7	11.6	+0.8	19.4	7	1.3	30	113	21	-47	22	21	..
Albert Park Auckland	49	16.5	10.1	13.3	+1.2	19.5	6	7.1	27	100	22	-41	29	21	125*
Owairaka, Auckland	41	16.3	8.3	12.3	+1.1	19.6	6	3.3	30	95	20	-55	30	21	..
Port Fitzroy	4	16.9	9.0	13.0	+0.4	18.7	6	6.7	4	298	20	+63	90	23	..
Little Barrier Is	2	16.6	10.5	13.6	..	18.6	7	8.4	28	220	25	+35	34	16	..
Rotorua Is	30	15.7	11.3	13.5	..	18.0	7	9.0	24	146	14	..	33	22	..
Awaroa Valley	30	16.5	8.4	12.5	..	18.8	7	3.4	30	193	20	..	34	23	..
Manukau Heads	244	14.7	10.0	12.4	..	18.2	6	6.2	27	128	20	+0	40	21	..
Coromandel	43	17.0	8.0	12.5	..	19.2	6	3.7	4	305	18	..	78	14	..
Whangapoua Forest	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames	3	16.3	8.6	12.5	+1.4	19.6	5	4.3	27	136	19	+1	40	14	..
Tairua Forest	3	16.0	7.1	11.6	+1.0	20.0	6	2.5	20	341	21	+127	78	14	..
Ngatea	1	16.7	5.5	11.1	..	19.4	7	-2.0	27	189	17	..	60	14	..
Paeroa	4	16.4	6.8	11.6	+1.9	19.5	6	1.4	4	154	20	+17	56	14	..
Waihi	91	15.1	7.0	11.1	+1.4	18.5	4	1.0	30	421	23	+181	150	14	65
Te Aroha	18	16.5	7.2	11.9	+1.7	19.1	6	2.4	20	223	19	+67	92	14	..
Katikati	2	..	7.3	..	..	..	..	3.0	20	284	20	..	71	14	..
Waharoa	60	15.5	6.6	11.1	..	19.2	6	1.8	3	214	17	..	66	14	..
Tauranga	2	15.8	9.2	12.5	+1.6	19.7	6	5.2	20	235	18	+109	37	14	..
Tauranga Airport	4	15.8	7.7	11.8	+1.6	19.3	6	3.7	9	222	18	+92	33	14	89
Te Puke	91	15.0	7.0	11.0	+1.2	19.3	3	1.6	20	351	18	+172	49	14	79
Rotoehu Forest	72	..	5.2	..	..	..	..	0.3	20	384	17	+240	65	22	..
Whakatane Airport	6	15.4	5.4	10.4	+1.5	19.0	3	0.2	27	267	18	+142	39	15	101
Te Kaha	6	16.5	9.1	12.8	..	19.5	2	4.5	19	233	17	..	27	21	..
Port Ohope	9	15.7	8.8	12.3	+1.5	19.3	3	4.9	20	232	15	..	41	6	103
Kinleith	383	12.9	6.1	9.5	+2.1	17.1	4	1.2	27	224	16	+60	39	15	..
Tikitere	338	13.1	6.8	10.0	+1.8	16.9	7	1.4	27	308	22	..	57	15	..
Kawerau	30	15.8	6.8	11.3	+1.6	19.5	6	2.2	27	398	16	+235	143	15	..
Te Teko	8	16.2	6.4	11.3	+1.8	20.9	7	1.8	28	320	17	+181	52	15	93
Rotorua Airport	287	13.6	6.1	9.9	+1.8	17.7	3	0.3	27	276	20	+136	55	15	83
Waiotapu Forest	435	12.3	4.4	8.4	+1.6	16.8	7	-3.1	27	197	21	+59	35	6	..
Atiamuri Power Stn	253	13.4	5.4	9.4	+1.8	17.8	3	-0.5	26	194	20	+67	39	22	..
Kaingaroa Forest	544	11.5	3.6	7.6	+1.3	16.7	4	-2.7	27	215	18	+73	46	15	..
Murupara	198	13.8	4.2	9.0	+1.7	17.8	7	-2.6	27	159	16	+42	35	15	..
Wairapukao Forest	437	12.2	3.2	7.7	+1.9	16.7	4	-3.4	12	159	21	+25	36	22	..
Taupo	376	12.4	..	..	..	16.5	6	..	..	173	23	+59	47	22	62
Wairakei Power Stn	342	12.7	5.0	8.9	+1.4	17.0	6	-1.0	27	185	24	+70	44	22	..
Wairakei Research Stn	402	12.8	4.2	8.5	+1.7	18.2	3	-2.7	27	190	20	+77	43	22	..
Minginui Forest	366	12.8	3.2	8.0	+1.7	16.6	4	-3.7	27	166	18	+34	28	22	..
Taupo Airport	400	12.1	4.1	8.1	+1.2	16.1	6	-2.7	27	128	16	+34	34	22	..
Waimihia Forest	743	9.3	3.0	6.2	+1.4	14.0	4	-2.0	4	181	17	+11	51	22	..
Opotiki	6	15.7	7.6	11.7	+1.8	19.6	3	1.9	20	204	13	+77	39	6	98
Waimana	37	15.8	5.5	10.7	+2.3	21.0	3	-1.5	28	242	15	+81	35	22	..
Mangere Auckland	4	16.3	8.3	12.3	+1.0	19.1	6	2.6	27	88	20	-50	28	21	111
Otara Auckland	12	16.6	7.2	11.9	+1.1	19.3	6	1.4	27	114	20	-18	26	21	..
Auckland Airport	8	16.1	8.8	12.5	+1.3	19.3	7	4.7	27	88	19	-40	26	21	114
Ardmore	30	16.4	6.8	11.6	+1.2	19.1	7	0.9	27	110	21	-36	24	21	..
Pukekohe	82
Maio Forest	52	16.0	7.8	11.9	+0.8	19.3	15	2.7	27	117	20	-39	25	21	..

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		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A	B			Maxi- mum	Date	Mini- mum	Date				Amount	Date	
		Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm	
Hunua	122	15.6	6.4	11.0	..	18.3	6	0.2	27	189	21	..	50	22	..
Maramarua Forest	38	15.8	5.5	10.7	+1.2	19.0	6	-0.4	27	149	19	+17	36	14	..
Te Kauwhata	32	16.0	6.9	11.5	+1.5	19.7	6	0.9	27	139	22	+18	27	14	85
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura Hamilton	40	15.4	6.2	10.8	+1.7	18.6	6	0.6	3	192	19	+61	64	14	87
Whatawhata	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hamilton Airport	50	15.6	5.6	10.6	+1.9	19.0	15	-1.0	3	202	17	+70	77	14	..
Cambridge	76	15.4	6.5	11.0	+2.0	18.3	6	1.5	3	186	18	+69	70	14	..
Mohakatino Stn Mokau	46	14.9	8.7	11.8	+1.4	18.6	5	4.3	26	275	18	+114	85	21	..
Arapuni Power Stn	123	14.6	6.7	10.7	+2.0	17.8	6	1.3	27	226	20	+77	52	14	..
Waikeria	46	15.1	5.5	10.3	+1.8	18.0	6	-1.6	27	187	17	..	50	14	..
Te Kuiti	61	15.0	6.7	10.9	+2.1	19.4	6	0.3	27	268	22	+105	62	14	54
Wairere	122	14.2	5.9	10.1	..	18.0	6	-0.6	27	249	21	+73	55	21	..
Pureora Forest	549	11.5	4.9	8.2	+2.0	16.5	4	-2.3	27	224	24	+33	61	22	..
Mangakahu Valley	397	12.8	5.4	9.1	..	16.0	5	0.5	3	180	19	..	43	22	..
Taumarunui	171	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokirima	152	14.0	4.5	9.3	..	17.4	6	-1.6	26	202	21	..	53	21	..
Omata	61	15.1	9.6	12.4	+1.2	18.0	5	5.3	26	240	21	+97	54	21	..
New Plymouth	55	15.0	8.1	11.6	+1.2	17.4	5	3.1	26	254	21	+78	41	21	..
New Plymouth Airport	27	14.7	7.8	11.3	+1.4	17.1	5	3.7	26	270	22	+120	41	30	96
North Egmont	955	8.5	3.8	6.2	..	12.5	4	0.8	26	891	22	..	152	21	..
Te Wera Forest	180	13.7	4.7	9.2	+1.7	16.2	5	-2.4	26	259	19	+88	60	21	..
Lower Retaruke	223	13.8	4.8	9.3	+1.8	16.4	3	-2.1	26	202	17	+58	59	21	..
Turangi	366	12.4	3.9	8.2	+1.1	16.4	6	-3.5	27	239	19	+74	38	22	92
Chateau, Mt Ruapehu	1097	8.7	1.8	5.3	..	12.9	4	-2.3	27	227	..	..	53	21	..
Hukanui	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	12.7	4.3	8.5	+1.7	16.5	12	-1.6	28	276	17	+44	65	21	..
Waingawa Masterton	114	13.9	5.0	9.5	+1.8	18.0	5	1.1	28	152	16	+53	47	22	91
Kopua	311	12.2	4.8	8.5	+1.2	17.1	5	-0.1	28	107	19	-2	37	22	..
Waipukurau	137	13.5	4.5	9.0	+1.4	18.4	21	-0.9	13	120	16	+37	38	22	103*
Dannevirke	207	13.5	5.3	9.4	+1.6	18.1	5	-1.5	28	119	18	+22	49	22	95
Porangahau	8	15.0	6.6	10.8	..	18.8	5	0.7	13	150	16	..	63	22	..
Castlepoint	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ngaumu Forest	244	13.0	5.1	9.1	+2.2	16.9	5	-0.3	28	206	14	+72	79	22	..
Tauherenikau, Alloa	43	14.3	4.9	9.6	+1.4	19.1	5	1.6	27	147	17	+43	31	7	..
Wairongomai	21	13.5	5.6	9.6	+1.2	17.9	5	0.7	28	202	18	+33	38	23	..
Cape Palliser	10	14.2	8.8	11.5	+0.9	19.5	5	5.7	27	127	14	+20	39	22	..
East Cape	17	15.7	9.2	12.5	+0.8	20.6	6	5.0	20	143	23	-5	28	2	..
Ruatoria	61	15.8	6.8	11.3	+1.1	21.4	6	1.5	20	317	19	+121	66	22	..
Mangatu Forest	182	14.3	5.8	10.1	+1.2	21.8	8	0.0	28	142	18	+20	28	1	..
Manutuke Gisborne	9	15.9	6.2	11.1	+1.5	20.9	6	0.5	13	136	19	+29	32	1	..
Gisborne Airport	4	15.6	6.4	11.0	+1.2	19.6	6	0.4	28	125	19	+4	23	7	128
Onepoto, Waikaremoana	643	..	5.4	..	..	..	..	1.5	28	234	16	+32	47	1	..
Wharerata Forest	439	12.1	7.0	9.6	..	17.0	6	3.5	20	204	16	..	40	2	..
Esk Forest	427	12.2	6.2	9.2	+1.5	16.4	6	1.1	27	234	18	+51	56	23	..
Ngamatea	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	12.5	6.6	9.6	+1.3	17.6	5	2.1	27	155	15	+13	43	22	..
Napier Airport	2	14.6	6.0	10.3	+1.0	21.0	6	-0.2	28	97	15	-3	21	23	..
Napier	2	15.4	6.4	10.9	+1.4	21.2	6	0.1	28	101	15	+7	24	23	102
Hastings	16	15.4	5.7	10.6	..	21.9	6	-0.5	28	109	13	..	36	22	..
Whakatu	6	15.0	5.6	10.3	..	20.6	6	-0.3	28	99	14	..	23	23	..
Gwavas Forest	335	12.6	4.1	8.4	+1.7	17.7	6	-0.5	28	140	15	+21	38	22	..
Makaretu	335	12.7	3.4	8.1	+0.6	19.2	5	-1.6	28	102	24	+1	34	22	..
Mohaka Forest	286	13.6	5.9	9.8	+1.4	18.4	6	1.0	27	246	13	+76	64	23	..
Frasertown, Wairoa	8	15.4	6.3	10.9	+1.2	20.1	6	1.7	13	107	17	-39	22	2	..
Wairoa	20	15.5	6.8	11.2	+1.5	20.1	6	2.0	28	90	13	-40	17	1	114
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	13.8	7.2	10.5	+1.5	15.9	5	1.3	27	173	15	+73	37	21	99
Flockhouse Bulls	9	14.5	6.1	10.3	+1.4	17.5	5	0.4	27	76	15	-7	22	21	..
Ohakea	48	14.4	7.2	10.8	+1.7	17.5	5	2.0	28	83	16	-2	21	22	84
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	14.4	6.1	10.3	+2.1	17.2	5	-0.3	28	69	12	-12	17	21	..
Palmerston N Airport	45	14.3	6.8	10.6	+2.4	18.2	5	-0.6	27	79	12	-3	25	7	..
Palmerston N D S I R	34	14.4	7.3	10.9	+2.1	18.0	5	1.6	28	92	19	+5	28	7	62
Tiritea	100	13.6	7.7	10.7	..	17.3	5	2.6	27	108	22	..	29	22	..
Waitarere Forest	3	14.3	5.7	10.0	+1.3	16.4	14	-0.8	3	124	16	+38	29	21	..
Levin	46	14.3	7.6	11.0	+2.0	16.0	4	2.5	26	126	18	+21	38	21	73
Titahi Bay	31	14.1	7.1	10.6	..	16.2	12	1.0	27	276	15	..	44	20	..
Avalon, Lower Hutt	15	13.8	7.1	10.5	+1.5	16.6	5	1.3	26	166	21	+21	31	23	..
Highland Pk Wgtn	120	12.5	8.6	10.6	..	15.5	5	4.3	29	235	18	..	36	22	..
Kelburn, Wellington	125	13.0	8.8	10.9	+1.8	16.1	10	5.4	26	214	18	+75	44	22	86
Somes Is	43	13.2	8.7	11.0	+1.6	16.0	5	4.5	26	220	17	+81	35	22	..
Gracefield Lower Hutt	34	13.6	8.2	10.9	+1.5	16.4	12	3.3	26	196	16	+49	50	23	..
Wainuiomata	82	13.4	6.7	10.1	+1.8	16.2	12	1.8	27	295	20	+103	98	22	..
Wellington Airport	6	13.9	9.0	11.5	+1.7	16.2	12	3.0	26	183	17	+67	44	22	..

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		A Max.	B Min.			Maxi-mum	Date	Mini-mum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm	Hrs		
Rimutaka Forest	37	14.1	6.8	10.5	..	19.5	30	0.6	27	272	18	..	57	23	..
Kaitoke	223	12.7	4.2	8.5	+1.4	16.9	5	-3.0	27	317	20	+98	86	22	73
Wallaceville	56	13.8	4.9	9.4	+1.5	16.5	5	-1.2	27	181	19	+47	29	22	88
Cape Egmont	8	15.1	9.3	12.2	+1.4	17.5	5	0.9	26	199	24	+57	50	21	..
Stratford Mtn House	846	7.9	2.7	5.3	+0.5	13.2	9	-1.2	26	866	17	+224	154	22	..
Stratford Dem Farm	311	12.8	5.4	9.1	+1.2	16.1	5	-0.8	26	325	14	+123	101	22	70
Kapuni	173	13.9	6.5	10.2	..	17.5	4	-0.2	26	163	18	..	70	22	..
Manaia Dem Farm	98	14.2	6.6	10.4	+1.0	18.2	4	-1.1	26	160	20	+31	71	22	90
Normanby	122	13.7	6.6	10.2	+1.9	16.8	6	-0.8	26	84	20	..	36	21	..
Patea	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pipiriki	80	13.6	6.4	10.0	..	17.1	3	0.7	26	152	18	..	41	21	..
Ohakoe Junction	629	11.0	2.9	7.0	+1.5	14.8	9	-1.7	27	137	17	-12	31	21	..
Karioi	648	11.2	2.8	7.0	+1.2	16.5	7	-3.3	28	107	18	-11	27	22	..
Waiouru	823	9.8	3.2	6.5	+2.0	15.0	4	-0.7	20	69	18	-38	26	22	..
Waiouru Military Camp	823	9.6	3.2	6.4	+2.1	15.0	4	-1.7	20	68	17	-39	23	22	..
Ahu Ahu Valley	85	14.2	5.6	9.9	..	17.4	6	-0.8	26	112	15	..	42	22	..
Taihape	433	12.7	2.8	7.8	+1.6	18.8	5	-3.8	28	51	13	-36	14	22	..
Kahui, Taihape	518	12.7	4.9	8.8	+2.2	17.2	5	0.9	27	49	12	-38	16	22	..
Wanganui	22	14.8	7.5	11.2	+1.5	18.1	5	1.6	26	79	13	-8	25	22	108
Wanganui Airport	9	15.0	7.4	11.2	..	18.2	5	0.0	26	68	12	-22	24	21	..
Totaranui	10	14.0	6.3	10.2	..	18.2	5	4.4	26	242	..	+147	53	6	..
Westport Airport	2	13.9	6.6	10.3	+1.5	17.2	5	2.4	3	258	22	+72	61	20	52
Cobb Dam	823	9.3	0.6	5.0	+1.1	16.0	12	-2.7	3	278	15	+82	53	20	..
Arapito	20	14.2	5.6	9.9	..	17.6	5	0.3	25	149	13	..	36	20	54
Lake Rotoroa	443	10.0	1.5	5.8	..	13.5	5	-3.6	25	179	14	..	63	20	..
Lake Rotoiti	634	9.8	0.0	4.9	+1.5	14.5	4	-3.6	3	140	15	+20	37	20	..
Hokitika Airport	39	13.4	4.9	9.2	+1.6	16.6	5	0.9	3	242	17	+37	64	4	88
Punakaiki	4	14.3	8.6	11.5	..	16.9	5	4.5	22	204	19	..	48	15	..
Reefton	198	10.8	2.2	6.5	+1.7	16.5	5	-4.6	26	176	19	+15	54	20	..
Barrytown	30	14.4	8.4	11.4	..	18.0	5	4.8	22	243	16	+52	55	20	..
Totara Flat	77	12.2	2.2	7.2	+1.5	18.9	5	-4.0	3	151	15	-7	47	20	..
Greymouth	4	13.2	6.4	9.8	+1.4	16.6	5	2.0	3	232	19	+45	72	20	58
Otira Substation	383	10.1	3.1	6.6	+1.9	14.0	5	-2.0	3	434	17	+67	125	5	..
Springs Junction	421	9.3	1.0	5.2	+1.5	14.1	5	-5.8	3	193	16	+3	85	20	..
Pukekura	86	13.0	2.3	7.7	..	16.1	5	-2.8	3	230	13	..	78	4	..
Hari Hari	45	13.7	2.1	7.9	+1.7	16.5	12	-5.3	2	281	12	+45	82	4	..
Okarito	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Franz Josef	155	12.5	4.8	8.7	..	15.6	12	2.0	3	348	12	..	71	4	71
Fox Glacier	152	13.0	3.7	8.4	+1.7	16.0	12	0.2	22	355	14	+74	64	15	..
Milford Sound	3	9.7	2.9	6.3	+0.6	16.0	3	-1.5	1	448	21	+34	85	16	..
Puysegur Point	43	11.5	7.2	9.4	..	14.7	2	4.0	25	233	23	+26	43	16	..
Stephens Is	187	12.9	9.3	11.1	+1.6	15.6	5	7.0	2	156	18	+82	30	7	..
Riwaka Motueka	8	13.5	3.2	8.4	+0.8	20.8	5	-0.5	3	203	14	+80	31	28	89
Tapawera	146	12.4	0.8	6.6	..	18.1	5	-4.1	25	102	12	..	18	20	..
Crail Bay Pelorus Sd	13	13.4	7.5	10.5	..	17.1	6	3.9	12	240	..	..	..	..	..
Appleby	17	13.7	4.2	9.0	+1.1	18.5	5	0.7	25	150	13	+69	36	4	..
Nelson Airport	2	13.7	3.5	8.6	+1.4	18.7	5	0.0	3	114	13	+35	16	4	90
Rai Valley	79	13.4	4.1	8.8	+2.1	17.2	10	-0.5	3	255	15	+101	62	5	..
Moutere Hills	110	13.2	6.8	10.0	+1.4	17.1	5	3.9	25	145	11	+55	27	15	..
Wairau Valley	162	12.5	2.2	7.4	..	17.2	5	-1.2	13	101	10	..	21	5	..
Blenheim Airport	27	13.6	3.8	8.7	+1.4	20.0	5	-0.7	9	79	15	+18	20	5	..
Brancott Valley	64	13.7	4.0	8.9	..	19.4	5	-0.5	9	79	15	..	18	5	..
Blenheim	4	14.1	4.0	9.1	+1.4	19.5	5	0.0	12	70	16	+13	17	5	106
Wither Hills Blenheim	32	13.7	5.2	9.5	+1.7	19.0	5	1.0	13	62	11	+7	14	5	..
Waihopai Power Stn	262	11.9	2.9	7.4	+1.0	15.9	6	-0.6	25	81	10	+8	18	5	..
Duntroon	350	..	..	..	..	..	..	..	..	65	..	-5	18	5	..
Lake Grassmere	2	13.6	6.2	9.9	+1.9	24.5	6	-1.4	7	68	14	+17	23	22	107
Cape Campbell	3	13.5	8.8	11.2	+1.8	16.4	10	6.5	24	74	13	+14	20	22	..
Boyle River Lodge	600	10.2	0.1	5.2	..	15.5	4	-5.0	3	184	..	..	67	20	..
Hanmer Forest	387	11.3	0.4	5.9	+1.7	18.6	5	-4.0	26	83	11	-22	24	22	80
Molesworth	893	9.1	-1.9	3.6	+1.3	15.5	4	-7.0	26	53	10	-1	16	5	..
Kaikoura Flats	24	13.1	2.8	8.0	..	19.9	5	-1.0	27	56	8	..	22	22	..
Kaikoura	108	12.5	7.5	10.0	+1.7	19.3	5	4.5	24	47	7	-21	16	24	115
Arthurs Pass	738	7.6	-0.1	3.8	..	11.0	5	-5.0	3	359	17	+74	94	4	..
Culverden	174	12.4	-0.1	6.2	..	18.0	5	-4.5	8	25	7	..	13	22	..
Balmoral Forest	198	12.6	-0.1	6.3	+1.5	19.0	5	-4.0	27	23	9	-27	11	22	..
Waiua	137	12.9	0.2	6.6	..	20.0	5	-4.1	8	36	9	..	15	22	..
Cheviot	85	13.1	0.7	6.9	..	18.7	10	-3.3	28	56	9	..	21	23	97
The Hermitage Mt Cook	765	..	0.0	..	..	..	..	-5.0	26	335	15	+94	90	5	53
Mt John	1027	6.4	0.3	3.4	+0.9	12.9	11	-5.5	26	72	7	+33	53	5	..
Craigieburn Forest	914	8.1	-0.5	3.8	+1.3	13.2	12	-4.3	26	159	15	+58	50	20	..
Lake Coleridge	364	12.2	1.3	6.8	+2.3	17.5	12	-3.1	4	79	14	+11	28	4	..
Highbank Power Stn	336	11.8	4.4	8.1	+1.7	16.9	12	-0.7	26	46	8	-18	20	4	123
Hororata Substation	192	12.7	0.3	6.5	+1.5	18.2	12	-4.0	3	49	13	-9	16	22	120
Winchmore	160	12.3	2.2	7.3	+1.9	17.8	8	-2.3	26	48	8	-5	16	22	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for June 1985—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
Peel Forest	274	11.9	0.0	6.0	+1.3	19.0	12	-3.9	3	55	16	+6	26	4	..
Ashburton	101	12.9	1.4	7.2	+1.2	19.3	12	-2.4	26	49	7	-5	14	4	122
Waipara	64	13.1	3.6	8.4	+2.1	18.3	4	-1.1	22	22	7	-27	12	22	..
Ashley Forest	107	12.5	4.1	8.3	+1.4	17.0	9	0.1	26	10	6	-45	5	4	111
Rangiora	46	12.7	1.3	7.0	+1.0	17.4	16	-2.6	26	11	11	-37	5	4	..
Darfield	195	12.8	3.4	8.1	+2.3	19.5	12	-1.8	3	43	10	-18	15	4	..
Eyrewell Forest	158	12.6	0.0	6.3	+0.8	17.5	8	-3.5	3	36	10	-20	15	4	..
Christchurch Airport	30	12.7	0.8	6.8	+0.8	17.6	10	-2.6	27	12	12	-40	5	4	128
Templeton	46	12.6	2.1	7.4	+1.5	18.2	10	-2.0	27	17	6	..	7	23	..
Christchurch	7	13.3	2.7	8.0	+1.5	18.5	10	-2.2	8	11	6	-48	5	4	..
Bromley Christchurch	9	12.3	4.1	8.2	+1.2	16.0	10	-0.9	27	10	9	-45	4	4	..
Mt Pleasant	137	13.0	7.0	10.0	+1.8	17.8	10	3.7	22	11	9	-57	5	4	..
Lincoln	11	12.6	1.6	7.1	+1.1	18.3	10	-2.6	22	21	8	-38	7	23	116
Quail Island	75	12.4	6.2	9.3	..	17.6	10	2.6	28	13	9	..	4	4	..
Akaroa	3	13.9	3.1	8.5	+1.3	20.0	9	-0.5	28	42	6	..	16	23	..
Lake Tekapo	683	7.2	-0.8	3.2	+0.4	13.0	11	-5.5	3	61	9	+11	23	4	..
Fairlie	304	10.7	-2.3	4.2	..	17.5	12	-7.4	3	51	6	..	25	4	..
Twizel	457	7.2	-3.0	2.1	+0.4	12.0	16	-7.5	3	58	11	+16	25	5	..
Twizel Substation	451	6.9	..	..	..	12.7	16	..	..	54	9	..	22	4	..
Ikawai	70	11.8	0.7	6.3	+1.1	18.5	9	-4.0	3	26	4	-7	10	4	..
Geraldine	119	12.0	0.2	6.1	+0.9	20.6	9	-5.5	3	49	8	+6	23	4	..
Orari Estate	81	11.6	0.4	6.0	+1.0	21.5	9	-3.0	3	55	9	+14	22	4	..
Temuka	24	12.0	0.6	6.3	+0.6	20.8	9	-2.8	26	42	7	+6	20	4	..
Timaru Airport	26	11.6	0.5	6.1	+0.7	19.5	9	-2.8	22	29	6	-4	18	4	..
Adair	85	11.4	3.9	7.7	+1.1	19.8	9	0.4	26	29	8	-4	15	4	..
Timaru	17	10.3	1.9	6.1	+0.2	17.2	9	-1.6	27	29	8	-5	14	4	..
Timaru 2	17	11.2	2.4	6.8	..	19.0	9	-1.3	27	30	8	..	14	4	116
Waimate	61	12.0	1.7	6.9	+0.2	19.5	9	-2.4	28	18	6	-21	8	4	..
Aviemore	241	10.0	3.0	6.5	..	15.7	10	-3.2	22	29	7	+1	14	4	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru Airport	30	11.6	2.6	7.1	+1.2	18.8	9	-0.5	7	28	7	-7	11	4	124
Knobs Flat	360	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tara Hills Omarama	488	7.9	-1.4	3.3	+1.0	13.9	10	-6.0	3	55	11	+20	24	5	79
Lake Hawea	350	8.4	1.6	5.0	+0.8	15.0	12	-2.0	25	88	11	+31	24	4	..
Wanaka	296	8.8	0.5	4.7	+1.0	15.0	12	-3.7	25	72	11	+21	26	4	..
Queensberry	277	8.3	0.7	4.5	..	15.1	10	-5.1	26	40	10	..	24	4	..
Bendigo	200	8.9	0.4	4.7	..	15.9	10	-4.8	26	40	10	..	24	4	..
Naseby	607	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Windsor	88	10.9	..	..	..	..	12	..	..	30	7	..	11	4	..
Oamaru	5	12.2	3.4	7.8	..	18.4	9	-1.5	28	25	6	..	12	4	..
Ranfurly	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Herbert Forest	61	11.8	0.8	6.3	+0.6	18.0	9	-2.6	19	34	7	-7	15	4	..
Palmerston	21	12.3	0.3	6.3	+1.0	19.0	9	-4.6	28	36	7	-10	15	4	113
Cherry Farm Hospital	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taiaroa Head	72	11.0	6.7	8.9	+1.5	15.3	8	4.0	23	46	12	-11	14	5	..
Invermay, Taieri	30	12.3	1.8	7.1	+1.7	18.0	9	-6.9	23	47	16	-30	10	22	94
Berwick Forest	18	11.4	1.9	6.7	+1.4	16.8	9	-2.8	3	40	11	-24	10	4	..
Dunedin Airport	1	11.9	-0.2	5.9	+0.8	18.4	9	-6.0	28	36	8	-15	9	4	92
Musselburgh Dunedin	2	11.5	5.1	8.3	+1.4	16.2	12	-0.1	28	35	11	-36	10	4	99
Te Anau	215	9.0	2.2	5.6	+1.0	14.4	9	-1.9	26	125	12	+23	17	4	62
West Arm, Manapouri	232	6.7	2.8	4.8	+0.6	11.0	12	-1.9	2	339	18	+60	63	11	..
Borland Burn	183	8.5	-0.2	4.2	+0.6	15.1	11	-6.2	24	112	..	+11	35	5	..
Queenstown	329	9.0	1.3	5.2	+0.9	15.4	9	-2.2	1	88	13	+18	39	17	69
Queenstown Airport	349	8.6	-0.9	3.9	+0.6	13.5	9	-5.0	2	80	13	+26	31	17	..
Gibbston	354	8.8	0.2	4.5	..	18.0	14	-5.5	26	52	..	..	27	4	..
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell Sub Stn	213	8.0	-0.1	4.0	..	15.1	11	-6.8	26	31	9	-3	18	4	..
Cromwell	213	8.5	-0.7	3.9	+0.6	16.2	11	-7.6	26	32	8	+4	19	4	..
Northburn	210	8.3	0.4	4.4	..	15.2	11	-5.0	26	30	10	..	18	4	..
Cromwell 2	213	8.1	-0.5	3.8	..	15.7	11	-7.6	26	32	10	..	20	4	63
Lauder	370	8.8	-1.5	3.7	..	16.9	11	-8.1	3	26	12	..	15	4	..
Clyde Dam	160	9.1	0.4	4.8	..	16.3	11	-4.3	2	27	8	..	18	4	..
Ophir	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde(Dsir)	171	9.2	-0.6	4.3	..	16.0	11	-5.4	1	28	9	..	21	4	..
Alexandra	141	9.2	-1.0	4.1	..	15.0	9	-7.1	2	27	7	..	18	4	76
Roxburgh Power Stn	110	10.1	2.3	6.2	+1.3	17.0	11	-1.5	7	25	8	-7	15	4	..
Etrick No 1	83	11.0	1.4	6.2	..	17.5	11	-3.4	2	25	7	..	13	4	..
Etrick No 2	91	10.4	1.4	5.9	..	16.9	11	-3.0	8	26	7	..	15	4	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	10.3	0.9	5.6	..	16.5	9	-5.0	1	33	13	-59	10	4	..
Mahinerangi Dam	396	9.6	1.8	5.7	+1.7	14.0	9	-3.7	28	44	8	-43	10	5	..
Tapanui	226	10.4	3.2	6.8	+1.6	16.2	9	-1.7	25	43	10	-47	12	5	..
Taieri Mouth	15	11.6	3.0	7.3	+1.1	15.4	16	-1.5	3	48	11	-15	14	4	..
Tuatapere	27	11.1	2.5	6.8	..	16.8	9	-2.1	23	93	19	..	30	5	..
Otautau	55	10.3	1.1	5.7	+0.3	15.5	9	-6.2	1	98	12	-17	37	5	36

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for June 1985—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
Winton	44	11.0	1.9	6.5	+0.9	16.5	9	-3.8	1	59	11	-21	21	5	89
Gore	123	9.6	2.3	6.0	+1.3	15.5	9	-3.2	1	44	13	-33	14	5	96
Hokonui Forest	46	10.6	1.4	6.0	+0.5	15.8	10	-4.6	4	53	9	-40	21	5	..
Woodlands	47	10.6	2.4	6.5	+0.9	15.2	9	-2.7	1	62	24	-34	18	5	..
Invercargill Airport	0	10.7	1.5	6.1	+0.7	14.4	13	-5.3	1	68	17	-35	20	5	88
Tiwai Point, Bluff	5	10.6	4.3	7.5	+0.9	13.5	13	-0.3	26	66	16	-47	21	5	..
Stewart Is	3	10.6	3.8	7.2	+1.0	14.6	10	-1.3	1	111	24	-20	30	5	..
Milton	18	10.5	0.6	5.6	+0.5	16.6	9	-6.6	3	46	11	-27	15	21	..
Clinton School	120	10.5	1.6	6.1	..	15.5	9	-5.0	2	37	18	..	11	4	..
Finegand Balclutha	6	10.9	2.1	6.5	+1.1	17.9	11	-4.0	3	32	8	-30	10	4	85
Owaka	5	11.7	1.7	6.7	+0.9	16.6	9	-5.8	3	60	14	-33	21	5	..
Nugget Point	129	10.6	4.9	7.8	+1.5	15.2	9	0.9	3	48	14	-38	19	5	..
Tautuku	40	11.9	3.8	7.9	+1.3	15.3	11	-1.5	26	54	14	-88	23	5	..
Nadi Airport Fiji	15	28.2	18.9	23.6	-0.7	30.6	11	15.0	6	72	9	-2	27	18	174
Rarotonga Airport	7	24.9	18.4	21.7	-0.9	28.0	2	15.0	7	138	17	+25	43	3	127
Totokoitu, Rarotonga	9	24.3	18.4	21.4	-1.0	26.7	1	15.1	23	181	18	+68	36	3	..
Raoul Is	38	19.3	14.3	16.8	-0.7	21.3	24	10.2	20	114	21	-42	40	22	124
Campbell Is	15	8.8	5.5	7.2	+2.4	11.2	12	-0.4	6	71	26	-49	11	18	4
Waitangi, Chatham Is	44	12.7	6.9	9.8	+1.2	15.7	6	1.5	26	98	18	+1	37	23	97
Scott Base Antarctica	16	-19.3	-31.7	-25.5	+0.8	-6.4	25	-42.7	6	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Cape Reinga 05/1985	191	17.8	11.6	14.7	-0.2	21.5	8	8.2	15	98	20	-1	40	21	..
Little Barrier Is 05/1985	2	17.4	11.2	14.3	..	20.3	23	7.2	15	301	21	+151	155	22	..
Awaroa Valley 05/1985	30	17.4	8.7	13.1	..	20.4	8	3.5	18	191	9	..	146	22	..
Manukau Heads 04/1985	244	17.9	12.3	15.1	..	20.2	1	8.3	30	86	12	-4	24	19	..
Manukau Heads 05/1985	244	15.3	9.7	12.5	..	19.1	10	6.9	28	95	6	-4	57	22	..
Whangapoua Forest 05/1985	4	..	6.7	..	..	..	..	2.5	20	104	..	-73	74	22	..
Atiamuri Power Stn 05/1985	253	..	3.3	..	..	..	..	-1.3	17	59	5	-57	36	22	..
Mangere Auckland 05/1985	4	17.0	7.9	12.5	-0.9	20.3	10	3.6	18	193	8	+70	131	22	174
Waikeria 05/1985	46	16.8	3.7	10.3	-0.2	19.4	8	-1.9	19	73	6	..	52	22	..
Omata 02/1985	61	22.4	14.5	18.5	+0.1	25.3	16	11.0	20	78	8	-26	37	16	..
Omata 03/1985	61	21.4	13.5	17.5	-0.2	25.2	17	8.8	21	22	11	-64	7	4	..
Omata 04/1985	61	19.4	12.2	15.8	+0.3	22.2	17	9.3	22	101	11	-41	60	19	..
Omata 05/1985	61	16.4	10.0	13.2	+0.0	19.3	8	5.8	13	71	12	-87	21	21	..
Lower Retaruke 05/1985	223	15.4	2.5	9.0	-0.7	18.4	4	-3.0	28	36	4	-109	28	22	..
Chateau, Mt Ruapehu 05/1985	1097	9.8	0.9	5.4	..	13.5	23	-3.1	13	58	8	..	16	15	..
Waipukurau 05/1985	137	14.0	5.3	9.7	-0.4	19.8	8	0.5	6	90	13	+25	18	30	98*
Mangatu Forest 05/1985	182	14.8	6.9	10.9	-0.3	21.8	8	2.0	15	269	19	+163	94	13	..
Wharite Peak 06/1984	914	6.8	3.0	4.9	+1.1	10.9	21	-2.0	24	121	..	-52	22	21	..
Wharite Peak 07/1984	914	6.4	2.6	4.5	+1.6	12.5	22	-2.6	16	188	22	+6	38	5	..
Wharite Peak 03/1985	914	13.5	7.9	10.7	-0.2	23.1	4	3.0	21	227	..	+25	..	..	..
Wharite Peak 04/1985	914	10.8	6.0	8.4	+0.0	19.5	18	1.4	23	85	..	-103	14	20	..
Patea 09/1984	43	14.4	7.9	11.2	-0.1	18.0	24	3.0	9	43	11	-42	12	26	..
Puyssegur Point 05/1985	43	12.7	7.5	10.1	..	17.4	9	3.0	14	195	24	-16	72	6	..
Lake Grassmere 05/1985	2	14.9	7.0	11.0	+0.3	22.2	7	-1.8	15	54	10	-8	17	28	138
Hanmer Forest 05/1985	387	12.3	2.3	7.3	+0.0	21.5	9	-3.2	18	63	10	-52	21	13	94
Kaikoura Flats 05/1985	24	13.8	4.6	9.2	..	20.7	7	-0.1	5	113	15	..	57	14	..
Arthurs Pass 05/1985	738	9.4	0.5	5.0	..	15.0	3	-4.0	24	188	14	-195	70	9	..
Craigieburn Forest 05/1985	914	10.0	1.0	5.5	+0.4	15.8	4	-2.6	30	41	13	-117	10	9	..
Winchmore 05/1985	160	13.4	3.0	8.2	+0.3	21.5	10	-1.3	18	69	7	+0	32	13	..
Tara Hills Omarama 05/1985	488	10.9	-0.1	5.4	-0.2	18.0	7	-5.5	24	15	5	-34	8	12	..
Lake Hawea 04/1985	350	16.4	6.3	11.4	+0.2	20.8	11	-0.1	23	85	7	+25	39	18	..
Lake Hawea 05/1985	350	10.0	2.6	6.3	-1.0	17.2	7	-1.5	31	20	7	-57	9	8	..
Naseby 05/1985	607	11.2	0.7	6.0	..	17.5	6	-4.5	31	21	9	..	6	12	..
Windsor 05/1985	88	13.1	3.8	8.5	..	22.9	6	0.0	31	22	7	..	9	14	..
Taiaroa Head 05/1985	72	12.6	7.4	10.0	+0.8	18.0	10	5.3	14	41	18	-29	14	10	..
Deep Stream 02/1984	396	..	..	..	..	..	..	..	..	45	..	..	..	..	..
Deep Stream 02/1985	396	21.4	5.9	13.7	..	27.5	6	-4.0	13	14	8	..	6	28	..
Gore 05/1985	123	11.4	2.6	7.0	-0.1	18.7	9	-4.0	31	50	18	-37	18	13	110
Hokonui Forest 05/1985	46	12.4	1.6	7.0	-0.7	19.8	9	-4.4	31	75	15	-31	19	13	..
Totokoitu, Rarotonga 05/1985	9	26.7	21.4	24.1	+0.7	30.4	6	18.5	30	169	14	..	45	9	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1951-1980. No normals are available for stations with only short records.

*Indicates that the sunshine recorder is not located at the station but is in the near vicinity.

A rainday is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall have occurred more than once during the month, the date of the first occurrence is given.

THE WEATHER IN NEW ZEALAND FOR JUNE 1985

General—June was a mild month with above average rainfall in the east of the North Island, about central New Zealand and in the south-west of the South Island.

Northerly winds prevailed over the country, with light winds being slightly more frequent than usual. South-westerlies, which usually predominate at this time of the year, had exceptionally low frequencies. These conditions resulted from mean sea level pressures being well above average to the east of New Zealand. Chatham Islands was 10 hectopascals higher than normal; the third consecutive month of abnormally high pressures.

North Island farmers report generally good stock health and pasture growth for the time of year. South Island farmers noted some slow growth of grass and that stock was in a fair condition.

Rainfall—Areas of New Zealand to receive above average rainfall this month include Bay of Plenty, Gisborne, Waikato, Taranaki, Wellington, Nelson, Marlborough and Fiordland. In some of these regions more than 150 percent of normal rainfall was recorded. Locations in these areas include Hamilton Airport 158 percent, Whakatane 216 percent, Rotorua 181 percent, New Plymouth 181 percent, Kelburn (Wellington) 154 percent, Waingawa (Masterton) 151 percent and Haast 187 percent.

A band of rain accompanying a trough of low pressure brought some heavy falls to Waikato and the Bay of Plenty during the 14th and 15th. Hamilton Airport recorded 77 mm on the 14th and at Rotorua 55 mm was measured on the 15th.

In the recently very dry areas of South Canterbury and North Otago, rainfall this month was in general 80 to 90 percent of normal. However in areas around Banks Peninsula, rainfall was about 20 to 25 percent of normal.

Temperatures—With the predominance of northerlies this month, mean air temperatures over the country were above average by about 1°C to 1.5°C. Both the maxima and minima were also above normal.

Sunshine—Over much of the country sunshine was below average. This was particularly noticeable about the central North Island and about the north of the South Island. Among those stations which had greatest departures this month were:

Taupo (-45 hours, the largest for June since records began in 1950), Tauranga (-37 hours), Nelson (-58 hours, the largest since 1968), and Blenheim (-48 hours).

J. S. HICKMAN, Director.

THESE MAPS ARE MEAN SEA LEVEL ANALYSES
FOR 0000 HOURS. THEY WERE PREPARED BY
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