

RETURN showing Percentage of Correct Forecast at the under-mentioned Places during Nine Months ending 30th June, 1878.

Place.	Forecast of Direction of Wind.	Forecast of Force of Wind.	Forecast of Barometer Movement.	Forecast of Sea Movement.	Gales Without Warning.	Remarks.
	%	%	%	%	%	
Hokianga	97.2	64.0	82.9	The warnings are limited to area of 12 points of the compass.
Russell	93.2	71.7	69.0	71.4	2.2	
Whangarei	100.0	39.5	77.7	Force—7 of Beaufort scale is the lowest for which warnings are considered as being verified.
Coromandel	82.9	22.5	77.0	...	...
Tokatea (altitude, 1,200 feet)	75.0	56.5	80.9	...	...
Manukau (altitude, 900 feet)	97.7	51.1	73.2	78.3	...	
Auckland	87.0	39.0	65.8	...	...
Cambridge (altitude, 200 feet)	93.2	71.4	72.5	...	...
Tauranga	75.5	63.2	77.7	43.0	2.0	
Opotiki	90.7	46.0	88.0	84.2	2.3	
Taupo (altitude, 1,200 feet)	95.6	72.7	75.6	...	...
Gisborne (Poverty Bay) ...	82.1	52.6	75.0	92.3	...	
Opunake (altitude, 100 feet)	91.3	54.9	75.3	77.7	1.2	
Napier	96.2	65.4	87.5	85.7	1.8	
Wanganui	98.7	61.0	72.5	...	1.3	
Castlepoint	96.1	52.7	90.0	100.0	...	
Nelson	91.3	28.3	86.4	...	...
Tophouse (altitude, 2,200 feet)	87.5	87.5	70.2	...	...
Blenheim	92.8	36.8	73.4	...	...
Westport	71.2	25.0	75.7	61.5	...	
Kaikoura	53.1	52.1	80.5	...	...
Kekerangu	97.1	91.2	89.1	75.0	...	
Hokitika	94.9	25.3	89.2	77.7	...	
Bealey (altitude, 2,180 feet)	94.9	61.0	70.9	...	...
Lyttelton ... ..	...	...	...	...	...
Timaru	77.2	63.6	72.4	21.5	...	
Oamaru	83.5	47.2	66.2	31.5	...	
Naseby (altitude, 2,000 feet)	94.7	23.8	85.0	...	...
Port Chalmers	87.5	65.6	73.8	...	...
Balclutha	98.0	43.1	76.9	...	...
Queenstown (altitude, 1,100 feet)	100.0	58.0	86.2	...	1.8	
Roxburgh (altitude, 300 feet)	90.2	44.3	92.2	...	...
Mean average for nine months ...	89.23	52.80	78.99	67.67	0.40	

RETURN showing Monthly Percentage of Correct Forecasts for the whole Colony for Nine Months, October, 1877, to June, 1878.

Month.	Forecast of Direction.	Forecast of Force.	Forecast of Barometer.	Forecast of Sea.	Without Warning.	Remarks.
	%	%	%	%	%	
October, 1877	85.44	60.14	77.54	68.00	...	The warnings are limited to an area of 12 points of the compass.
November, 1877	92.50	47.52	80.72	56.52	...	
December, 1877	86.85	35.39	85.54	67.57	...	
January, 1878	88.88	57.64	77.67	61.22	...	Force—7 of Beaufort scale is the lowest for which warnings are considered as being verified.
February, 1878	83.05	44.83	69.94	57.14	...	
March, 1878	87.65	57.70	80.24	71.43	...	
April, 1878	89.70	54.23	77.17	76.08	...	
May, 1878	92.70	57.55	79.40	75.00	...	
June, 1878	88.00	34.90	79.80	76.00	...	
Mean of the average for nine months	88.31	49.99	77.56	68.77	...	

COMPARATIVE RETURN showing Monthly Percentage of Correct Forecast for Six Months, January to June, 1877, and same period 1878.

Forecast of	January.		February.		March.		April.		May.		June.		Mean of six months.		Remarks.
	1877.	1878.	1877.	1878.	1877.	1878.	1877.	1878.	1877.	1878.	1877.	1878.	1877.	1878.	
Direction of Wind	79.25	88.88	80.18	83.05	81.0	87.65	79.43	89.70	88.10	92.70	87.97	88.0	82.32	88.33	The warnings are limited to an area of 12 points of the compass. Force—7 of Beaufort scale is the lowest for which warnings are considered as being verified.
Force of Wind	50.55	57.64	38.60	44.83	23.21	57.70	37.27	54.23	49.59	57.55	40.53	34.9	41.29	51.41	
Barometer Movement	73.81	77.67	76.19	69.94	77.77	80.24	6.78	77.17	80.21	79.40	79.94	79.08	74.95	77.37	
Sea Movement	71.43	61.22	91.66	57.14	76.54	71.43	77.78	76.08	88.46	75.0	74.50	76.0	80.02	69.48	