



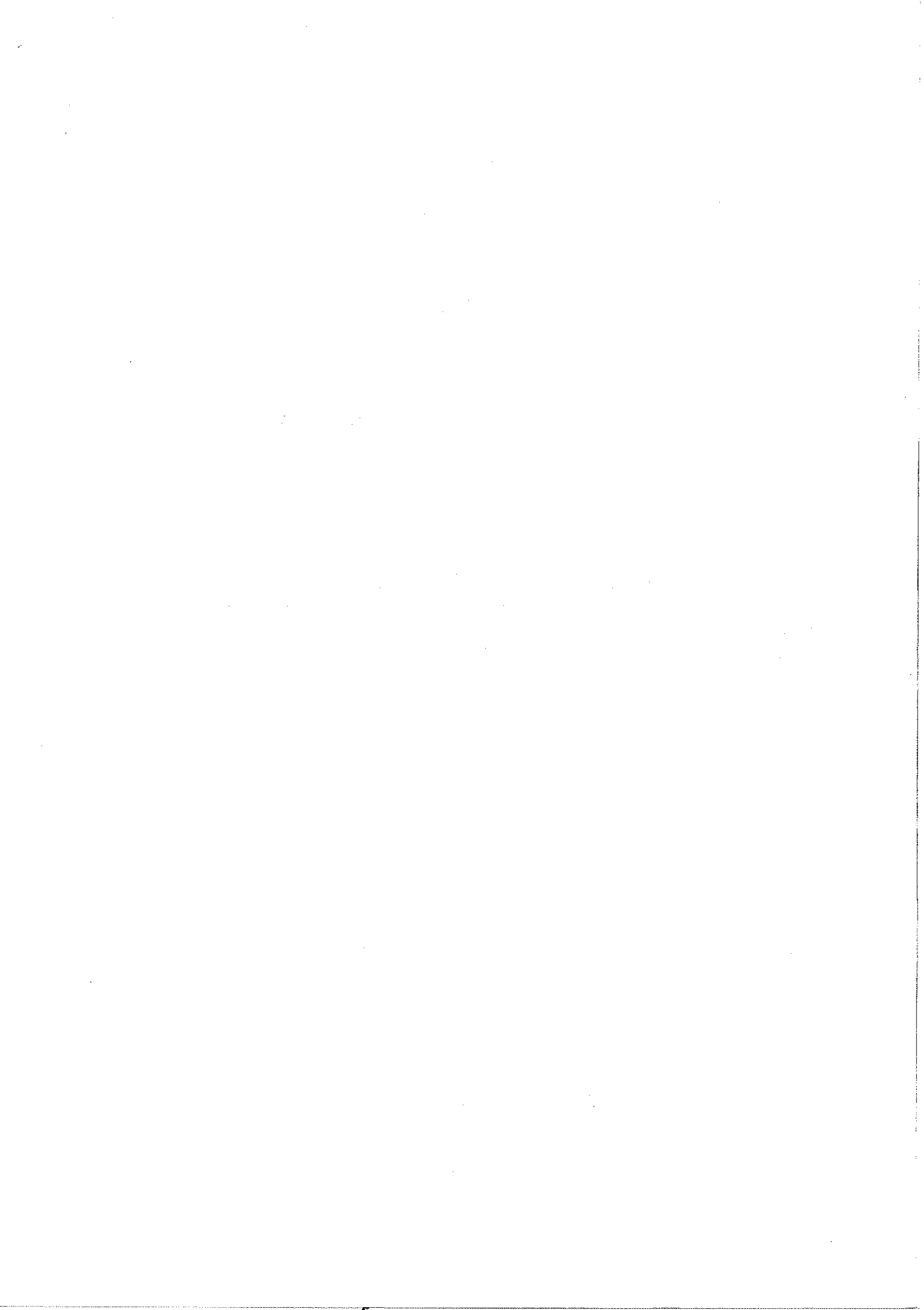


MINISTRY OF TRANSPORT

NEW ZEALAND METEOROLOGICAL SERVICE

WIND DATA LISTING FOR NEW ZEALAND STATIONS

Wellington, New Zealand—1983



WIND DATA LISTING

Introduction

This listing of wind data is intended as a reference guide to where wind measurements have been made in New Zealand and what data have been acquired from those measurements.

It has been assembled for measurements made up to 31 December 1979 but nearly all the stations for which there is data to 1979 also have records continuing to the time of issue of this publication.

The information for N.Z. Meteorological Service stations, which comprise the largest number, has been taken from station files or supplied by staff members. In addition to information drawn directly from station files some has been inferred from station descriptions, photographs, and topographical maps.

Every care has been taken in preparing this listing. The N.Z. Meteorological Service would value advice of any inaccuracies or incompleteness; such advice will be incorporated in an updated version of this publication to be produced at a later date.

In the preparation of the listing an attempt has been made to recognise that winds measured at a place depend very much on the exact location of the sensor relative to hills, buildings, trees etc. and on the height of the mast. The type of anemometer is indicated and whether serious calibration problems are known to have occurred.

The grid reference on NZMS 1 has been used. This is the only sufficiently precise way of locating the sensor which is available at present. The anemometers have been placed in order, according to the grid reference number, although for a single station the grid reference numbers after the first do not follow this pattern.

The exposure of the instrument is graded A-F according to the degree to which the recorded winds are affected by surface features. The meanings are as follows: -

- A - little friction effect because of the height of the instrument, speed-up* may be present.
- B - a hill site, possibly on a coast, with speed-up in at least one frequently occurring wind direction.

* Increase in the speed of the wind above its unperturbed value.

- C - a coastal site where the low drag of the sea surface is important for at least one frequently occurring wind direction and leads to relatively high mean speeds.
- D - a flat, open land exposure.
- E - a flat site affected by trees or buildings.
- F - a site substantially sheltered by nearby hills.

For hill country most sites will be B or F but in some situations a D or E grade will be more appropriate, e.g. a valley floor or plateau. The wind speeds observed at a site compared with other sites in the same region are a guide to the appropriate grade.

The original purpose for which an anemometer is installed has some bearing on the sort of location which is likely to be chosen for the instrument. Thus an F grade exposure may be more useful for some purposes than an A type and the grading is not intended to imply any degree of correctness. Some indication of the purpose is given in the listing using abbreviations in Table 1.

The groups operating the stations are taken to be those analysing the records and the abbreviations listed in Table 1 apply to those and the groups holding the records.

Raw data is a record produced automatically by an anemometer such as an anemogram (A) or logger tape (L). This is followed by the element(s) recorded: speed (S) and/or direction (D), the number of months of record (typically 1 anemogram runs for 1 month), and the period during which the records were obtained.

Derived data involve some degree of processing of the information either manually or on computer. For cup counter instruments or generating anemometers with dials there is no raw data - the only records result from manual observations at set times. The codes express the time between readings, e.g. 1 hour (1H), daily (D), weekly (W), variable periods (X) or monthly (M), and the elements obtained: S-speed, D-direction, R-wind run, \hat{G} -maximum gust. The number of months and period of the records are also given and whether they are held on computer (C) or in paper form (P).

Analyses which have been made of the data are indicated (F = frequency) using the appropriate abbreviations. Mean speed are designated \bar{S} etc. In some cases other specialised analyses have been made and are indicated by a +.

Acknowledgments

The preparation of this list has been under the supervision of Dr S.J. Reid. Mr Craig O'Brien and Mrs Caroline Kreft searched the files and data store and drafted the list, and Mrs Rita Kraal typed the detailed tables. The contributions of other individuals and organisations are also acknowledged.

Table 1: Abbreviations used in the listing

Anemometer type		Primary purpose	
CC	Cup counter anemometer	MAR	Marine
L	Lambrecht anemograph	SYN	Synoptic
M	Munro anemometer or anemograph	AGR	Agriculture
MM	Modified Munro (non-standard recorder)	FOR	Forestry
D	Dines anemograph	POL	Pollution
C	Climatronic anemometer	EGY	Energy
MGR	Maximum gust recorder	ENG	Engineering
P	Pitot-tube anemometer	AVN	Aviation
S	Synchrotac anemometer	ECO	Ecological study
V	Vigilant anemometer		
O	Other		
Group(s) operating station and holding data		Data and analysis type (examples)	
MET	Meteorological Service	ASD	Anemogram with wind speed and direction
UNI	University	AS	Anemogram with speed only
NZE	New Zealand Electricity	LSD	Logger record of speed and direction
FOR	New Zealand Forest Service	1HSD)	Speed and 1 hour
DSIR	Department of Scientific and Industrial Research	3HSD)	direction 3 hour intervals
HB	Harbour Board	6HSD)	at 6 hour
HD	Health Department	60SSD)	60 second
PO	Post Office	DR	Daily wind run
ARA	Auckland Regional Authority	MR	Monthly wind run
MAF	Ministry of Agriculture and Fisheries	XR	Wind runs over variable periods
PRI	Private	DĜ	Monthly maximum gusts
LB	Local Body	\bar{S}	Average speeds
CB	Catchment Board	FSD	Frequency speed and direction
PB	Power Board		

Station	Anemometer Type	Grid Ref.	Height (m)		Exposure	Primary Purpose	Operated by	Data held by	Raw Data			Derived Data			Errors Known	Remarks	
			above ground	M.S.L. above ground					Type	No. Months	Period	Type	No. Months	Period			Held in
NORTH ISLAND																	
Cape Reinga	M	N001165506 N001166504	18	209	B	MAR	MET	MET	-	-	-	3HSD 6HSD DG	157 71 71	1961-74 1974-79 1974-79	C C C	S FSD FSD	Yes No No
Waipapakauri	D	N009739789	10	12	D	AVN	MET	MET	ASD	57	1942-47	1HSD	57	1942-47	P	-	No
Kaitata Airport	D	N010764700	11	88	D	AVN	MET	MET	ASD	348	1950-79	1HSD 1HSD DG	46 215 96	1950-53 1962-79 1972-79	P C C	- S MG	No No No No
Kerikeri Aero	D	N011424523	10	159	D	AVN	MET	MET	ASD	24	1964-66	1HSD	24	1964-66	C	-	No
Kaikohe Aero	M	N015328292	10	181	D	AVN	MET	MET	ASD	89	1954-61	1HSD	89	1954-61	PC	S	No
Kaikohe	M	N015319356	10	185		SYN			-	-	-	-	-	-	-	-	No
Whangarei Airport	CC	N015336327	6	210	E	AGR	DSIR	MET	-	-	-	DR	84	1973-79	C	MR	No
Mokohinau	D	N020873908 N020875915	10	51	D	AVN	MET	MET	ASD	132	1954-65	1HSD 1HSD DG	57 235 82	1954-58 1958-74 1973-79	P C C	- S MG	No No No
Dargaville	M	N023345718	13	34	D	AVN	MET	MET	ASD	35	1957-59	1HSD	35	1957-59	P	-	No
Marsden Point	M	N024006824 N024003833	-	12	C	MAR	HB	MET	-	-	-	1HSD 1HSD DG	15 120 79	1961-62 1969-70 1972-78	P C C	- S MG	No No No
Leigh	MM CC	N029309309	10	36	B	ECO	UNI	MET	ASD	85	1972-79	1HSD	27	1972-75	C	S	No
South Head	M	N033283077	10	34	C	ENG	MET	MET	ASD	57	1966-71	1HSD	15	1966-68	C	-	No
Mullet Creek	L	N033845226	9	55	B	ENG	MET	MET	ASD	13	1968-69	-	-	-	-	-	No
Markworth	M	N034109182	35	107	E	ENG	MET	MET	AS ASD	72 60	1968-73 1974-79	1HS DG	23 84	1972-74 1972-79	C C	- MG	No No
Jordans Farm	M	N037943976	10	15	C	ENG	MET	MET	ASD	57	1966-71	1HSD	18	1966-67	C	-	No
Woodhill Forest	CC	N037956727	6	36	E	FOR	MET	MET	-	-	-	MR DR	287 96	1948-71 1972-79	C C	- MR	No No
Oyster Point	L	N037957950	8	32	C	ENG	MET	MET	ASD	42	1976-79	1HSD	42	1976-79	C	-	No
Silverdale	S	N038188859	10	101	E	ENG	UNI	UNI	LSD	12	1979	60SSD	12	1979	C	S	No
Albany	L	N038241734	6	75	E	POL	MET	MET	ASD	12	1979	1HSD	12	1979	C	-	No
Whangaparaoa	O	N038349906	10	-	C	EGY	UNI	UNI	-	6	1975-76	1HSD	24	1975-76	P	S	No

Weather measure instrument.
Closed 1977

Daylight hours 1967-74

Closed 1980

On wharf

Speed only up till 1974

Station	Anemometer Type	Grid Ref.	Exposure	Height (m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data					Errors known	Remarks
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Tiri Tiri Lighthouse	M	N038411902	B	21	91	MAR	MET	MET	-	-	12HSD	120	1966-75	C	S	FSD	No	hours 06, 18
Kumeu	CC	N041074653	D	6	38	AGR	MET	MET	-	-	DR	17	1978-79	C	MR	-	No	
Muriwai	S	N041965592	C	20	194	EGY	UNI	UNI	LSD	7	60SSD	7	1979	C	S	FSD+	No	
Oratia	CC	N042143541	E	6	47	AGR	MET	MET	-	-	MR DR	286 89	1948-71 1972-79	C	MR	-	No No	
Whenuapai	D	N042146676 N042153681	D	17	43	AVN	MET	MET	ASD ASD	171 174	1941-65 1965-79	248 228	1941-61 1960-79	P	S MG	FSD -	No No No	
Hobsonville	D	N042187663	D	10	61	AVN	MET	MET	ASD	129	1930-41	24	1939-41	P	-	-	No	
Mt Eden - Fenton St	M	N042265583	E	19	-	ECO	H.D.	-	-	-	-	-	-	-	-	-	-	-
Auckland City	M	N042277609	B	31	76	SYN	MET	MET	ASD	208	1962-79	208	1962-79	C	S	FSD	Yes	
Airedale Street	M	N042282600	B	77	113	ENG	P.O.	MET	ASD	143	1966-79	60	1967-71	C	S	FSD	No	
Auckland Airport No.2	M	N042285405	C	10	13	AVN	MET	MET	ASD	2	1979	2	1979	C	S	FSD	No	
N G H Q	D	N042285563	-	10	104	ECO	-	MET	ASD	30	1942-44	30	1942-44	P	-	-	No	
Mangere	D	N042296466	D	10	18	POL	ARA	MET	ASD	129	1939-50	129	1939-50	P	-	-	No	
Mechanics Bay	D	N042307609	C	17	21	SYN	MET	MET	ASD	295	1939-63	295	1939-63	P	-	-	No	
Auckland Airport	D	N042323405	D	10	19	AVN	MET	MET	ASD ASD	36 170	1962-65 1965-79	36 170	1962-65 1965-79	P	S MG	FSD -	No No No	
Otahuhu	D	N042378484	E	10	16	ENG	MET	MET	ASD ASD	24 12	1966-73 1979	33 12	1966-71 1979	P	-	-	Yes No	
Otara	CC	N042389479	D	6	18	AGR	MET	MET	-	-	MR DR	12 72	1971 1972-79	C	MR	-	No No	
Pakuranga	D	N042396548	-	10	-	ECO	-	MET	-	-	IHSD	10	1948-49	P	-	-	No	
Oreore Point	L	N043750474	C	6	40	ENG	NZE	MET	ASD	40	1976-79	34	1976-79	C	-	-	No	
Waimangu Point	M	N043786440	C	10	13	ECO	MET	MET	ASD	4	1960	1	1960	P	-	-	Yes	
Manukau Heads	M	N046071358	B	12	252	MAR	MET	MET	-	-	-	-	-	-	-	-	-	-
Mako Point	L	N047152375	C	6	46	ECO	MET	MET	ASD	9	1979	9	1979	C	-	-	No	
Glenbrook	M	N047254175	D	24	58	ENG	MET	MET	ASD	53	1975-79	41	1975-79	C	-	-	Yes	
Seagrove	L	N047291308	C	6	8	ECO	MET	MET	ASD	11	1979	11	1979	C	-	-	No	
Pukekohe	CC	N047382174	D	6	88	AGR	MET	MET	-	-	MR DR	18 72	1970-71 1972-79	C	MR	-	No No	
Ardmore	D	N047480385	D	15	51	AVN	PMD	MET	ASD	54	1945-49	54	1945-49	C	S	FSD	No	

Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data				Errors Known	Remarks		
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Hold in			Analyses	
Thames	CC	N049037257	C	6	9	ECO	MET	MET	-	-	MR	53	1959-71	C	-	No			
											DR	66	1972-79	C	-	No			
Maioiro Forest	CC	N051244006	E	6	58	FOR	MET	MET	-	-	MR	12	1971	C	-	No			
											DR	10	1972	C	-	No			
Mercer	CC	N052556091	E	6	42	ECO	MET	MET	-	-	DR	30	1977-79	C	-	No			
Waifi	CC	N053331950	F	6	97	ECO	MET	MET	-	-	MR	305	1946-71	C	-	No			
											DR	94	1972-79	C	-	No			
Huntly	M	N058632769	E	10	28	ECO	MET	MET	ASD	64	1973-79	-	-	-	-	No			
Mt Te Aroha	M	N057234777	A	122	1195	SYN	MET	MET	ASD	18	1978-79	1HSD	10	1979	C	-	No		
Tauranga Harbour	M	N058758638	E	27	30	MAR	HB	MET	ASD	217	1961-79	DSD	170	1964-79	C	S	FSD	Hours 00, 03	
Tauranga Airport	D	N058675609	D	10	14	AVN	MET	MET	ASD	342	1942-71	1HSD	96	1942-71	P	S	FSD	0700 - 1800 only	
	M								ASD	106	1971-79	6HSD	66	1975-79	C	S	FSD		
											DG	79	1973-79	C	MG	-	No		
East Cape	M	N063393541	B	10	160	MAR	MET	MET	ASD	66	1974-79	12HSD	152	1961-73	C	-	No	Estimated winds (1961-73)	
												12HSD	66	1974-79	C	-	No		
												DG	63	1974-79	C	MG	-	No	
Whatawhata	CC	N065693442	D	6	110	AGR	MET	MET	-	-	MR	229	1952-71	C	-	No			
											DR	93	1972-79	C	MR	-	No		
Rukuhia	CC	N065808421	E	6	72	AGR	MET	MET	-	-	MR	304	1946-71	C	-	No			
											DR	96	1972-79	C	MR	-	No		
Ruakura	CC	N065821482	E	6	46	AGR	MET	MET	-	-	MR	427	1936-71	C	-	No			
											DR	96	1972-79	C	MR	-	No		
Hamilton Airport	D	N065837376	D	10	63	AVN	MET	MET	ASD	115	1945-54	1HSD	49	1946-50	C	S	FSD		
	M	N065837376	E	14	63							1HSD	60	1965-69	C	S	FSD		
	M	N065842374	D	10	60				ASD	19	1978-79	1HSD	11	1979	C	S	FSD		
												DG	10	1978-79	C	MG	-	No	0700 - 1800 only
Cambri dge	CC	N065998312	D	6	82	AGR	FOR	MET	-	-	DR	36	1977-79	C	MR	-	No		
Rotoehu Forest	CC	N068970326	E	6	76	FOR	MET	MET	-	-	MR	406	1938-71	C	-	No			
											DR	95	1972-79	C	MR	-	No		
Whakatane Airport	D	N069384285	D	10	15	AVN	MET	MET	ASD	89	1951-58	1HSD	128	1954-65	P	-	No		
	D	N069382292		10	12				ASD	208	1959-76	1HSD	50	1960-64	C	S	FSD		
	M	N069363294		10	16				ASD	40	1976-79	DG	72	1974-79	C	MG	-	No	
Port Taharoa	M	N073240003	C	6	43	MAR	MET	MET	ASD	26	1977-79	DG	23	1978-79	C	MG	-	No	
	L	N073256025		6	23				ASD	33	1970-73	-	-	-	-	-	Yes		
	L	N073248001		6	36							-	-	-	-	-	Yes		
Whakarewarewa	CC	N076731013	D	6	305	FOR	MET	MET	-	-	MR	245	1951-71	C	-	No			
											DR	96	1972-79	C	MR	-	No		
Hinemoa Point	D	N076758063	D	10	307	ECO	MET	MET	ASD	89	1951-58	1HSD	89	1951-58	P	-	No		

Station	Anemometer Type	Grid Ref.	Exposure	Height (m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data					Errors Known	Remarks
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Rotorua Airport	D	N076723019	D	10	305	AVN	MET	MET	ASD	205	1939-55	IHSD	144	1939-50	P	-	No	
	M	N076781077		10	296				ASD	171	1964-79	IHSD	171	1964-79	C	FSD	No	
Tikitere	CC	N076812139	B	6	343	FOR	MET	MET				DR	29	1977-79	C	MR	No	
	CC	N077105053	E	7	71	FOR	MET	MET				DR	20	1978-79	C	MR	No	
Waimana	CC	N078515025	E	6	46	AGR	MET	MET				MR	12	1971	C	-	No	
			E	6	46	AGR	MET	MET				DR	96	1972-79	C	MR	No	
Kinleith	L	N084372875	E	20	403	FOR	FOR	MET	ASD	15	1977-79	IHSD	15	1977-79	C	-	No	
	CC	N085682696	B	9	640	ECO	MWD	MET				MR	1	1971	C	-	No	
Murupara	CC	N086141650	E	6	204	FOR	MET	MET				DR	91	1972-79	C	MR	No	
	CC	N093298482	D	6	589	ECO	MET	MET				DR	33	1977-79	C	MR	No	
Otutira	CC	N094543386	E	6	382	NZE	MET	MET				DR	46	1972-75	C	MR	No	
	CC	N094543386	E	6	382	NZE	MET	MET				MR	265	1949-71	C	-	No	
Taupo	CC	N094543386	E	6	382	NZE	MET	MET				DR	96	1972-79	C	MR	No	
	M	N094557311	D	10	417	AVN	MET	MET				IHSD	44	1972-75	C	-	No	
Wairakei	D	N094577449		13	529	EGY	MET	MET	ASD	36	1963-66	IHSD	36	1963-66	P	-	No	
	CC	N094582463	E	6	408	AGR	MET	MET				MR	12	1971	C	-	No	
Broadlands	L	N094756550	D	6	293	EGY	MWD	MET	ASD	32	1969-71	IHSD	32	1969-71	C	S	No	
	C	N094756569	E	10	361	POL	MET	MET	LSD	10	1978-79	IHSD	8	1978-79	C	+	No	
Ohaaki Tower	C	N094756569	D	70	421				LSD	10	1978-79	IHSD	8	1978-79	C	-	No	
	L	N094782550	D	6	299	EGY	MWD	MET	ASD	51	1975-79	IHSD	51	1975-79	C	S	No	
Waerenga-o-Kuri	CC	N097184358	E	6	320	AGR	MET	MET				MR	12	1971	C	-	No	
	CC	N098272359	E	6	15	AGR	MET	MET				DR	80	1972-79	C	MR	No	
Manutuke	CC	N098272359	E	6	15	AGR	MET	MET				MR	319	1945-71	C	-	No	
	CC	N101773136	F	6	176	ECO	MET	MET				DR	96	1972-79	C	MR	No	
Gisborne Airport	D	N098362377	D	10	14	AVN	MET	MET	ASD	82	1942-48	IHSD	230	1942-62	P	-	No	
	CC	N101773136	F	6	176	ECO	MET	MET	ASD	362	1948-79	IHSD	215	1962-79	C	S	No	
Taurunui	CC	N102288001	E	10	376	FOR	MET	MET				DG	96	1972-79	C	MG	No	
	D	N102288001	E	10	376	FOR	MET	MET	ASD	133	1968-79	IHSD	24	1978-79	C	-	No	
Whakapunake	M	N106993179	B	61	1067	ENG	MET	MET	ASD	9	1979						Yes	
	D	N108585878	E	10	71	ECO	MET	MET	ASD	53	1975-79	IHSD	51	1975-79	C	S	No	
Omata											DG	52	1975-79	C	MG	No		

0700 - 1800 only

Station	Anemometer Type	Grid Ref.	Exposure		Height(m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data					Errors Known	Remarks
			above ground	above M.S.L.	Type	No. Months				Period	Type	No. Months	Period	Type	No. Months	Period	Held in		
Paritutu	M	N108603914	B	10	71	ECO	MET	MET	AS	125	1966-77	IHS	125	1966-77	P	-	-	No	
New Plymouth Airport	D	N109745947	C	20	63	AVN	MET	MET	ASD	348	1939-68	IHSD	265	1939-62	P	-	FSD	No	
	M	N109751977	C	10	37				ASD	158	1966-79	DG	138	1968-79	C	-	-	No	
Chateau D.S.I.R.	M	N112041755	-	-	-	ECO	DSIR	MET	AS	4	1971	-	-	-	-	-	-	-	
Wairoa Aerodrome	D	N116804960	D	10	19	AVN	MET	MET	ASD	36	1954-57	IHSD	36	1954-57	P	-	-	No	
Cape Egmont	M	N118353647	C	10	31	MAR	MET	MET	ASD	103	1970-79	IHSD	103	1970-79	C	-	FSD	No	
	L	N119663626	B	2	1556	ECO	MET	MET	ASD	10	1970-71	DG	68	1972-77	C	-	-	No	
Egmont East	M	N119683617	B	10	1047	AVN	MET	MET	ASD	117	1970-79	IHSD	30	1970-73	P	-	-	No	
	CC	N119872582	D	6	317	AGR	MET	MET	-	-	-	MR	108	1962-71	C	-	-	No	
Stratford Dem. Farm	D	N121932493	D	10	620	AVN	MET	MET	ASD	43	1961-65	IHSD	43	1961-65	P	-	-	Yes	
Ohakune	L	N122024628	B	3	1668	ECO	MET	MET	ASD	20	1977-79	IHSD	9	1977-78	C	-	-	No	
	M	N122172428	E	10	831	SYN	MET	MET	ASD	121	1969-79	IHSD	12	1978-79	P	-	-	No	
Waiouru Military Camp	CC	N123852647	B	4	977	FOR	MET	MET	-	-	-	DG	22	1978-79	C	-	-	No	
	D	N124288422	D	10	12	AVN	MET	MET	ASD	230	1948-68	IHSD	91	1969-77	C	-	-	No	
Makahu Saddle	M	N124911467	B	7	421	FOR	MET	MET	ASD	138	1968-79	DG	87	1972-79	P	-	-	No	
	CC	N124302629	E	5	304	AGR	MET	MET	-	-	-	MR	57	1965-71	C	-	-	No	
Napier Airport	M	N124337407	C	23	26	MAR	MET	MET	ASD	39	1976-79	DR	40	1972-75	C	-	-	No	
	CC	N126634600	B	10	88	MAR	MET	MET	ASD	9	1979	DG	219	1949-79	C	-	FSD	No	
Tangoito	M	N129727347	D	6	104	AGR	MET	MET	-	-	-	IHSD	60	1970-74	C	-	FSD	No	
	M	N129827373	D	6	129	AGR	MET	MET	-	-	-	DR	84	1973-79	C	-	-	No	
Napier Harbour	CC	N134296183	E	6	15	AGR	MET	MET	-	-	-	MR	12	1971	C	-	-	No	
	M	N124337407	C	23	26	MAR	MET	MET	ASD	20	1978-79	IHSD	44	1972-75	C	-	-	No	
Kaweka	CC	N124911467	B	7	421	FOR	MET	MET	-	-	-	MR	12	1971	C	-	-	No	
	M	N126634600	B	10	88	MAR	MET	MET	ASD	9	1979	DG	96	1972-79	C	-	-	No	
Portland Island	M	N126634600	B	10	88	MAR	MET	MET	ASD	9	1979	DG	10	1979	P	-	-	No	
Maui A Platform	M	N129727347	D	6	104	AGR	MET	MET	-	-	-	IHSD	12	1979	C	-	-	No	
Manata	CC	N129727347	D	6	104	AGR	MET	MET	-	-	-	MR	49	1967-71	C	-	-	No	
	CC	N129827373	D	6	129	AGR	MET	MET	-	-	-	DR	96	1972-79	C	-	-	No	
Normanby	CC	N129827373	D	6	129	AGR	MET	MET	-	-	-	DR	31	1977-79	C	-	-	No	
Havelock North	CC	N134296183	E	6	15	AGR	MET	MET	-	-	-	MR	3	1971	C	-	-	No	
	CC	N134296183	E	6	15	AGR	MET	MET	-	-	-	DR	79	1972-79	C	-	-	No	

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Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data held	Raw Data			Derived Data					Errors Known	Remarks
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	held in	Analyses		
Wanganui Airport	D	N13856831	C	13	22	AVN	MET	MET	ASD	210	1954-70	IHSD	72	1954-60	P	-	No	0700 - 1800 only
	M	N138563822		10	22				ASD	86	1972-79	IHSD DG	60 96	1965-69 1971-79	C C	FSD S	No No	
Wanganui	CC	N138578864	D	5	27	ECO	MET	MET	-	-	-	MR DR	416 96	1937-71 1972-79	C C	- MR	No No	
Makaretu	CC	N140768843	D	6	341	AGR	MET	MET	-	-	-	DR	76	1973-79	C	MR	No	
Ohakea	D	N143882542	E	20	68	AVN	MET	MET	ASD	300	1938-62	IHSD	294	1938-61	P	-	No	0700 - 1800 only
	M			6	53				ASD	12	1974	-	-	-	-	-	Yes	
	M		D	9	57				ASD	60	1975-79	IHSD	120	1960-79	C	S	No	
	M		E	22	69				ASD	204	1963-79	IHSD DG	96	1972-79	C	MG	No	
Dannevirke	D	N145567599	D	13	220	AVN	MET	MET	ASD	36	1961-64	IHSD DG	36	1961-64	C	MG	No	
Pukepuke Lagoon	L	N148784375	D	6	12	ECO	MMD	MET	ASD	31	1970-72	IHSD	11	1977-78	C	-	Yes	
Flockhouse, Bulls	CC	N148797483	D	6	15	AGR	MET	MET	-	-	-	MR DR	8 69	1971 1972-79	C C	MR	No No	
	CC	N148971372	D	6	21	AGR	MET	MET	-	-	-	MR DR	24 96	1970-71 1972-79	C C	MR	No No	
Massey University	CC	N149103311	E	6	81	AGR	UNI	MET	-	-	-	MR DR	9 93	1971 1972-79	C C	MR	No No	
Palmerston North D.S.I.R	CC	N149104323	D	6	40	AGR	MET	MET	-	-	-	MR DR	513 96	1928-71 1972-79	C C	MR	No No	0700 - 1800 only
	D	N149108390	D	9	52	AVN	MET	MET	ASD	211	1940-79	IHSD IHSD	115 60	1940-70 1965-69	P C	S S	Yes Yes	
Palmerston North Airport	M			10	55				ASD	55	1975-79	DG	65	1974-79	C	MG	No	
Mangamutu	CC	N149289234	E	6	122	AGR	MET	MET	-	-	-	MR DR	406 96	1937-71 1972-79	C C	MR	No No	
Wharite Peak	M	N149331475	A	122	1036	ENG	MET	MET	ASD	13	1978-79	IHSD	175	1966-79	C	S	Yes	Limited hours 1966-76
Levin	D	N152787996	E	13	59	AGR	MAF	MET	ASD	156	1966-79	IHSD MR	141 216	1968-79 1954-71	C C	S MR	No No	
	CC			6	52				-	-	-	DR DG	93 94	1972-79 1972-79	C C	MR MG	No No	
Levin Aero	D	N152788993	D	10	56	AVN	MET	MET	ASD	12	1942-43	IHSD	13	1942-43	P	-	No	
Shannon	D	N152922117	E	14	26	ENG	MET	MET	ASD	100	1937-51	IHSD	100	1937-46	P	-	No	
Paraparaumu Aero	D	N156530688	D	11	18	AVN	MET	MET	ASD	427	1937-72	IHSD	231	1937-62	P	S	No	0700 - 1800 only
	M		D	14	26	AVN	MET	MET	ASD	88	1972-79	IHSD DG	127 96	1962-72 1972-79	C C	S MG	No No	
Te Horo	L	N157628840	C	10	15	AVN	MET	MET	ASD	84	1971-77	IHSD	56	1972-76	C	S	No	

Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Operated by	Data height	Raw Data			Derived Data					Errors Known	Remarks
				above ground	above M.S.L.			Type	No. Months	Period	Type	No. Months	Period	Heid in	Analyses		
								ASD									
Roaring Meg	L	N157730714	D	10	467	ENG	PRI	MET	ASD	12	1976-78	1HSD	23	1976-78	C	-	No
Tararua Peaks	L	N157846680	F	10	1214	ENG	PRI	MET	ASD	11	1976-78	1HSD	22	1976-78	C	-	No
Masteron Airfield	D	N158128604	D	10	126	AWN	MET	MET	ASD	38	1956-59	1HSD	34	1956-59	C	-	No
	M			10	126												No
Castlepoint	M	N159668684	C	10	40	MAR	MET	MET	ASD	116	1970-79	3HSD DG	108 89	1962-70 1972-79	C	FSD	No
																	No
Mana Island	L	N160339461	B	6	117	ECO	MET	MET	ASD	14	1977-78	1HSD	13	1977-78	C	FSD	No
Cliff Point	L	N160351339	B	6	219	ECO	LB	MET	ASD	35	1973-76	1HSD	30	1973-76	C	-	No
Colonial Knob	M	N160361380	B	21	486	ECO	MET	MET	AS	44	1963-66	1HS	32	1963-65	P	-	No
Titahi Bay	M	N160398462	C	19	80	SYN	MET	MET	-	-	-	3HSD	120	1961-70	C	-	No
Pauatahanui	L	N160456437	D	6	37	ECO	MET	MET	ASD	22	1976-78	1HSD MR DR	22 12 79	1976-78 1971 1972-78	C	-	No
	CC			6	37												No
Upper Hutt	L		F	6	6	POL	MET	MET	ASD	2	1978	1HSD	17	1977-79	C	-	No
Wallaceville	CC	N161589407	F	6	62	AGR	MET	MET	-	-	-	MR DR	366 96	1940-71 1972-79	C	-	No
	L		F	7	63	POL	MAF	MET	ASD	6	1979	1HSD	30	1977-79	C	FSD	No
Kaitoke	CC	N161717475	E	6	228	AGR	MET	MET	-	-	-	MR DR	64 73	1966-71 1972-79	C	-	No
	CC	N161891424	D	6	52	AGR	MET	MET	-	-	-	MR DR	12 96	1971 1972-79	C	-	No
Tauherenikau Allua	CC		D	6	52	AGR	MET	MET	-	-	-	MR DR	12 96	1971 1972-79	C	-	No
Lake Wairarapa	L	N161816373	D	6	15	ECO	CB	MET	ASD	57	1974-79	1HSD	57	1974-79	C	-	No
Waingawa	CC	N162103596	E	6	120	AGR	MET	MET	-	-	-	MR DR	360 96	1942-71 1972-79	C	-	No
East Taratahi	CC	N162113553	D	6	98	AGR	MET	MET	-	-	-	DR	72	1972-78	C	-	No
Gladstone Arapura	CC	N162117417	E	6	122	AGR	MET	MET	-	-	-	DR	87	1972-79	C	-	No
Pakaraka	M	N162172564	B	6	158	AGR	UNI	MET	AS	7	1979	-	-	-	-	-	No
Oteranga Bay	M	N164203208	C	29	204	ENG	MET	MET	ASD	30	1965-67	-	-	-	-	-	Yes
	M	N164207205	C	12	165				ASD	147	1967-79	1HSD	24	1977-79	P	-	Yes
Makara	CC	N164262262	B	6	285	AGR	MET	MET	-	-	-	DR	44	1972-75	C	-	No
Hawkins Hill	M	N164292167	B	10	510	ENG	MET	MET	AS	156	1959-72	IHS	82	1965-71	C	-	No
Keibum	D	N164329222	B	13	131	SYN	MET	MET	ASD	467	1928-66	1HSD	58	1962-66	C	FSD	No
	M			19	146				ASD	158	1966-79	1HSD DG	158 96	1966-79 1972-79	C	FSD	No
	CC			6	131				-	-	-	DR	624	1928-79	C	-	No

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Station	Anemometer Type	Grid Ref.	Exposure	Height (m)		Primary Purpose	Operated by	Data Held by	Raw Data			Derived Data					Errors Known	Remarks	
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Hold in	Analyses			
<u>SOUTH ISLAND</u> Farewell Spit	M	S004398181	C	6	10	MAR	MET	MET	ASD	121	1969-79	6HSD 1HSD DG	219	1961-79	C	S	FSD	No	
Arapito	CC	S012609316	F	6	26	AGR	PRI	MET	-	-	-	DR	2	1979	C	MR	-	No	
Riwaka	CC	S014351514	D	4	12	AGR	MET	MET	-	-	-	MR	177	1957-71	C	-	-	No	Mast raised 1977 Non standard height 1975 05 - 1977 02
	L			6	18		DSIR	MET	ASD	108	1971-79	-	75	1972-79	C	MR	-	No	
Ra1 Valley	CC	S015908346	F	6	85	FOR	MET	MET	-	-	-	MR	12	1971	C	-	-	No	
Elie Bay	L	S016289456	E	6	15	ECO	UNI	MET	ASD	2	1974	1HSD	56	1970-75	C	S	FSD	No	
Brothers Island	M	S016702471	B	24	88	MAR	MET	MET	-	-	-	DR	96	1972-79	C	MR	-	No	
Sherry Lookout	V	S019077098	B	7	1035	FOR	FOR	FOR	ASD	-	Oct-Apr	-	-	-	-	-	-	-	0700-1800 only
Tapawera	L	S019197160	E	6	152	FOR	FOR	MET	ASD	13	1978-79	1HSD	12	1978-79	C	-	-	No	
Moutere Hills	CC	S020442196	B	6	116	AGR	MET	MET	-	-	-	MR	12	1971	C	MR	-	No	
Appley	L	S020465276	D	6	23	ECO	MWD	MET	ASD	1	1979	-	-	-	-	-	-	No	
	CC			6	23	AGR	MET	MET	-	-	-	MR	12	1971	C	MR	-	No	
Nelson Airport	D	S020581266	D	9	11	AVN	MET	MET	ASD	258	1940-62	1HSD	258	1940-62	P	-	-	No	
	M			10	20				ASD	204	1963-79	1HSD	203	1962-79	C	S	FSD	No	
Okiwa Bay	L	S021216277	C	9	11	ENG	MET	MET	ASD	11	1959-61	DG	96	1972-79	C	MG	-	No	
Picton	M	S022296283	F	10	15	MAR	HB	MET	ASD	80	1973-79	1HSD	66	1974-79	C	S	FSD	No	
Westport Airport	D	S024073745	E	13	15	AVN	MET	MET	ASD	428	1944-79	1HSD DG	204	1949-78	C	S	FSD	No	
Westport Harbour	CC	S024086737	C	10	20	EGY	UNI	UNI	-	-	-	DR	12	1976-77	C	-	-	No	
	M			10	12	MAR	MET	MET	-	-	-	XR	31	1977-79	C	-	-	No	
Coal Plateau S	L	S024329751	B	6	576	POL	MET	MET	-	-	-	3HSD	225	1961-79	C	S	FSD	No	
Coal Plateau N	L	S024364843	B	6	645	POL	MET	MET	-	-	-	1HSD	5	1975	C	-	-	No	
Charming Creek	L	S024382910	F	-	-	POL	MET	MET	-	-	-	1HSD	12	1975-76	C	-	-	No	
Repo Basin	L	S024388875	D	10	370	POL	MET	MET	ASD	30	1977-79	1HSD	16	1975-76	C	-	-	No	
	L			30	390								30	1977-79	C	-	-	No	

Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data					Errors Known	Remarks
				above ground	M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Golden Downs	CC	S026262970	E	6	280	FOR	MET	MET	-	-	MR	12	1971	C	-	-	No	
									ASD	4	1979	96	1972-79	C	MR	-	No	
Golden Downs B	L	S026267846	E	6	516	FOR	FOR	MET	ASD	-	-	-	-	-	-	-	No	
Black Birch Summit	L	S028072701	B	6	1698	ECO	MET	MET	ASD	19	1975-78	17	1976-78	P	-	-	No	
Black Birch Range	L	S028096707	B	6	1402	AGR	MMD	MET	ASD	23	1975-78	56	1970-75	C	S	FSD	No	
									ASD	31	1975-78	31	1971-75	C	MG	-	No	
Blenheim Airport	D	S028165986	D	28	55	AVN	MET	MET	ASD	247	1941-61	24	1949-50	C	-	-	No	
									ASD	214	1961-79	138	1941-52	P	-	-	No	
									ASD	-	-	60	1970-74	C	S	-	No	
									ASD	-	-	96	1972-79	C	MG	-	No	
Wither Hills	CC	S028247953	E	6	38	AGR	MET	MET	-	-	MR	24	1970-71	C	-	-	No	
									-	-	DR	60	1972-76	C	MR	-	No	
Vernon Lagoons	D	S029313963	D	9	11	ECO	MET	MET	ASD	120	1969-79	79	1973-79	C	MG	-	No	
Lake Grassmere	D	S029408723	C	10	12	ECO	MET	MET	ASD	96	1962-70	40	1962-66	P	-	-	No	
									ASD	111	1970-79	227	1953-71	-	-	-	No	
									ASD	-	-	96	1972-79	C	MR	-	No	
									ASD	-	-	87	1972-79	C	MG	-	No	
Cape Campbell	M	S029525717	C	10	22	MAR	MET	MET	-	-	6HSD	219	1961-79	C	S	FSD	No	
Tawhai Forest	O	S038265325	F	6	240	ECO	FOR	FOR	LR	15	1977-79	15	1977-79	-	-	-	No	
									LR	15	1977-79	15	1977-79	-	-	-	No	
Kaikoura	M	S049973893	C	7	106	SYN	MET	MET	ASD	192	1964-79	192	1964-79	C	S	FSD	No	
									ASD	93	1964-79	93	1972-79	C	MG	-	No	
Hokitika South	D	S050514533	D	10	12	AVN	MET	MET	ASD	242	1944-65	242	1944-64	P	-	-	No	
Hokitika Airport	M	S050542560	D	10	46	AVN	MET	MET	ASD	159	1966-79	181	1964-79	C	S	FSD	No	
									ASD	16	1978-79	96	1972-79	C	MG	-	No	
Boyle River	CC	S053768738	D	10	533	EGY	UNI	UNI	LR	16	1978-79	34	1975-78	-	-	-	No	
									LR	16	1978-79	16	1978-79	-	-	-	No	
Hammer Forest	CC	S054217787	E	5	393	FOR	MET	MET	-	-	MR	538	1927-71	C	-	-	No	
									-	-	DR	96	1972-79	C	MR	-	No	
									-	-	IHSD	6	1979	C	-	-	No	
Hawarden	CC	S061030289	D	8	-	EGY	PB	PB	-	-	DR	Unspecified	-	-	-	-	No	
Ba Imoral Forest	CC	S061117371	D	6	204	FOR	MET	MET	-	-	DR	96	1972-79	C	MR	-	No	
Culverden	CC	S061226499	D	10	183	EGY	UNI	UNI	LR	16	1978-79	28	1975-77	-	-	-	No	
									LR	16	1978-79	16	1978-79	-	-	-	No	
Hawarden	CC	S061959196	D	10	240	EGY	UNI	UNI	-	-	DR	29	1977-79	-	-	-	No	

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Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data held	Raw Data			Derived Data					Errors known	Remarks
				above ground	above S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Tuke Hut	CC	S064455101	F	2	992	ECO	MWD	MWD	-	-	-	MR	22	1976-78	-	-	No	
Tuke Mast	CC	S064455101	F	0.6	991	ECO	MWD	MWD	LR	5	1977-78	XR	5	1977-78	-	-	No	
	CC			1	992				LR	5	1977-78	XR	5	1977-78	-	-	No	
	CC			3	993				LR	5	1977-78	XR	5	1977-78	-	-	No	
Tuke Spur	CC	S064462109	F	2	1402	ECO	MWD	MWD	-	-	-	MR	8	1976	-	-	No	
Tuke Basin	CC	S064465105	F	2	1282	ECO	MWD	MWD	-	-	-	MR	4	1976	-	-	No	
	L			2	1282				ASD	4	1976	1HSD	4	1976	-	-	No	
Ivory Glacier	CC	S064477047	F	3	1403	ECO	MWD	MWD	LR	30	1976-79	XR	30	1976-79	-	-	No	
	CC			3	1403				LR	11	1979	MR	11	1979	P	-	No	
	CC			2	1407				LR	43	1971-75	XR	43	1971-75	-	-	No	
	MGR			1	1401				-	-	-	XG	14	1970-72	-	-	Yes	
Tuke Ledge	CC	S064482097	F	2	1712	ECO	MWD	MWD	-	-	-	MR	5	1976	-	-	Yes	
Prices Flat	L	S065561080	F	2	402	ECO	MWD	MWD	ASD	9	1976-77	DSD	9	1976-77	P	-	No	
Cat Creek Hut	CC	S065582082	F	2	1142	ECO	MWD	MWD	ASD	4	1976	MR	12	1977-78	P	-	No	
	L			2	1142				-	-	-	DSD	4	1976	-	-	No	
Cat Creek Shelf	CC	S065589079	F	2	1435	ECO	MWD	MWD	-	-	-	MR	13	1978-79	-	-	No	
Ski Basin	CC	S066163058	B	3	1558	FOR	FOR	MET	-	-	-	MR	64	1966-71	C	-	No	
	CC			2	1435				-	-	-	DR	93	1972-79	C	-	No	
Camp Stream	CC	S066184058	B	2	1435	FOR	FOR	FOR	-	-	-	DR	66	1969-74	-	-	No	
	L			2	1433				ASD	22	1966-68	1HSD	22	1966-68	P	-	Yes	
Craigieburn Forest	L	S066191028	D	7	947	ECO	FOR	MET	ASD	79	1973-79	1HSD	54	1974-78	C	-	No	
	CC		F	6	920		FOR	FOR	-	-	-	MR	50	1967-71	C	-	No	
Amberley	M	S068091028	D	8	-	EGY	PB	PB	-	-	-	AS	Unspecified	-	-	-	No	
Maipara	CC	S068118128	D	6	70	FOR	MET	MET	-	-	-	DR	1	1979	C	MR	No	
Ashley Forest	L	S068958922	D	6	195	FOR	FOR	MET	ASD	1	1978	1HSD	4	1976-77	C	-	No	
Lye11 Lake	CC	S072460842	F	0.5	991	ECO	MWD	MWD	LR	1	1977	XR	1	1977	-	-	No	
	CC			1	991				LR	1	1977	XR	1	1977	-	-	No	
	CC			3	993				LR	1	1977	XR	1	1977	-	-	No	
Jellicoe Bog	CC	S073662874	F	2	792	ECO	MWD	MWD	-	-	-	MR	29	1977-79	-	-	No	
Mt Hutt	L	S074025620	B	2	2075	ECO	MWD	MWD	ASD	5	1977-78	DSD	5	1977-78	P	-	No	
	P			2	2075				AS	17	1978-79	DG	17	1978-79	P	-	No	
Lake Coleridge	M	S074026772	E	29	393	NZE	MET	MET	AS	34	1975-78	1HS	12	1976-77	C	-	No	
Porter Heights	L	S074127880	F	6	1286	ENG	MET	MET	ASD	10	1978-79	-	-	-	-	-	No	

Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data Held by	Raw Data				Derived Data				Errors Known	Remarks		
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses				
Dry Acheron	CC	S074145728	F	1	671	ECO	MWD	MWD	LR	24	1978-79	XR	24	1978-79	-	-	No			
	CC			2	672			LR	24	1978-79	XR	24	1978-79	-	-	-	-	No		
	CC			5	675			LR	24	1978-79	XR	24	1978-79	-	-	-	-	No		
Round Top	M	S074184618	B	8	897	ENG	MET	AS	63	1974-79	IHS	12	1978-79	C	-	-	Yes			
Waikakariri Gorge	M	S075467773	D	9	1180	ENG	MET	AS	18	1968-69	IHS	18	1968-69	P	-	-	Yes			
Darfield	CC	S075544617	D	8	204	EGY	UNI	UNI	-	-	-	-	30	1976-79	-	-	No			
Eyrewell Forest	M	S075728694	E	52	192	FOR	FOR	MET	ASD	129	1969-79	IHS	72	1969-74	C	S	FSD	Yes		
													39	1973-77	C	MG	-	No		
Rangiora B	M	S075787847	E	8	-	EGY	PB	PB	-	-	-	-	AS	unspecified	-	-	-	-	-	
Christchurch Airport	D	S076915610	D	12	41	AVN	MET	MET	ASD	156	1941-53	IHS	144	1942-53	P	-	-	No		
	D	S076918611							ASD	108	1953-62	IHS	96	1953-60	P	-	-	No		
	M	S076911612							ASD	204	1963-79	IHS	240	1960-79	C	S	FSD	No		
Rangiora A	M	S076964848	E	15	-	EGY	PB	PB	-	-	-	-	AS	unspecified	-	-	-	No		
Mt Olivier	CC	S079734323	B	2	1918	ENG	MWD	MET	-	-	-	-	MR	25	1967-69	P	-	-	No	
Mueller Hutt	CC	S079734331	B	4	1774	ENG	MWD	MET	AS	30	1967-69	IHS	17	1967-69	P	-	-	Yes		
	MM			4	1774									8	1967-69	P	-	-	Yes	
Mueller Ridge	CC	S079743333	B	2	1342	ENG	MWD	MET	-	-	-	-	MR	10	1968-69	P	-	-	Yes	
Oliver Ridge	L	S079744327	B	2	1292	ENG	MWD	MET	ASD	7	1968-69	IHS	7	1968-69	P	-	-	Yes		
Hermitage, Mt Cook	CC	S079761313	F	5	767	SYN	MET	MET	-	-	-	-	MR	415	1928-71	C	-	-	No	
				1	2331										DR	96	1972-79	C	MR	-
Tasman Glacier	CC	S079976583	F	4	2324	ECO	MWD	MWD	AR	58	1967-72	XR	58	1967-72	-	-	-	No		
	MGR			1	2331							XC	27	1969-71	P	-	-	No		
Mt Somers, Canterbury	CC	S081942360	D	10	345	EGY	UNI	UNI	-	-	-	-	DR	20	1975-76	-	-	-	No	
Mt Hutt, Rakaia	CC	S082106572	D	10	455	EGY	UNI	UNI	-	-	-	-	DR	31	1975-78	-	-	-	No	
Rakaia Gorge	CC	S082131584	D	8	335	EGY	UNI	UNI	-	-	-	-	DR	31	1975-78	C	-	-	No	
Methven	CC	S082146487	E	33	355	EGY	UNI	UNI	-	-	-	-	DR	14	1975-77	-	-	-	No	
Highbank Power Stn	CC	S082205513	D	6	341	EGY	MET	MET	-	-	-	-	MR	156	1954-71	C	-	-	No	
													DR	94	1972-79	C	MR	-	No	
Highbank	CC	S082184517	E	33	355	EGY	UNI	UNI	-	-	-	-	DR	51	1975-79	-	-	-	No	
Tower 526	M	S082223547	D	26	372	ENG	MET	MET	AS	140	1966-79	IHS	128	1966-78	P	-	-	Yes		
Tower 569	M	S082422433	D	26	194	ENG	MET	MET	AS	117	1966-79	IHS	105	1966-78	P	-	-	Yes		
															1	1972	C	-	-	No

Station	Anemometer Type	Grid Ref.	Exposure	Height (m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data				Errors known	Remarks			
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in			Analyses		
Lincoln College	CC	S083844425	E	10	21	EGY	UNI	UNI	ASD	56	1975-79	DR	24	1975-77	-	-	No			
	CC			6	18	AGR	MET	MET	-	516	1975-79	IHSD	56	1975-79	-	-	No			
	L			12	26	AGR	UNI	UNI	-	-	-	DR	6	1972-79	C	MR	-	-	No	
Templeton	CC	S083851544	D	3	49	AGR	MET	MET	-	-	-	DR	19	1978-79	C	MR	-	-	No	
	CC			6	18	AGR	DSIR	DSIR	-	80	1969-79	IHSD	36	1977-79	C	MR	-	-	No	
Broadfield, Lincoln	L	S084005372	E	-	13	POL	HD	MET	ASD	-	-	IHSD	4	1978	C	S	-	-	No	
	CC			122	496	EGY	UNI	UNI	LR	-	8	1978-79	DR	18	1976-78	-	-	No		
Sugar Loaf	CC	S084014473	E	24	496	-	-	UNI	LR	-	-	DR	18	1976-78	-	-	No			
	CC			12	21	POL	LB	MET	ASD	173	1965-79	IHSD	153	1967-79	C	S	FSD	-	No	
Bromley	D	S084063568	E	12	21	POL	LB	MET	ASD	173	1965-79	IHSD	153	1967-79	C	S	FSD	-	No	
Mt Pleasant	CC	S084083489	F	20	500	EGY	UNI	UNI	LR	17	1978-79	DR	18	1976-78	-	-	No			
Lyttelton Harbour	L	S084088466	C	6	10	MAR	HB	MET	ASD	49	1971-77	IHSD	35	1974-77	C	S	-	-	No	
	M			10	13	MAR	HB	MET	ASD	1	1979	-	-	-	-	-	-	-	-	No
Wigram Aero	D	S084926539	E	15	37	AVN	MET	MET	ASD	600	1930-79	IHSD	293	1930-52	P	-	-	-	No	
	D			20	41	-	-	MET	ASD	1	1979	-	-	-	-	-	-	-	-	No
Motukarara	CC	S084978313	D	10	20	EGY	UNI	UNI	-	-	-	DR	53	1975-79	-	-	-	-	No	
	M			11	14	SYN	MET	MET	-	-	-	-	6HSD	219	1961-79	C	S	FSD	-	No
Haast	M	S087808136	E	11	14	SYN	MET	MET	-	-	-	-	-	-	-	-	-	-	No	
Mt John	M	S089092011	B	6	1032	ECO	MET	MET	ASD	153	1967-79	IHSD	147	1967-79	C	S	FSD	-	No	
	M			2	2242	ENG	MMD	MET	-	-	-	-	DR	96	1972-79	C	MG	-	-	No
Mt Annette	CC	S089733289	B	2	2242	ENG	MMD	MET	-	-	-	MR	6	1967	P	-	-	-	Yes	
	M			10	665	AVN	MET	MET	AS	8	1967-68	IHS	2	1967-68	P	-	-	-	Yes	
Mt Cook, Tasman Aero	M	S089796273	D	10	665	AVN	MET	MET	ASD	7	1968-69	IHSD	2	1968	P	-	-	-	Yes	
	D			14	99	AVN	-	MET	ASD	68	1973-79	IHSD	30	1973-76	C	-	-	-	-	No
Ashburton	D	S092217123	D	14	99	AVN	-	MET	ASD	129	1943-54	IHSD	122	1943-54	P	-	-	-	-	No
	D			10	170	AGR	MAF	MET	ASD	116	1970-79	IHSD	113	1970-79	C	S	FSD	-	Yes	
Winchmore	CC	S092259201	D	6	166	-	-	MET	-	-	-	MR	266	1949-71	C	-	-	-	No	
	CC			10	166	-	-	MET	-	-	-	-	DR	96	1972-79	C	MR	-	-	No
Seafield	CC	S092391034	D	10	15	EGY	UNI	UNI	LR	8	1978-79	DR	29	1975-79	-	-	-	-	No	
	CC			10	12	EGY	UNI	UNI	-	-	-	-	XR	8	1978-79	-	-	-	-	No
Rakaia Huts	CC	S093646143	D	10	12	EGY	UNI	UNI	-	-	-	DR	30	1975-77	-	-	-	-	No	
Taumutu Ellesmere	D	S093768175	C	11	14	ECO	CB	MET	ASD	147	1950-62	IHSD	147	1950-62	P	-	-	-	Yes	

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Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Operated by	Primary Purpose	Data held	Raw Data			Derived Data					Errors Known	Remarks
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Birdlings Flat	CC	S094044208	C	10	14	UNI	EGY	UNI	LR	15	1978-79	DR	24	1975-77	-	-	No	
Lake Tekapo	L	S100060910	D	10	705	MWD	EGY	MET	-	-	-	XR	15	1978-79	-	-	No	
	L	S100088974	D	6	697	ASD	EGY	MET	ASD	32	1977-79	-	44	1969-72	C	S	FSD	
Lake Pukaki	D	S100804770	D	10	559	MWD	EGY	MET	ASD	118	1970-79	3HSD	73	1970-76	C	S	FSD	
Coldstream+Canterbury	CC	S103027813	E	10	15	UNI	EGY	UNI	-	-	-	DR	32	1975-77	C	MG	-	
	CC	S111709474	D	6	91	MWD	AGR	MET	-	-	-	MR	12	1971	C	-	No	
Timaru Airport	D	S111760629	D	11	36	MWD	AVN	MET	ASD	339	1946-67	1HSD	108	1947-57	P	-	No	
	M	S113900111	C	10	13	MWD	AVN	MET	ASD	78	1973-79	1HSD	60	1958-62	C	S	FSD	Yes
Milford Sound	M	S116599344	D	6	494	MWD	AGR	MET	-	-	-	DR	95	1972-79	C	MR	No	
Tara Hills, Omarama	CC	S117945117	B	3	1722	UNI	EGY	UNI	-	-	-	MR	30	1975-77	-	-	No	
Mount St Mary	CC	S117983200	D	37	418	MWD	ENG	MET	ASD	30	1965-68	1HSD	118	1969-78	C	-	No	
Aviemore	M	S119606104	E	6	67	MWD	ECO	MET	ASD	141	1968-79	DG	84	1973-78	C	MG	No	
Waimate	CC	S125251813	B	10	900	UNI	EGY	UNI	-	-	-	MR	504	1931-71	C	-	No	
Thomsons Saddle B	CC	S125255805	B	10	820	UNI	EGY	UNI	-	-	-	DR	96	1972-79	C	MR	No	
Thomsons Saddle A	CC	S127144048	F	6	189	MWD	AGR	MET	-	-	-	XR	31	1975-78	-	-	No	
Otiake Farm	CC	S128639818	D	6	36	MWD	AVN	MET	ASD	28	1944-46	1HSD	28	1944-46	P	-	No	
Oamaru Airport	M	S132618716	D	9	358	MWD	AVN	MET	ASD	137	1968-79	1HSD	131	1960-74	C	S	FSD	0700 - 1800 only, 1970-74
Queenstown Airport	M	S133024724	D	6	210	MWD	ECO	MET	ASD	40	1976-79	DG	96	1972-79	C	MG	FSD	0700 - 1800 only, 1977-79
Nth of Cromwell	L	S133057505	D	10	609	UNI	EGY	UNI	-	-	-	1HSD	39	1976-79	C	-	No	
Fraser Dam	CC	S133070653	F	2	185	MWD	ECO	UNI	-	-	-	XR	32	1975-78	-	MR	No	
Cromwell Gorge	L	S133118528	F	6	168	MWD	ECO	MET	ASD	20	1978-79	1HSD	42	1973-77	C	S	FSD	
Clyde Dam	L	S133153796	F	10	884	UNI	EGY	UNI	LS	51	1975-79	-	19	1978-79	C	S	FSD	
Bendigo Station	CC	S134330797	D	5	1220	UNI	EGY	UNI	-	-	-	XR	2	1975	-	-	No	

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				above ground	above M.S.L.			Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Lauder DSIR B	CC	S134434719	D	10	381	UNI	UNI	-	-	-	DR	32	1975-78	-	-	No	
Lauder DSIR A	CC	S134437718	D	10	366	UNI	UNI	-	-	-	DR	10	1974-75	-	-	No	
Nth Rough Ridge	CC	S134585625	B	6	1013	UNI	UNI	-	-	-	XR	40	1974-78	-	-	No	
Ranfurly	CC	S135795621	E	6	433	MET	MET	-	-	-	DR	56	1975-79	C	MR	No	
ObeTisk	CC	S143033366	B	6	1695	UNI	UNI	-	-	-	DR	11	1979	-	-	No	
Alexandra Aero	D	S143173493	D	10	227	AVN	MET	ASD	24	1948-57	IHSD	22	1948-50	C	S	No	
Alexandra	CC	S143188448	F	6	146	MET	MET	-	-	-	MR	189	1942-71	C	-	No	
Rocky Peak	CC	S144619270	B	10	738	UNI	UNI	-	-	-	MR	96	1972-79	C	MR	No	
Rock and Pillar	L	S145782263	B	2	1350	ECO	UNI	ASD	17	1978-79	IHSD	17	1978-79	P	-	No	
Rock and Pillar A	CC	S145783402	D	10	990	UNI	UNI	-	-	-	MR	28	1974-76	-	-	No	
Rock and Pillar B	CC	S145788387	D	7	1097	UNI	UNI	LS	23	1975-77	-	-	1975-77	-	-	No	
Roxburgh East	M	S152154102	F	10	305	UNI	UNI	AS	22	1977-79	-	-	-	-	-	No	
Mount Teviot	L	S153324042	B	10	977	UNI	UNI	ASD	47	1976-79	IHSD	47	1976-79	-	-	No	
Rocklands Trig P	S	S153605071	D	10	946	UNI	UNI	LS	unspecified	-	-	-	-	-	-	No	
Rocklands Site B	CC	S153638045	B	10	853	UNI	UNI	-	-	-	MR	33	1975-78	-	-	No	
Rocklands Site A	CC	S153638055	E	10	823	UNI	UNI	-	-	-	MR	42	1974-78	-	-	No	
Rocklands Trig V (III)	O	S154684968	D	10	602	UNI	UNI	LR	12	1978-79	XR	12	1978-79	-	-	No	
(II)	CC	S154685968	D	20	612			LR	12	1978-79	XR	12	1978-79	-	-	No	
				30	622			LR	12	1978-79	XR	12	1978-79	-	-	No	
Lumsden AMS	M	S160404827	D	11	198	SYN	MET	ASD	34	1977-79	-	-	-	-	-	No	
				5	411			UNI	-	-	WR	36	1977-79	-	-	No	
Shelleys	CC	S161116828	B	10	34	AVN	MET	ASD	301	1940-79	IHSD	246	1940-60	P	-	No	
Invermay, Tateri	D	S163053731	D	6	36	AGR	MAF	ASD	11	1979	06	55	1961-79	C	-	No	
				12	12			POL	UNI	-	-	90	1972-77	C	MG	-	No
Kaikorai Estuary	L	S163075675	F	10	12	UNI	-	-	-	-	IHSD	20	1974-76	C	-	No	
Mahinerangi Dam	CC	S163706700	E	6	400	ECO	MET	-	-	-	MR	7	1971	C	-	No	
				6	400			MR	95	1972-79	C	-	No				

Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data					Errors Known	Remarks
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses		
Dunedin Airport	D M	S163896650	D	10 10	11 11	AVN	MET	MET	ASD ASD	63 206	1953-59 1962-79	IHSD IHSD DG	63 181 96	1953-59 1962-79 1972-79	P C C	- S MG	- FSD -	No No No
John Wilson Drive	L	S164175675	C	7	30	POL	LB	MET	ASD	14	1969-70	IHSD	14	1969-70	P	-	-	No
Mt Cargill	CC,S	S164196791	B	10	676	EGY	UNI	UNI	LS	19	1975-77	XR	19	1975-77	-	-	-	No
Signal Hill	CC,S	S164200745	B	6	392	EGY	UNI	UNI	LS	19	1975-77	WR	19	1975-77	-	-	-	No
Maori Head	O	S164208674	C	14	71	POL	LB	MET	-	-	-	IHSD	11	1965-66	P	-	-	No
Sandfly Bay	CC	S164280696	C	10	76	EGY	UNI	UNI	-	-	-	XR	5	1975	-	-	-	No
Sandy Mount	CC,S	S164293693	B	10	262	EGY	UNI	UNI	LS	22	1975-77	MR	22	1975-77	-	-	-	No
Tataroa Head	M	S164344837	B	15 8	90 83	MAR	MET	MET	ASD	59	1975-79	6HSD IHSD DG	153 58 50	1961-75 1975-79 1975-79	C S C	- S MG	- FSD -	No No No
Cape Saunders	S M	S164345713	C	10 10	91 91	EGY	UNI	UNI	LS	58	1975-79	unspecified	unspecified	-	-	-	-	No No
Winton	CC	S169321325	D	6	50	ECO	MET	MET	-	-	-	DR	95	1972-79	C	MR	-	No
Gore	CC	S170796394	D	6	129	AGR	MET	MET	-	-	-	MR DR	76 96	1965-71 1972-79	C C	- MR	- -	No No
Gore Aero	D	S170833406	D	10	81	AVN	MET	MET	ASD	47	1960-64	IHSD	47	1960-64	C	-	-	No
Puysegur Point	M	S173871251	B	6	-	SYN	MET	MET	-	-	-	6HSD	169	1961-79	C	S	FSD	Yes
Invercargill Aero	D D M	- - S177334007	D	10	11	AVN	MET	MET	ASD ASD ASD	78 179 182	1942-48 1950-64 1964-79	IHSD IHSD DG	211 240 96	1942-59 1960-79 1972-79	P C C	- S MG	- FSD -	No No No
Telford Farm	S,CC	S179513193	E	10	21	EGY	UNI	UNI	-	-	-	MR	19	1975-77	-	-	-	No
Finegand, Balclutha	CC	S179516222	E	6	12	ENG	MET	MET	-	-	-	DR	60	1975-79	C	MR	-	No
Nugget Lighthouse B	CC	S179579008	B	10	133	EGY	UNI	UNI	LS	30	1975-77	-	-	-	-	-	-	No
Nugget Point	M	S179581009	B	10	144	MAR	MET	MET	-	-	-	-	-	-	-	-	-	No
Nugget Lighthouse A	M	S179582008	B	10	122	EGY	UNI	UNI	LS	30	1975-77	-	-	-	-	-	-	No
Tiawai Point	D	S182382804	C	14	18	ENG	PRI	MET	ASD	107	1971-79	IHSD DG	107 87	1971-79 1972-79	C C	S MG	- FSD	No No
Slope Point	CC	S183918726	B	10	130	EGY	UNI	UNI	-	-	-	XR	12	1978-79	-	MR	-	No
Halfmoon Bay	CC	S186188415	C	10	16	EGY	UNI	UNI	-	-	-	DR	47	1976-79	-	-	-	No

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Station	Anemometer Type	Grid Ref.	Exposure	Height(m)		Primary Purpose	Operated by	Data held by	Raw Data			Derived Data					Errors known	Remarks	
				above ground	above M.S.L.				Type	No. Months	Period	Type	No. Months	Period	Held in	Analyses			
Ringaringa S. I.	CC	S186199404	B	10	110	EGY	UNI	UNI	-	-	-	XR	41	1976-79	-	-	-	-	No
Stewart Island	CC	-	F	10	13	EGY	DSIR	MET	-	-	-	DR	46	1976-79	C	MR	-	-	No
Te One, Chatham Is	D	-	C	10	13	AVN	MET	MET	ASD	1956-59	-	-	-	-	-	-	-	-	No
Chatham Is (Radio Stn)	M	-	C	15	74	SYN	MET	MET	-	-	-	IHS	38	1976-79	C	S	-	-	No
Waitangi, Chatham Is	M	-	C	10	58	SYN	MET	MET	-	-	-	IHSD	109	1970-79	-	-	-	-	No
	CC	-	C	10	45	EGY	UNI	UNI	-	-	-	DR	2	1975	-	-	-	-	No
Te Ngaio, Chatham Is	CC	-	E	10	15	EGY	UNI	UNI	-	-	-	XR	34	1975-78	-	-	-	-	No