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A Voyage To The Pacific Ocean

Undertaken, By The Command Of His Majesty, For Making Discoveries in the Northern Hemisphere. To Determine The Position and Extent of the West Side of North America; its Distance from Asia; and the Practicability of a Northern Passage to Europe. Performed Under The Direction Of Captians Cook, ...

King, James

Cook, James

London, 1784

Appendix, No. I

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APPENDIX, No. I.

TABLES of the ROUTE of the RESOLUTION and DISCOVERY, the Variation of the Compass, and Meteorological Observations, during the Voyage.

N. B. In these Tables, the Situation of the Ships at Noon is, in general, set down; and the Variation, as it was observed, either in the Morning or Evening of the same Day, or both. Therefore, the Tables do not contain the exact Place where the Variation was observed; but the Difference is so little, that it can make no material Error.

TABLE I.						
From the Cape of Good Hope to Kerguelen's Land.						
Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom.	Winds, Weather, and Remarks.
1776. Dec. 2 } Noon. }	°	°	°	°	Inches.	{ Westerly. Moderate wind and cloudy weather. Northerly. Light winds, and cloudy. N. W. Fresh gale, and cloudy. W. N. W. A strong gale, and cloudy. Variable. Squally, with rain. W. S. W. Brisk wind, thunder, lightning, and rain. W. S. W. Squally, with hail and rain. W. S. W. Strong gales, and cloudy.
		17 59		59	30,08	
	3 34 32	17 36	22 00	64	29,75	
	4 36 48	19 05	22 30	60½	29,59	
	5 38 21	21 23	23 00	59	29,48	
	6 38 59	23 29	23 33	63	29,37	
	7 40 03	25 25		58½	29,47	
	8 41 04	28 5	24 00	47½	29,81	
	9 42 27	30 7		54	29,80	

TABLE I. Continued.
Route of the Resolution and Discovery from the Cape of Good Hope to
Kerguelen's Land.

Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1776. Dec. 10	43 56	32 13	24 45	51 $\frac{1}{2}$	29,34	Northerly. Moderate wind, and drizzling rain.
11	45 37	34 31	25 00	44 $\frac{1}{2}$	29,21	Westerly. A fresh gale, and cloudy.
12	46 20 $\frac{1}{2}$	37 0	26 00	38		S. W. Squally. Showers of hail and snow. Saw sea-birds, and sea-weed.
13	47 15	40 48	26 15	38 $\frac{3}{4}$	29,98	W. S. W. Strong gale and squally, with snow. In the evening failed between P. Edward's Islands.
14	47 46	44 15		41 $\frac{1}{2}$	30,02	Westerly. Gentle breezes, and hazy weather.
15	48 24 $\frac{1}{2}$	48 16 $\frac{3}{4}$	31 00	42 $\frac{3}{4}$	29,90	N. E. Fresh gales, and cloudy. Rock-weed.
16	48 42	52 11		41	29,70	N. N. E. Strong wind, and cloudy. Penguins, whales, &c.
17	48 28	56 6		42	29,97	Variable wind and weather. Albatrosses, penguins, &c.
18	48 35 $\frac{3}{4}$	56 40		42	30,02	Variable, moderate, and cloudy. Penguins, whales, &c.
19	48 26	59 20		45	29,97	Westerly. Foggy, with some rain. Rock-weed. Few birds.
20	48 27	62 43		44	29,96	N. W. Moderate and hazy. Rock-weed. Few birds.
21	48 27	65 53		46	29,77	N. W. b. W. A fresh gale, and foggy. Very few birds.
22	48 18	66 20		40	29,97	Westerly. Light winds, and gloomy weather. Birds.
23	48 36	67 26 $\frac{1}{2}$		43 $\frac{1}{2}$	29,58	N. E. Mod. wind, rain. Many birds.
24	48 24	68 35		40 $\frac{1}{2}$	29,72	Northerly. Fresh gale, and cloudy. Saw land.
25	48 41	69 11	27 44	43	29,95	N. W. Moderate and hazy. In Christmas Harbour, Kerguelen's Land.

TABLE II.
Route of the Resolution and Discovery from Kerguelen's Land to
Van Diemen's Land.

Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1776. Dec.	29 48 51	69 39	28 0	44 $\frac{1}{2}$	29,71	S. E. Fresh gales, and fair weather.
	30 49 8	70 34	28 0	45	29,44	N. W. Fresh gales, and cloudy.
	31 49 19	73 16		40	29,54	Ditto. Ditto, ditto.
1777. Jan.	1 48 37	77 41	30 24	38	30,05	W. S. W. Squally, with sleet.
	2 48 20	80 50	30 47	46 $\frac{1}{2}$	30,23	W. S. W. Moderate wind, and fair weather.
	3 48 17	84 14	30 14	46	30,15	N. W. Ditto, ditto. No birds.
	4 48 9 $\frac{1}{2}$	88 30		47 $\frac{1}{2}$	30,28	N. W. Fresh gales, and foggy.
	5 48 4 $\frac{1}{2}$	91 25		48 $\frac{1}{2}$	29,78	N. W. b. N. Gentle breezes, and hazy weather.
	6 47 59	93 59		47	29,70	Westerly. Moderate wind, and hazy, with rain.
	7 47 43	95 28		47 $\frac{1}{2}$	29,68	Easterly. Light breezes, and foggy; rain at times.
	8 47 37	99 21	25 29	48	29,86	North. Moderate wind, and thick fog. Few birds.
	9 47 56	102 36	24 7 $\frac{1}{2}$	48 $\frac{1}{2}$	29,67	N. N. E. Fresh breezes, and foggy.
	10 48 20	106 14	23 37	48 $\frac{1}{2}$	29,78	Ditto. Fresh breezes, and foggy; with rain at times.
	11 48 16	109 6		49	29,70	Ditto. Moderate wind, and hazy. Porpoises, and some birds.
	12 48 40	110 26		50 $\frac{1}{2}$	29,66	Ditto. Light breezes, and foggy. Some birds.
	13 48 6	112 3		49	29,20	Variable. Moderate wind, and foggy. Birds, and porpoises.
	14 47 19	115 28	17 34	49	29,36	Westerly. Fresh gales, and hazy. Passed rock-weed.
	15 46 23	120 7		51 $\frac{1}{2}$	29,50	W. N. W. Ditto, and some rain. Many blue peterels.
	16 45 12	124 29		54 $\frac{1}{2}$	29,70	N. W. Brisk wind, with drizzling rain.
	17 44 18	128 12	9 0	56 $\frac{1}{2}$	29,87	N. W. Fresh gales, and cloudy weather.
	18 44 23	131 28	6 0	55	29,55	N. b. E. Moderate wind, with clouds at times.

TABLE II. Continued.
Route of the Resolution and Discovery from Kerguelen's Land to
Van Diemen's Land.

Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1777. Jan. 19	43 51	134 39	0	56	29,55	N. W. Brisk wind, some hard squalls; mostly clear.
20	43 33 $\frac{1}{2}$	138 19		56	29,40	N. W. Fresh gales, and fine weather. A Westerly swell.
21	43 23	141 16	East. 1 0	56	29,95	West. Fresh gales, and fine weather. Some showers.
22	43 31 $\frac{1}{2}$	143 1	3 0	61	30,09	West. Gentle breezes, and fine weather. Westerly swell.
23	43 41 $\frac{1}{2}$	144 27		60	30,02	W. N. W. Light winds, and mostly cloudy. At 3 P. M. saw Van Diemen's Land.
24	43 47	147 0	5 15	55	30,26	S. W. Moderate wind, and fine wea- ther.
25	43 42 $\frac{1}{2}$	147 24	10 8	58	30,30	Variable. Light airs, and fine weather. Off Van Diemen's Land.
26	43 33 $\frac{1}{2}$	147 42		67	30,15	Ditto. Ditto weather. Off Adventure Bay.

T A B L E III.

Route of the Resolution and Discovery from Adventure Bay, Van Diemen's Land, to New Zealand.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
Jan. ¹⁷⁷¹ 31	43 23 $\frac{1}{2}$	149 29	0	63 $\frac{1}{2}$	30,26	Variable. Moderate wind, and cloudy.
Feb. 1	44 16 $\frac{1}{2}$	152 9		63 $\frac{1}{2}$	29,97	N. N. E. Fresh gales, and cloudy. Passed a whale.
2	44 42 $\frac{1}{2}$	154 51	7 30	62	29,93	North. Fresh gales, foggy. Rain at times.
3	44 42 $\frac{1}{2}$	157 41		64 $\frac{1}{2}$	30,06	N. b. W. Moderate breeze, and fine weather. Sea weed, &c.
4	44 1	160 13	11 0	60	30,05	N. W. b. N. Moderate wind, and hazy.
5	43 32	161 59	11 11	59	30,09	S. E. b. S. Moderate wind, and fine weather. Many peterels and albatrosses.
6	42 56	163 39	13 0	63 $\frac{1}{2}$	29,90	W. S. W. Gentle breezes, and fair weather.
7	42 27	165 23	13 0	67	30,00	W. S. W. Light winds, and fair weather.
8	41 54	167 29	13 0	66		N. W. b. N. Gentle gale, and fair weather; some lightning.
9	40 59 $\frac{1}{2}$	169 30		64	29,95	Westerly. Moderate wind, and fair weather. Saw two turtle, and several logs of wood.
10	40 35 $\frac{1}{2}$	171 27		63	30,20	Southerly. Squally and unsettled weather. Passed several logs of wood. At half past four P. M. saw New Zealand, S. E.
11	40 28 $\frac{1}{2}$	174 15		64		Variable. Light winds, and fair weather. A very heavy dew. Cape Farewell, in New Zealand, S. 64° W. and Murderer's Bay S. 34° E.



TABLE IV.

Route of the Resolution and Discovery from Queen Charlotte's Sound, New Zealand, to the Friendly Isles.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1777.	o	o	o	o	Inches.	
Feb. 26	41 38 $\frac{1}{2}$			63 $\frac{1}{4}$	29,97	{ Variable. Moderate wind, and some- times cloudy.
27	41 43	176 49		63 $\frac{1}{2}$	30,00	{ Ditto. Moderate wind and cloudy weather.
28	41 17 $\frac{1}{2}$	177 17	12 23 $\frac{1}{2}$	64	30,09	{ Easterly. Moderate breeze, and some clouds.
March 1	42 35	178 43		58 $\frac{1}{2}$	29,85	{ N. E. Moderate wind, and some rain. Many albatrosses.
2	42 35 $\frac{1}{2}$	180 8 $\frac{1}{2}$		63 $\frac{3}{4}$	29,91	{ N. E. Light breezes, and fine weather. Egg birds. A swell from N. E.
3	42 24	182 36		60	29,53	{ Variable. Brisk wind; squally with rain at times. Saw a Port Egmont hen.
4	41 10 $\frac{1}{2}$	185 5		64	29,52	{ Westerly. Brisk wind, and fine weather. Passed rock-weed.
5	39 50 $\frac{1}{2}$	187 26	13 23	60 $\frac{1}{2}$		{ S. W. Fresh gale, and fine weather. A S. W. swell. Weed, &c.
6	39 10	189 21		66	29,80	{ Westerly. Fresh breeze, and fine wea- ther. Whales. The swell gone.
7	39 17	191 13	11 13	68	29,97	{ N. b. W. Fresh breezes, and fine wea- ther; some showers.
8	39 24	192 52		69 $\frac{1}{4}$	30,17	{ N. b. W. Gentle breezes, and fine wea- ther. A copious dew.
9	39 30 $\frac{1}{2}$	194 10		68	30,30	{ N. b. W. Gentle breezes, and cloudy. A heavy dew.
10	39 26	195 22	10 49	69	30,32	{ N. N. W. Gentle breezes, and fine weather. A strong dew.
11	39 50	196 4		68 $\frac{1}{2}$		{ Northerly. Light airs, and fine weather. A heavy dew.
12	38 41 $\frac{1}{4}$	196 11		68 $\frac{1}{2}$	30,12	{ Variable. Light airs, and fair weather. Many porpoises.
13	36 59 $\frac{1}{2}$	197 30		66	30,02	{ S. E. b. E. Fresh gales, and cloudy; some rain. Many porpoises.
14	35 28	198 43		68 $\frac{1}{4}$	29,98	{ S. E. Fresh breezes, and squally; some rain. Few birds.
15	34 6 $\frac{1}{2}$	198 57	10 18	69	29,94	{ Easterly. Fresh gales, and showery wea- ther.

TABLE IV. Continued.

Route of the Resolution and Discovery from Queen Charlotte's Sound, New Zealand, to the Friendly Isles.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1777.	Inches.	
March 16	33 40	199 6	10 19	72	30,00	Northerly. Light winds, and drizzling rain.
17	33 24	199 19		74	30,05	Variable. Small breezes, and cloudy weather.
18	32 4	200 14		69 $\frac{1}{2}$	30,10	E. b. S. Moderate wind, and cloudy, with rain at times.
19	30 29	200 54		75 $\frac{1}{2}$	29,99	Easterly. Moderate wind, with showers.
20	29 4	201 15	9 39	73 $\frac{1}{2}$	29,97	Easterly. Moderate breezes, with showers.
21	27 44	201 30		73 $\frac{1}{2}$	29,94	Easterly. Gentle breezes, with cloudy weather.
22	26 52	201 34	8 37	75 $\frac{1}{2}$	29,97	E. b. N. Light breezes, and clear. Egg and Tropic birds.
23	25 59	201 8		77 $\frac{1}{2}$	29,93	Easterly. Light breezes, and clear weather. Flying fish.
24	25 22 $\frac{1}{2}$	201 30 $\frac{1}{2}$		76 $\frac{1}{2}$	30,02	E. N. E. Light breezes, and clear weather. Sharks, dolphin, and flying fish.
25	24 26 $\frac{1}{2}$	201 23		78	30,01	E. N. E. Light breezes, and clear weather. Tropic birds.
26	23 40	201 23	8 25	78	30,03	East. Ditto weather. Some lightning. Saw Tropic birds, and caught two sharks.
27	23 17	201 23		80	30,00	Easterly. Light breezes, and fair weather. Saw several dolphins.
28	22 44	201 12	8 33	82 $\frac{1}{2}$	30,02	N. E. Little wind, and mostly cloudy.
29	22 13	201 40		79 $\frac{1}{2}$	29,99	Easterly. Light breezes, and fine weather. Saw land.
30	21 54 $\frac{1}{2}$	201 49		80 $\frac{1}{2}$	29,96	Easterly. Squally, with rain at times. A large island, moderately high, S. W. three or four miles.
31	20 26 $\frac{1}{2}$	201 34		81	29,97	E. N. E. Moderate wind, and fine weather. Saw land, which proved to be two islands.
April 1	19 51 $\frac{1}{2}$	202 50		82	29,93	E. N. E. Little wind, and fine weather. The greater island bore S. 80° E. distant about four miles.

TABLE IV. Continued.
Route of the Resolution and Discovery from Queen Charlotte's Sound,
New Zealand, to the Friendly Isles.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1777.	o	.	.	.	Inches.	
April	2 20	0 $\frac{1}{2}$ 201 41	8 21	83 $\frac{1}{2}$	30,02	E. N. E. Little wind and fine weather. The larger island, N. 70° E. distant two miles.
	3	Plying off the islands of <i>Watecoo</i> , and <i>Wenua-ete</i> .				Little wind, and fair weather.
	4 19	51 201 32		83	29,96	Easterly. Little wind, and fine weather.
	5 19	16 $\frac{1}{2}$ 201 28		83 $\frac{1}{2}$	30,00	E. N. E. Light airs, and cloudy.
	6 19	16 201 0		82 $\frac{1}{2}$	30,00	Easterly. Little wind, with showers. Harvey's Isle, S. $\frac{1}{2}$ E. distant two miles.
	7 19	27 $\frac{1}{4}$ 199 58		82 $\frac{1}{2}$	29,98	Ditto. Little wind, and variable weather.
	8 19	7 199 32		83	29,91	Ditto. Light airs, and clear weather.
	9 18	57 199 12	7 26 $\frac{1}{2}$	81 $\frac{1}{2}$	29,83	Ditto. Almost calm, with showers.
	10 18	39 $\frac{1}{2}$ 198 24		82 $\frac{3}{4}$	29,75	Variable. Squally. Thunder and lightning, with rain.
	11 18	20 197 20		81	29,83	Ditto. Moderate wind. Ditto weather. Collected five puncheons of rain-water.
	12 18	10 197 20		81	29,83	N. W. Moderate wind, and cloudy with lightning.
	13 18	7 197 7		81	29,97	Variable. Squally. Some lightning. Heavy rain.
	14 18	8 $\frac{3}{4}$ 196 35		83	29,90	N. Easterly. Little wind, and rainy weather. Palmerston's Island, N. b. E. two or three miles.
	18 18	4 $\frac{1}{2}$ 196 10		83 $\frac{1}{2}$	29,92	Northerly. Light breezes, and fine weather. A swell from the S.
	19 17	59 $\frac{1}{2}$ 195 9		80	29,88	Ditto. Light breezes, with showers.
	20 18	8 193 59		83 $\frac{1}{2}$	29,82	N. W. Moderate wind, and showers. Fish and birds.
	21 18	37 $\frac{1}{2}$ 192 42		79	29,83	N. W. Fresh gales, and showers. Much fish, and many birds.
	22 18	35 192 21		79	29,96	Variable. Little wind, with rain.
	23 18	51 191 0		79	29,95	Ditto. Moderate wind. Thunder, lightning, and rain.
	24 19	25 $\frac{1}{2}$ 189 40	10 33	76	29,94	Ditto. Squally unfettled weather. Saw Savage Isle.
	25 19	47 188 44		75	29,90	Ditto. The same weather.

TABLE IV. Continued.

Route of the Resolution and Discovery from Queen Charlotte's Sound,
New Zealand, to the Friendly Isles.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
^{1777.} April 26	20 11 $\frac{1}{2}$	187 44	0	74 $\frac{1}{2}$	Inches. 29,88	Variable. Squally, with rain.
27	20 38	186 35		76 $\frac{1}{4}$	29,94	Ditto. Little wind and cloudy, with rain.
28	20 28 $\frac{1}{2}$	185 36		81 $\frac{1}{2}$	29,85	Ditto. Moderate wind, and cloudy. Saw the Friendly Isles.
29		185 21		80	30,05	Ditto. Moderate wind, with showers. Annamooka; N. W. b. W. distant about three leagues.

TABLE V.

Route of the Resolution and Discovery from the Friendly Isles to Otaheite.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
^{1777.} July 18	22 7	185 10	10 0	70 $\frac{1}{4}$	Inches. 29,93	East. Brisk wind, and squally, with rain.
19	22 26 $\frac{1}{2}$	186 9 $\frac{1}{2}$	8 42	69	30,03	Variable. Moderate wind, and fair weather.
20	22 28	186 41		70	30,10	S. E. Light winds, and cloudy. Saw many dolphins.
21	22 59 $\frac{1}{2}$	187 3		71	30,11	Easterly. Moderate wind, and fair weather. Dolphins.
22	24 4	187 59		72	30,12	N. E. Moderate wind, and cloudy.
23	24 50	189 41		74	30,02	N. E. Moderate wind, and dark cloudy weather.
24	25 23	191 19		73 $\frac{1}{4}$	30,03	N. N. E. Moderate wind, and hazy, with rain. Saw a gannet.
25	25 45	192 21	8 47	74	30,20	N. N. E. Moderate wind, and fine weather.
26	26 8 $\frac{1}{2}$	193 46		80	30,16	N. b. E. Moderate wind, and drizzling rain at times.
27	26 51 $\frac{1}{2}$	194 45	7 52	71 $\frac{1}{4}$	30,20	N. N. E. Squally, with showers.

TABLE V. Continued.
Route of the Resolution and Discovery from the Friendly Isles to Otaheite.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
July	28 27 36	195 55	8 13	72 $\frac{3}{4}$	30,13	N. N. E. Brisk wind, and fair weather.
	29 28 7	197 11		70	29,70	Ditto. Brisk wind, and showers.
	30 28 6	198 55		61 $\frac{1}{2}$	29,54	Northerly. Strong gales, and squally, with rain.
	31 27 53	200 37		63 $\frac{1}{2}$	29,92	S. W. Moderate wind, and flying clouds. Swell from the S. S. W.
August	1 27 49	202 11 $\frac{1}{2}$	7 44	67	30,00	Westerly. Brisk wind, and squally, with showers.
	2 27 28	203 50	7 8	69 $\frac{1}{2}$	30,13	Ditto. Moderate wind, and cloudy, with some rain.
	3 27 43 $\frac{1}{2}$	204 0		71 $\frac{1}{2}$	30,16	Variable. Light winds, and fair weather.
	4 27 33 $\frac{1}{2}$	205 35		67 $\frac{1}{2}$	30,00	Ditto. Moderate wind, and cloudy, with rain.
	5 26 51	206 29		67 $\frac{1}{2}$	30,11	S. W. Gentle breezes, and fine weather.
	6 25 53 $\frac{1}{2}$	207 40		65	30,21	S. W. Gentle breezes, and some showers.
	7 25 9	208 58	7 37 $\frac{1}{2}$	68 $\frac{1}{2}$	30,25	S. S. W. A gentle breeze, and fine weather.
	8 23 56	210 17 $\frac{1}{2}$	7 21	66	30,22	Southerly. A gentle breeze, and fine weather. Saw land (Toobouai) bear- ing N. N. E.
	9 23 7 $\frac{1}{2}$	210 44		71	30,20	S. E. A gentle breeze, and fine weather.
	10 21 12	211 12		72	30,16	E. b. S. Fresh breezes, and cloudy.
	11 19 14 $\frac{1}{2}$	211 43		77	30,16	Ditto. Fresh gale, with showers.
	12 17 46			81	30,17	Easterly. Light winds, and showers. Oheitepeha Bay, in Otaheite, W. $\frac{1}{2}$ S. distant two or three leagues.

TABLE VI.

Route of the Resolution and Discovery from the Society Isles to Christmas Island.

Time.	Latitude South.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1777. Decem. 9	15 42 $\frac{1}{2}$	207 41	5 45	82	Inches. 29,97	E. b. N. Moderate wind, and showers.
10	14 32	207 34	5 35	85	29,93	E. b. N. Gentle breezes, and pleasant weather.
11	13 45	207 7		83	29,92	N. E. b. E. Squally, with showers.
12	13 1	206 20	5 21	85	30,00	N. E. b. N. A light breeze, and fair weather.
13	12 17	205 58		83 $\frac{1}{2}$	29,93	N. E. b. E. Gentle breezes, and fair weather.
14	11 3	205 54	5 58 $\frac{1}{2}$	83 $\frac{1}{2}$	29,91	E. N. E. A fresh gale, and some rain.
15	9 59	205 23	5 19	84	29,90	East. A fresh breeze, and fair weather.
16	8 57	205 5	5 7 $\frac{1}{2}$	84	29,83	E. b. N. A light breeze, and clear.
17	7 38 $\frac{1}{2}$	204 29	4 54	85	29,88	E. N. E. A fresh breeze, and fine weather. Tropic birds, egg-birds, and sheerwaters.
18	6 24	207 19	5 21	84 $\frac{1}{4}$	29,88	Easterly. A gentle breeze, and fine weather. Many birds.
19	4 56 $\frac{1}{2}$	204 9		83 $\frac{1}{2}$	29,90	E. b. N. A fresh breeze. Many birds.
20	3 32	203 39	5 29	82 $\frac{1}{2}$	29,88	Easterly. A fresh breeze, and passing clouds. Few birds, except terns, and egg-birds.
21	2 2 $\frac{1}{2}$	203 9	5 44	82 $\frac{1}{4}$	29,91	E. b. N. Moderate wind, and some showers. A few egg-birds.
22	0 34S.	202 57		81	29,93	East. A fresh breeze, and fine weather. Men-of-war, terns, and tropic birds.
23	0 45N.	202 38	6 49	82	30,07	East. Moderate wind, and fine weather. Many birds.
24	2 2 $\frac{1}{2}$	202 33	6 20	83	30,08	E. S. E. Moderate wind. Christmas Isle E. S. E, four miles.
25				79	29,99	Easterly. A gentle breeze, and fine weather. Plying off the Isle.
26	1 57 $\frac{1}{2}$	202 34		80	30,09	Easterly. Moderate wind, and fine weather. At anchor off the West side of the island.

TABLE VII.
Route of the Resolution and Discovery from Christmas Island to
Sandwich Isles.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1778. Jan.	2 2 27	202 36	0	82 $\frac{1}{2}$	29,97	E. S. E. A fresh gale.
	3 3 22	202 35		83	29,97	Easterly. Moderate wind; some rain.
	4 4 8	202 45		81 $\frac{1}{4}$	29,90	Ditto. Moderate breeze, and fair weather.
	5 4 56	203 0		78	29,90	Ditto. Light winds, and drizzling rain.
	6 5 48	203 12	5 58	80 $\frac{1}{4}$	29,87	E. b. S. Moderate wind, and showers. Many birds.
	7 6 43	203 54		77	29,85	Easterly. A gentle breeze, and some rain. Saw birds and drift-wood.
	8 7 45	205 0	6 46	78 $\frac{1}{2}$	29,96	Ditto. Moderate wind, and some rain. Strong current setting N. E.
	9 8 12	205 12	6 47	82	29,93	Ditto. Light airs, and fine weather.
	10 9 30	205 0		83 $\frac{1}{2}$	29,90	E. N. E. Gentle breezes, with showers. Some birds.
	11 10 44	204 49		83	29,89	Easterly. Light breezes, and fine weather. Saw a turtle.
	12 12 17	204 14		81 $\frac{1}{2}$	29,95	E. N. E. Gentle breezes, and fine weather. Many turtle, and birds.
	13 14 12	203 3		79 $\frac{1}{2}$	30,04	N. E. b. E. Fresh breeze, and fair weather.
	14 15 58	202 8		79 $\frac{1}{2}$	29,95	Ditto. A fresh gale, and some showers.
	15 17 40	201 29		78	30,00	E. N. E. Ditto, ditto.
	16 19 0 $\frac{1}{2}$	200 58		79 $\frac{1}{2}$	30,19	N. E. b. E. A fresh gale, with some rain.
	17 20 25	200 38		78	30,03	E. N. E. A fresh gale.
	18 21 12 $\frac{1}{2}$	200 41		77	30,15	Easterly. A gentle gale, and fair weather Two islands seen one bearing N. E. $\frac{1}{2}$ E. and the other N. b. W. $\frac{1}{2}$ W.
	19 21 50 $\frac{1}{2}$	200 39		79	30,21	Variable. Light airs, and fine weather. the extremes of the second island N. 7° W. and N. 81° $\frac{1}{2}$ W. Off shore about two leagues.

T A B L E VIII.

Route of the Resolution and Discovery from Sandwich Isles to King George's or Nootka Sound, on the West Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1778. Feb.	21 56 $\frac{1}{2}$	199 30	0	77 $\frac{1}{2}$	Inches. 30,08	Easterly. Fresh breezes, and fair weather.
	3 23 1	199 37		78	30,13	Ditto. Moderate wind, and some rain.
	4 24 31	199 26	11 21	76	30,19	E. b. N. Fresh breezes; some rain. Passed through the rippling of a current.
	5 26 7 $\frac{1}{2}$	199 44		77 $\frac{1}{2}$	30,27	East. A fresh gale, and fair weather.
	6 27 41 $\frac{1}{2}$	200 19		79	30,29	Easterly. A gentle breeze, and some rain.
	7 28 56	200 6	12 10	72 $\frac{1}{2}$	30,23	Ditto. Moderate wind, and some showers.
	8 30 18	201 3		72 $\frac{1}{2}$	30,26	Ditto. A fresh breeze, and fair weather.
	9 30 59	202 5	13 59	73 $\frac{1}{2}$	30,27	S. S. E. A light breeze, and drizzling rain. Saw a grampus.
	10 31 21 $\frac{3}{4}$	203 14		63	30,31	Variable. Moderate wind, and showers.
	11 30 58	205 22		58	30,51	Northerly. Brisk wind. Cold, and cloudy weather.
	12 30 13	206 19		59	30,52	N. N. E. Fresh gales, and cloudy, with showers.
	13 31 21	206 0		59 $\frac{1}{2}$	30,51	E. N. E. Moderate wind, and dark gloomy weather.
	14 31 35	205 59	11 4	62 $\frac{1}{2}$	30,46	N. E. Light breezes, and cloudy weather.
	15 32 29	205 24		59	30,45	N. E. b. E. Light breezes, and some showers. Some birds.
	16 33 47	205 24		57	30,46	Easterly. Moderate wind, and cloudy.
	17 34 56	205 24		58	30,46	Ditto. Light winds, and cloudy.
	18 36 23	205 59	13 6	55 $\frac{1}{2}$	30,58	E. N. E. Moderate wind, and cloudy.
	19 37 25 $\frac{1}{2}$	206 16	16 41	56 $\frac{1}{2}$	30,59	E. S. E. Moderate wind, and some showers.
	20 38 7 $\frac{1}{4}$	207 31	17 2	56 $\frac{1}{4}$	30,48	Southerly. Light winds, and fine weather.
	21 39 6	209 41	17 36	55 $\frac{1}{2}$	30,35	Ditto. Gentle breezes, and cloudy.
	22 40 18 $\frac{1}{4}$	212 14	18 59	56	30,20	S. S. E. Fresh gales, and fine weather.
	23 41 6 $\frac{1}{2}$	214 59		53	30,35	Ditto. Gentle gale, and clear weather. A strong dew.
	24 41 44 $\frac{3}{4}$	217 10		54	30,37	Ditto. Gentle gale, and hazy.



TABLE VIII. Continued.

Route of the Resolution and Discovery from Sandwich Isles to King George's or Nootka Sound, on the West Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1778.	°	°	°	°	Inches.	
Feb. 25	42 31 $\frac{3}{4}$	219 21		56 $\frac{1}{2}$	30,28	S. E. b. S. Moderate wind, and hazy. Passed a log of wood.
26	43 17	222 16	20 33	51 $\frac{1}{2}$	30,31	S. S. E. Fresh breeze, and cloudy.
27	43 48	224 55		49	30,29	S. E. b. S. Fresh breeze, and cloudy. Passed more wood.
28	44 17 $\frac{1}{2}$	226 22		49 $\frac{1}{2}$	30,15	Ditto. Gentle breezes, and cloudy weather.
March 1	44 49	228 2	20 17	51 $\frac{1}{2}$	30,21	S. E. b. E. Moderate breeze, and cloudy.
2	44 54	228 14	18 49 $\frac{1}{2}$	49 $\frac{1}{2}$	30,33	Variable. Light airs, and cloudy.
3	44 32 $\frac{1}{2}$	229 7		44 $\frac{1}{2}$	30,34	N. N. E. Gentle breeze, and cloudy.
4	44 5	231 8		46 $\frac{1}{2}$	30,00	North. A fresh gale, and flying clouds.
5	43 45	232 45	17 32 $\frac{1}{2}$	50	29,86	Northerly. Moderate wind, and flying clouds.
6	44 10	234 20		48 $\frac{3}{4}$	29,98	N. W. Light airs, and hazy. Saw whales, seals, and drift-wood.
7	44 33 $\frac{1}{2}$	235 28		47 $\frac{1}{2}$	30,27	Northerly. Light airs, and fair weather. Saw the coast of America from N. N. E. to S. E. $\frac{1}{2}$ E. about eight leagues off.
8	44 27 $\frac{1}{2}$	235 21	17 43	43 $\frac{1}{2}$	30,17	Westerly. Squally, with rain at times.
9	43 55	234 44		44 $\frac{1}{2}$	30,12	W. N. W. Squally, with hail and rain at times.
10	43 40	234 47		42 $\frac{1}{2}$	29,91	W. N. W. Very unfettled weather. Hail, rain, and fleet.
11	43 44	235 21		38 $\frac{1}{2}$	29,70	N. W. Unfettled weather. Hail, rain, &c.
12	43 6	235 0		38	29,86	Westerly. Very strong gales, with hail, rain, and fleet.
13	42 47	233 27		40	30,16	N. N. W. Fresh gales, and cloudy. Snow and fleet.
14	43 17	233 43		41 $\frac{1}{2}$	29,86	Westerly. Squally weather. Hail, rain, and fleet.
15	42 46 $\frac{1}{2}$	231 45		46	30,04	N. W. b. N. Strong gales of wind, with squalls of snow and fleet.
16	43 4	232 45		47	30,00	N. W. Moderate wind; some rain.
17	43 56	233 52		46 $\frac{1}{2}$	30,22	W. N. W. Moderate wind; some rain.
18	44 50 $\frac{1}{2}$	234 8		46 $\frac{1}{2}$	30,07	Westerly. Moderate wind; some rain.

TABLE VIII. Continued.

Route of the Resolution and Discovery from Sandwich Isles to King George's or Nootka Sound, on the West Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1778.	°	°	°	°		
March 19	44 56	233 58	17 52	46 $\frac{1}{2}$	30,31	Variable. Light winds, and mostly cloudy.
20	45 30 $\frac{1}{2}$	234 6		49 $\frac{1}{2}$	30,17	Ditto. Light winds, and fair weather.
21	45 51	234 8		45 $\frac{1}{2}$	30,02	Ditto. Light winds, and cloudy; some rain.
22	47 23	235 5		44 $\frac{1}{2}$	30,00	Ditto. Moderate wind, mostly cloudy; some rain. Saw the land from N. b. W. to E. b. S.
23	47 56	234 17	16 41 $\frac{1}{2}$	45	29,85	Westerly. Strong gales, and unfettered weather.
24	47 41	234 7		43	30,17	Ditto. Fresh gales, and rather unfettered weather.
25	48 30	232 41		45	29,63	Variable. Fresh gales, and squally, with fleet at times.
26	48 21 $\frac{1}{2}$	232 28		45	29,91	N. Westerly. Fresh gales, and squally; hail, rain, and fleet.
27	47 56	231 24	19 27	45	30,12	Ditto. Light winds, and cloudy weather.
28	48 56	232 12		49	30,15	Westerly. Fresh gales, and cloudy.
29	49 29 $\frac{1}{2}$	233 26 $\frac{1}{2}$		46 $\frac{1}{2}$	30,10	Ditto. Light breezes, and fair weather.
30	49 36	233 18		45 $\frac{1}{2}$	30,21	N. W. b. W. Light airs, and fine weather.

TABLE IX.

Route of the Resolution and Discovery from King George's or Nootka Sound to Prince William's, along the Western coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1778.	°	°	°	°	inches.	
April 27	49 39	231 31		51	29,40	Easterly. Strong gales, and thick weather.
28	50 1	229 26		53	29,54	S. Easterly. Heavy squalls, and showery weather.
29	51 54	226 54		44 $\frac{1}{2}$	29,38	Ditto. Squally, with rain at times.
30	53 22 $\frac{1}{2}$	225 14	21 12	45 $\frac{1}{2}$	29,40	Southerly. Fresh gales, rain at times.
May 1	54 43	224 44	24 19	44	29,62	S. Easterly. Gentle gales, with showers.
2	56 50	224 6		43 $\frac{1}{2}$	30,08	E. S. E. Fresh gales; squally with rain.
3	58 17	222 14		46	29,94	Variable. Fresh gales, flying clouds, and some rain.
4	58 22	220 45	24 11	53	29,96	N. W. Light airs, and fine weather.
5	58 40	220 58	26 11	48 $\frac{1}{2}$	30,16	W. N. W. Light breezes, and fair weather.
6	59 8	220 19	23 10	47	30,04	Variable. Light airs, and pleasant weather.
7	59 27 $\frac{1}{2}$	219 7	24 26	52 $\frac{1}{2}$	29,96	Northerly. Light airs, and clear weather.
8	59 11	217 41		51 $\frac{1}{2}$	29,88	Variable. Light breezes, and clear weather.
9	59 31 $\frac{1}{2}$	217 0	22 47	52 $\frac{1}{2}$	29,86	Ditto. Light airs, and fine weather.
10	59 51	215 56 $\frac{1}{2}$		55 $\frac{1}{2}$	29,58	Ditto. Light breezes, and fine clear weather.
11	59 33 $\frac{1}{2}$	215 21	27 35	55 $\frac{3}{4}$	29,60	Ditto. Light breezes, and fine weather.
12	61 11 $\frac{1}{2}$	213 28		48	29,52	Easterly. Light breezes, and cloudy.
13	60 49	213 7		45	29,92	Ditto. Fresh breezes, and gloomy weather.
14	60 19	213 7		49	29,80	S. Easterly. Fresh gales, and thick foggy weather, with rain. At anchor in Prince William's Sound.

TABLE X.

Route of the Resolution and Discovery from Prince William's Sound to Cook's River, along the Western Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1778.	°	°	°	°	Inches.	
May 18	60 30	212 21 $\frac{1}{2}$		50	29,71	{ N. W. A gentle breeze, and clear weather.
19	60 3	212 12	23 37	46 $\frac{1}{2}$	29,67	{ Variable. Light breezes and fair weather.
20	60 0	211 40		41	29,72	{ Ditto. Light airs, and thick weather.
21	59 30 $\frac{1}{2}$	210 6	23 42	41 $\frac{1}{4}$	29,92	{ Ditto. Moderate wind, and fair weather.
22	58 22	208 42		41 $\frac{1}{2}$	30,12	{ Westerly. Fresh gales, and fair weather.
23	59 9	208 47		44	30,25	{ Ditto. Fresh gales, and fair weather.
24	58 14 $\frac{1}{4}$	207 59		41	30,17	{ Ditto. Light breezes, and fair weather.
25	58 41 $\frac{1}{2}$	207 39		44 $\frac{1}{2}$	30,18	{ Northerly. Fresh gales.
26	59 9 $\frac{1}{2}$	206 50		44	29,92	{ Variable. Fresh gales.
27	59 20	207 20		44	29,75	{ N. W. Strong gales, and thick hazy weather, with rain.
28	59 50 $\frac{3}{4}$	207 24		46 $\frac{1}{2}$	30,17	{ Easterly. Light breezes, and hazy weather.
29	60 8	207 36		42	29,98	{ Variable. Fresh gales, and drizzling rain.
30	60 37	208 3		46 $\frac{3}{4}$	29,77	{ Northerly. Light winds.
31	61 11	208 45		46	29,72	{ Ditto. Light winds, and drizzling rain.
June 1	61 5 $\frac{1}{3}$	209 24		47	29,57	{ Calm, with fair weather, and drizzling rain alternately.

TABLE XI.

Route of the Resolution and Discovery from Cook's River to Samganoodha Harbour, in the Island Oonalashka.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
^{1778.} June	75 ⁸ 5	207 45	0	47 ⁺	Inches. 30,32	Variable. Light winds, and cloudy.
	8 57 52 ⁺	207 54		50	30,23	Ditto. Fresh breezes, and fair weather.
	9 57 42	207 39		46	30,17	S. E. b. S. Moderate wind, and drizzling rain.
	10 57 20	207 25		46	30,11	S. E. b. S. A gentle breeze, and misty weather.
	11 57 5	207 33		45	29,97	S. E. Moderate wind, drizzling rain, and thick foggy weather.
	12 57 3 ⁺	206 12		48 ⁺	30,11	Southerly. Moderate breeze, and foggy, with drizzling rain.
	13 56 49	205 40	20 31	49 ⁺	30,02	W. S. W. Fresh breezes, and hazy weather.
	14 56 22 ⁺	205 27		49 ⁺	29,98	Ditto. Fresh breezes, and close cloudy weather.
	15 56 23	202 51		45	29,50	Southerly. Fresh gales, and foggy; rain at times.
	16 56 5	201 10		44	29,91	Variable. Fresh gales, and foggy, rain at times.
	17 55 33	200 48	20 22	44 ⁺	30,07	Westerly. Light winds, and clear weather.
	18 55 25	200 42	22 32	47	30,06	Variable. Light winds, and fine weather.
	19 55 18	199 16		47	29,85	Ditto. Light winds, and fine weather.
	20 54 44	197 29		48	29,81	N. E. Light breezes, and fair weather.
	21 54 17 ⁺	197 11		50	29,72	N. W. b. N. Light breezes, and fair weather.
	22 53 51	196 34		53	29,68	Westerly. Light airs, and fine weather.
	23 53 36 ⁺	195 50		50	29,52	Variable. Light winds, and hazy; some rain.
	24 54 13	195 14		42	29,80	W. S. W. A fresh gale, and cloudy; some rain.
	25 54 4	194 59		47	29,75	Variable. Light winds, and hazy weather.
	26 53 46	194 1		45	29,80	Easterly. Light winds, and thick foggy weather.
	27 53 51 ⁺	193 35		46	29,80	S. S. E. Fresh gales, and foggy.
	28 53 55	193 28		43 ⁺	29,70	Northerly. Light breezes. Came to an anchor off Samganoodha Bay.

TABLE XII.

Route of the Resolution and Discovery from Samganoodha Bay to Bristol Bay, along the Western Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
July ^{1778.}					Inches.	
2	54 19	193 33		47	30,24	E. S. E. Light airs, and fine weather.
3	55 12	195 24		46	29,78	Easterly. Moderate wind, and foggy.
4	55 49 $\frac{1}{2}$	197 5		44	29,67	Southerly. Moderate wind, and thick weather.
5	56 30	198 43		42 $\frac{1}{2}$	29,68	Easterly. The same weather.
6	56 55	199 36		42	29,73	Variable. Light winds, and foggy, with rain.
7	57 6 $\frac{1}{2}$	200 16		50	30,01	Northerly. Light winds, and hazy.
8	57 16	200 48	26 13	47	29,98	Variable. Light winds, and fine weather.
9	57 49 $\frac{1}{2}$	201 42		44	30,13	Ditto. Light winds, and fine weather.
10	58 18 $\frac{1}{4}$	200 39	22 49	51	30,11	Ditto. A gentle breeze, and fair weather.
11	58 0	200 34		48	30,16	Southerly. Light winds, and foggy, with drizzling rain.
12	58 12 $\frac{1}{4}$	200 33	22 32	51	30,10	Variable. Light winds, and hazy; thunder and lightning.
13	58 13 $\frac{1}{2}$	199 0		50	30,17	Westerly. Light winds, and fine weather.
14	58 12	198 56		52	30,10	Westerly. Light airs, and fine weather.
15	58 22	198 39		52	30,17	Ditto. Light airs, and fine weather.
16	58 28	197 46		52 $\frac{1}{2}$	30,28	Ditto. Light winds, and foggy at times.
17	58 54	197 25		55	30,30	Variable. Light airs, and fine weather.
18	59 17	197 36		54	30,17	Ditto. The same weather.
19	59 30	197 45		63	29,85	S. W. Light winds, and fair weather. At anchor off Cape Newnham.

TABLE XIII.

Route of the Resolution and Discovery from Bristol Bay to Norton Sound, on the Western Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1778.	°	°	°			
July	23 58 43	196 45		53	29,73	Easterly. Moderate wind, and cloudy. Cape Newnham N. 39° E. distant about ten leagues.
	24 58 7	194 22		49 $\frac{1}{2}$	29,65	E. N. E. Moderate wind, and misty weather.
	25 58 25 $\frac{1}{2}$	192 13		50 $\frac{1}{2}$	29,68	Northerly. Moderate wind, and thick fog.
	26 58 37	191 36		53	29,86	N. Easterly. Little wind, and thick fog. Many whales, and birds.
	27 59 11	190 57		51	29,84	Northerly. Little wind, and foggy. Many birds, and seals.
	28 59 55	190 0	18 40	54	29,77	N. Easterly. Light winds, and foggy weather.
	29 60 21	187 35		48	29,54	Northerly. Light winds, and foggy, with rain. Many birds.
	30 60 21	188 11		55	29,64	Ditto. Light winds, and mostly foggy.
	31 61 11	189 22		46	29,58	Variable. Little wind, and foggy weather.
Aug.	1 61 57 $\frac{1}{2}$	190 47		54	29,83	Easterly. Light winds, and cloudy: some rain.
	2 61 55	191 44		49 $\frac{1}{2}$	29,77	Variable. Light winds, and cloudy, with rain.
	3 62 34	192 20		55	30,01	Ditto. Light breezes, and cloudy: some rain.
	4 63 53	194 0		52	30,00	Easterly. Moderate wind, with rain.
	5 64 30	193 48		50 $\frac{1}{2}$	29,76	Variable. Moderate wind, and foggy, with rain.
	6 64 39	193 1		56	29,75	Southerly. Moderate breeze, and foggy, with rain.
	7 64 48	192 42		49	29,85	Westerly. Little wind, and thick misty weather.
	8 65 0	192 30		48	29,70	Variable. Little wind, and foggy, with rain.
	9 65 48	191 42		50	29,70	N. Easterly. Fresh breeze, and foggy: some rain.

T A B L E XIII. Continued.
Route of the Resolution and Discovery from Bristol Bay to Norton Sound, on the Western Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1778.	°	°	°	°	Inches.	
Aug. 10	65 36	189 15	27 22	45	30,06	Northerly. Fresh gales, and fair weather.
11	66 5 $\frac{1}{2}$	191 19		46	29,94	Southerly. Light winds, and fine weather.
12	66 20 $\frac{1}{2}$	191 6	30 41	51	29,97	Variable. Light winds, and fair weather.
13	66 32 $\frac{1}{2}$	192 0	27 15 $\frac{1}{2}$	50	30,10	Northerly. Light breezes, and fine weather.
14	67 28	194 33		45 $\frac{1}{2}$	30,18	S. Easterly. A fresh breeze, and hazy; some rain.
15	68 18	193 1		48	29,79	Southerly. Fresh gales, and foggy, with rain.
16	69 57	193 41	35 32	42	29,85	Ditto. Fresh gales, and hazy weather.
17	70 33	197 35	35 1	35	30,10	Westerly. Moderate wind, and hazy weather.
18	70 44	198 24		33 $\frac{1}{2}$	30,02	Ditto. Fresh gales, and foggy; with snow and fleet.
19	70 6	196 32		33 $\frac{1}{2}$	30,07	Ditto. Fresh gales, and hazy; with snow and fleet.
20	70 4	196 0		38 $\frac{1}{2}$	29,99	Ditto. Fresh breezes, and foggy weather.
21	69 32	195 48	31 3	42	29,76	Northerly. Light winds, and thick fog.
22	69 34	194 42		44	29,73	Variable. Light breezes, and foggy weather.
23	69 33 $\frac{1}{2}$	194 20		44	29,57	Ditto. Light breezes, and thick fog.
24	69 30	190 23		35	30,10	N. Westerly. Moderate wind, and foggy; some snow.
25	69 38	187 30	21 44	40	29,80	Westerly. Fresh gales, with showers of snow and rain.
26	69 36	184 0	23 20	37 $\frac{1}{2}$	29,96	Ditto. Fresh breezes, and cold raw weather.
27	69 33 $\frac{1}{2}$	183 30		41 $\frac{1}{2}$	29,66	Variable. Fresh gales, and cloudy; cold, and some rain.
28	69 17	182 40	25 56	35 $\frac{1}{2}$	29,96	Ditto. Light winds, and misty weather; some rain.



TABLE XIII. Continued.
Route of the Resolution and Discovery from Bristol Bay to Norton
Sound, on the Western Coast of America.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1778.	°	°	°	°		
Aug. 29	68 49	181 26		37	29,89	{ Variable. Fresh breezes; hazy; some rain.
30	68 31 $\frac{1}{2}$	182 32		33	30,10	{ N. Westerly. Fresh breezes, and foggy; with much snow.
31	68 6	185 39		35	30,21	{ N. W. b. N. Moderate wind, and hazy; some snow.
Sept. 1	67 30	187 15		35	30,20	{ North. Moderate wind, with snow and fleet.
2	66 37 $\frac{1}{2}$	189 20	27 57 $\frac{1}{2}$	34	30,07	{ N. N. W. Light winds, and much snow.
3	65 28	189 5		44	29,97	{ N. N. W. Moderate wind; showers of snow.
4	64 38 $\frac{1}{2}$	188 15	24 53	39	29,76	{ Northerly. Light winds, and fine weather.
5	64 8	189 57		39 $\frac{1}{2}$	29,84	{ N. N. W. Light winds; the air dry and cold.
6	63 55 $\frac{1}{2}$	193 30	26 53	43	29,66	{ N. N. W. Light winds, and fair weather.
7	64 16	194 20	25 59	46	29,84	{ Variable. Light airs, and fine weather.
8	64 27	196 3		45 $\frac{1}{2}$	30,00	{ Westerly. The same weather.
9	64 34 $\frac{1}{2}$	197 41		46 $\frac{1}{2}$	29,90	{ S. Westerly. Fresh breezes, and foggy; some rain.
10	64 33	197 30		41	29,97	{ Westerly. Light winds, and cloudy. In Norton Sound.

TABLE XIV.

Route of the Resolution and Discovery from Norton Sound to the Island of Oonalashka.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1778. Sept. 17	64 10	198 30	0	46 ¹ / ₂	29,78	Easterly. Light winds, and fair weather.
18	63 37	197 45		42 ¹ / ₂	29,90	Ditto. Light winds, and fine weather.
19	63 43	196 12		49	29,97	Variable. Moderate wind, and fair weather.
20	63 37	192 12	22 23	38	29,73	N. Easterly. Fresh gales, and passing clouds.
21	62 58	190 17		39	29,67	Northerly. Fresh gales, with showers of snow.
22	61 45	189 0		39	29,74	N. Westerly. Gentle gales, with showers of snow.
23	60 21 ¹ / ₂	187 30		40	29,95	N. W. A fresh breeze, and cloudy cold weather.
24	59 17 ¹ / ₄	189 5		40	30,25	Variable. Moderate wind, and dry cloudy weather.
25	58 31	190 51		44	30,00	Southerly. Strong gales, and cloudy, but mild weather.
26	58 36 ¹ / ₂	189 15		44 ¹ / ₂	29,30	S. S. E. Fresh gales, and hazy weather; some rain.
27	58 36	189 43		45 ¹ / ₂	29,25	S. S. E. Moderate wind, and cloudy; some rain.
28	58 2	190 28		49	29,41	Southerly. Light winds, and mostly fair weather.
29	57 0	192 2		50	29,69	S. W. Fresh gales, with showers of sleet and rain.
30	56 30	192 50		50	29,75	Variable. Light winds, and some showers. Many whales.
Oct. 1	55 29	193 0		47	29,77	S. Westerly. Light airs, and some showers.
2	54 2 ¹ / ₂	192 27		45	30,14	Westerly. Light airs, and showery weather.
3	53 59		19 59	47	30,47	Westerly. Light breezes. Standing into Samganoodha harbour, in the island of Oonalashka.



TABLE XV.
Route of the Resolution and Discovery from Oonalashka to
Sandwich Isles.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
^{1778.} Oct. 27	54 8	°	19 59	43 $\frac{1}{2}$	30,01	Variable. Strong gales, with rain.
28	53 59			44	29,60	S. Westerly. Strong gales, with hail and rain.
29	53 52 $\frac{1}{2}$	191 41		39	30,05	Variable. Very strong gales, with hail and rain.
30	53 45			38	29,50	West. Strong gales, with showers of snow and rain.
31	52 1 $\frac{1}{2}$	194 56		39	30,40	West. Strong gales in squalls, with snow and fleet.
Nov. 1	49 55	196 2		41	30,11	Westerly. Strong gales, with hail, snow, and fleet.
2	48 31	197 10		46	29,95	Ditto. Fresh gales, with thick rainy weather.
3	48 1	198 28		43	29,50	Southerly. Strong gales, with rain.
4	45 44 $\frac{1}{2}$	199 51		46	29,92	W. b. S. Strong gales, with showers of hail.
5	44 31	200 36		49	29,40	Variable. Fresh gales, and rainy weather.
6	42 29 $\frac{1}{2}$	201 27	17 15	50	30,23	N. W. Moderate wind, and foggy weather.
7	41 10	202 2		55	30,25	S. W. Light winds, and some rain. Saw a shagg.
8	40 38	202 17	16 5	59	30,21	Westerly. Light winds, and cloudy.
9	39 36	202 36		58	30,17	North. Light winds, with rain.
10	39 10	203 16		64	30,36	Variable. Light winds, with flying clouds.
11	38 38	205 0		65	30,48	South. Moderate wind, and mostly cloudy.
12	38 14	206 17		67	30,31	South. Moderate wind, and mostly cloudy.
13	36 6	206 33		62	30,33	Westerly. Fresh gale, and hazy, with some rain.
14	34 39	206 46		63	30,43	N. b. E. Light winds, and cloudy weather.
15	33 33	206 57		69	30,40	E. N. E. Light winds, and mostly cloudy.

T A B L E XV. Continued.
Route of the Resolution and Discovery from Oonalafhka to
Sandwich Isles.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1778.	°	°	°	°	°	
Nov. 16	32 47	206 57	11 57	69	30,35	N. Easterly. Light winds, and cloudy. Several dolphins.
17	32 26	206 51		76	30,45	Easterly. Light winds, and fine weather.
18	32 41	207 52		74	30,32	S.S.E. Moderate wind, and fine weather.
19	32 27	206 44		71	30,15	Southerly. Moderate wind, and cloudy.
20	30 23	205 51		65	30,17	Variable. Strong gales, with rain.
21	27 53	206 28		67	30,21	Northerly. Strong wind, and showery weather.
22	26 17 $\frac{1}{2}$	206 25		68 $\frac{3}{4}$	30,31	North. Light winds, with showers.
23	24 49	206 0		72 $\frac{1}{2}$	30,30	Northerly. Light winds, and fine weather.
24	22 36	205 30		78	30,26	E.N.E. A fresh breeze, and fine weather.
25	20 57 $\frac{1}{2}$	204 38		81 $\frac{1}{2}$	30,22	Easterly. Fresh gales with showers.
26	20 57	203 28		81 $\frac{1}{2}$	30,16	Ditto. Fresh breeze, and fine weather. Sandwich Isles, from E. by the S. to W.

T A B L E XVI.
Route of the Resolution and Discovery from Sandwich Isles to the Bay of
St. Peter and Paul in Kamtschatka.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1779.	°	°	°	°	°	
March 15	21 47	199 37		75	30,15	Oneeheow, from N. E. $\frac{1}{2}$ E. to East; and Tahoora, S. W. b. W. about three leagues distant.
16	21 27	198 50		74	30,17	Easterly. Moderate breezes, and cloudy.
17	21 18	197 2		75 $\frac{1}{2}$	30,20	E.N.E. Fresh breezes, and fair weather.
18	21 12	195 26	10 4	77	30,21	N. E. b. E. Moderate wind, and fair weather.
19	21 11	194 28	9 10	74 $\frac{1}{2}$	30,16	N. Easterly. Moderate wind, and fair. Many boobies.
20	20 52	193 22	11 30 $\frac{1}{2}$	75 $\frac{1}{2}$	30,12	N. N. E. Light wind, and fair weather. Many sharks.

TABLE XVI. Continued.
Route of the Resolution and Discovery from Sandwich Isles to the Bay
of St. Peter and Paul, in Kamtschatka.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1779.	°	°	°	°		
March 21	20 37	192 13	11 26	77	30,21	E. N. E. Moderate wind, and fair weather. Several bonetos about.
22	20 27	190 44		77	30,23	E. b. N. Moderate wind, with some rain.
23	19 58	188 22	11 51	78	30,24	N. E. b. E. Fresh breezes, with rain.
24	19 56	186 0		81	30,21	E. N. E. Moderate wind, and some rain.
25	19 58	184 12	11 14	83 $\frac{1}{2}$	30,18	Easterly. Moderate wind, and fair weather. Several men-of-war birds.
26	19 48	183 9		73	30,16	Easterly. Light winds, and fair weather. The birds remain with us.
27	19 49 $\frac{1}{2}$	182 29	12 8	84 $\frac{1}{2}$	30,10	East. Light winds, and fine weather.
28	20 6	181 23		85 $\frac{1}{2}$	30,06	E. N. E. Light winds, and fine weather. Many men-of-war birds.
29	20 16	180 59		83	30,00	Easterly. Light winds, and fine weather. Boobies, and men-of-war birds.
30	20 21	180 25		78	30,00	Southerly. Light winds, and some rain. Porpoises, dolphins, and birds.
31	20 35	179 47		80 $\frac{1}{2}$	30,07	Southerly. Light airs, and hot sultry weather.
April 1	21 14	179 31	11 21 $\frac{1}{2}$	79	30,10	Easterly. Light winds, and cloudy. Dolphins, and men-of-war birds.
2	22 36	177 20		76	30,20	N. Easterly. Fresh gales, and squally weather. Passed a turtle.
3	24 38 $\frac{1}{2}$	175 21		75 $\frac{1}{2}$	30,21	N. Easterly. Fresh gales, and cloudy.
4	26 21	173 36		73	30,30	E. N. E. Fresh gales, and hazy, with rain; some lightning.
5	28 33	171 47		71	30,12	Easterly. Fresh gales, and hazy, with rain.
6	30 13	170 13		69	29,98	Variable. Fresh gales, with rain.
7	30 6 $\frac{1}{2}$	168 15		59	30,24	N. b. W. Fresh gales, and squally, with rain. Saw an albatross.
8	30 39	167 4	9 9	62	30,46	N. Easterly. Fresh breezes, and cloudy; some rain.
9	32 16	166 39		67	30,42	S. Easterly. Moderate wind, and fair weather.
10	33 30 $\frac{1}{2}$	166 0		63	30,42	Variable. Light winds, and cloudy; some rain.

TABLE XVI. Continued.

Route of the Resolution and Discovery from Sandwich Isles to the Bay of St. Peter and Paul, in Kamtschatka.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1779.	°	°	°	°	Inches.	
April 11	35 32	165 30		62	29,94	Southerly. Fresh breezes, and squally; some rain.
12	37 10	164 34		50	30,42	Variable. Fresh gales, and hazy; some rain. Birds.
13	39 30	163 20		49	30,33	Easterly. Fresh gales, and hazy, with rain. Some divers.
14	40 53	162 13		45	29,94	E. N. E. Strong wind, with rain and hail.
15	41 52	160 42		42	30,30	N. Easterly. Strong gales, and cloudy.
16	42 12 $\frac{1}{2}$	159 41	6 20	41	30,36	Northerly. Light winds, and cloudy weather.
17	43 18	160 0		41	30,31	Northerly. Moderate wind, and cloudy weather.
18	46 9	160 48		37	29,67	Variable. Fresh gales, with rain.
19	48 40	161 14		31 $\frac{1}{2}$	29,80	Southerly. Fresh gales, with snow.
20	49 48	161 30	9 33 $\frac{1}{2}$	32	29,83	S. W. Moderate wind, and snow at times.
21	50 25 $\frac{1}{4}$	161 48		36	30,05	Northerly. Moderate wind, and cloudy, with showers of snow.
22	51 38	160 7		30	30,16	N. Easterly. Fresh breezes, and cloudy.
23	52 11	159 37		30	30,17	N. Easterly. Moderate wind, and foggy. Saw the continent of Asia.
24	52 30	159 40		30	30,13	N. Easterly. Moderate wind, and foggy, with fleet.
25	52 40	159 30		30 $\frac{1}{2}$	30,55	N. E. Fresh gales, and hazy, with fleet.
26	52 35	159 43		29 $\frac{3}{4}$	29,90	N. E. Fresh gales, with much snow.
27	52 45	159 43		29 $\frac{3}{4}$	30,20	N. Easterly. Fresh gales, and foggy, with snow.
28	52 45	160 0		34	30,11	N. N. E. Moderate breezes, with fleet. The North point forming the entrance into the bay of St. Peter and Paul, bore N. 49° West, distant about three leagues.

TABLE XVII.

Route of the Resolution and Discovery from the Bay of St. Peter and Paul toward the North, and back to that Place.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1779.	°	°	°	°	Inches.	
June 17	52 46	159 11	7 59 $\frac{1}{2}$	49 $\frac{1}{2}$	29,74	Variable. Light winds, and hazy, with some rain.
18	52 39	159 42	8 59	42 $\frac{1}{2}$	29,92	S. E. b. E. Light winds, and foggy weather.
19	53 59	161 17		46	29,95	S. S. W. Light winds, and thick foggy weather.
20	54 53 $\frac{1}{2}$	162 48		45	29,97	S. b. W. Fresh gales, and foggy weather. Many birds.
21	55 51 $\frac{1}{4}$	163 42		47 $\frac{1}{2}$	30,03	Variable. Moderate wind, and hazy weather.
22	56 48	164 45		52	29,75	Variable. Moderate wind, and some rain.
23	57 11	165 47		48 $\frac{1}{2}$	30,03	Variable. Light winds, and foggy.
24	58 19 $\frac{1}{2}$	167 20	13 11 $\frac{1}{2}$	46 $\frac{1}{2}$	29,92	S. S. W. Moderate wind, and foggy at times.
25	59 8	168 16	13 10	50 $\frac{1}{2}$	30,06	Southerly. Light winds, and foggy at times.
26	59 27	170 46		44 $\frac{1}{4}$	30,07	S. W. b. S. Moderate wind, and very foggy.
27	59 52	175 44	13 30	43	29,96	S. W. Fresh gales, and foggy. Many gulls.
28	61 56	176 2	17 19	50 $\frac{1}{4}$	29,60	S. W. Moderate wind, and hazy. Birds and drift-wood.
29	62 4	178 24		44 $\frac{1}{2}$	29,43	Westerly. Moderate wind, and hazy; some rain.
30	61 49	180 17		41 $\frac{1}{2}$	29,71	Ditto. Light breezes, and hazy weather.
July 1	62 10	181 13		44	29,72	Variable. Light winds, and foggy; some rain.
2	62 38	182 49		45	29,82	Southerly. Light winds, and thick fog.
3	63 35	186 57		44	30,09	S. E. Moderate wind, and mostly foggy.
4	64 33	188 51	26 53	42	30,16	S. E. Light winds, and foggy, at times.
5	65 42	189 47		42 $\frac{1}{2}$	30,07	Southerly. Light airs, and foggy. Many whales and birds.
6	67 0	191 24		40	29,87	S. b. E. Moderate wind, and hazy. Met with ice.

T A B L E XVII. Continued.
Route of the Resolution and Discovery from the Bay of St. Peter and Paul toward the North, and back to that Place.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1779. July 7	68 22	192 18	27 22	37	29,67	Southerly. Moderate wind, and foggy; with rain. Sea-horses.
8	69 25	192 39	21 39	32	29,71	Variable. Light winds, and foggy, with snow and rain.
9	69 11	188 54	29 28	32	29,44	N. b. W. Fresh gales, and hazy, with snow, and cold weather.
10	68 1	188 50		39	29,52	N. W. Light winds, and foggy, with snow.
11	67 51	189 21	27 32	38	29,48	N. Easterly. Light winds and foggy, with snow and sleet.
12	68 41	189 0		37	29,18	Northerly. Light winds, rain and sleet.
13	69 29	188 10	26 10	36	29,78	Variable. Moderate wind, rain and sleet.
14	69 37	189 4		41	29,67	Easterly. Light winds, and foggy, with rain and sleet.
15	69 36	190 17		35	29,55	Variable. Light winds, and thick foggy weather.
16	69 53	193 7		32	29,60	S. Westerly. Strong wind and foggy, with snow and sleet.
17	69 55	195 14	35 37	36	29,50	S. Westerly. Fresh gales, with snow and sleet.
18	70 26	196 18	31 20	37	29,80	Variable. Light winds and foggy, with snow and sleet.
19	70 11	197 4	28 59	37	29,91	Ditto. Light winds, and thick foggy weather.
20	69 37	195 1		41	29,90	Easterly. Moderate wind, and foggy.
21	69 37	193 7		44	29,70	Easterly. Moderate wind, and foggy weather.
22	69 27	188 35		48	29,46	Easterly. Fresh gales, with rain.
23	69 3	187 29		37	29,40	Easterly. Moderate wind, and foggy weather.
24	68 51	188 37		37	29,12	Variable. Moderate wind, and foggy; some rain.
25	68 38	190 2	21 48	35	29,97	S. Westerly. Moderate wind, and foggy.
26	67 59	188 27		39	29,78	Southerly. Fresh gales and cloudy weather.



T A B L E XVII. Continued.
Route of the Resolution and Discovery from the Bay of St. Peter and Paul toward the North, and back to that place.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1779.	°	°	°	°	Inches.	
July 27	67 47	188 27		37	29,80	Variable. Light winds, and foggy, with rain.
28	67 9	189 46		43	29,86	Southerly. Moderate wind, and hazy.
29	66 50	190 52		42	29,80	S. Easterly. Moderate wind, and fair weather.
30	66 20	191 20		42	29,60	Variable. Little wind, and thick fog.
31	65 5	189 20	22 52 $\frac{1}{2}$	42	29,82	Northerly. Moderate wind, and foggy: some rain.
Aug. 1	64 25 $\frac{1}{2}$	189 45	19 47	40	29,79	Variable. Light winds, and foggy weather.
2	64 1	189 57	24 38	47	29,73	Southerly. Moderate wind and foggy.
3	64 5	189 26		45	29,61	Easterly. Little wind, and hazy weather.
4	64 0	188 11		41	29,57	Southerly. Light winds, and foggy.
5	62 18	186 1		42 $\frac{1}{2}$	29,46	Northerly. Fresh gales, and hazy, with rain.
6	60 47	184 31		43	29,75	Westerly. Fresh gales, and hazy: some rain.
7	59 35	183 30	18 25	44	30,14	Ditto. Moderate wind, and hazy: some rain.
8	59 5	180 42		45	29,50	Southerly. Fresh gales, and fair weather.
9	58 49	177 4		48	28,95	Southerly. Fresh gales, and foggy: with rain.
10	58 26	174 18		48	28,94	Variable. Moderate wind; some rain.
11	57 25	172 41	11 34	49 $\frac{1}{2}$	29,15	Westerly. Moderate wind, and hazy; some rain.
12	56 28	171 46	11 11	51	29,40	Ditto. Moderate wind, and cloudy weather.
13	55 23	170 50		50	29,77	Ditto. Moderate wind, and fair weather.
14	54 50	171 26		48	29,93	S. Westerly. Moderate wind, and hazy; some rain.
15	54 10	171 14		48	29,96	Westerly. Moderate wind, and cloudy.
16	54 22	170 40		51	29,84	Ditto. Light winds, and hazy weather.

TABLE XVII. Continued.

Route of the Resolution and Discovery from the Bay of St. Peter and Paul toward the North, and back to that place.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
^{1779.} Aug. 17	53 48	168 19	9 55	50	30,02	N. Westerly. Moderate, and fair weather. Westerly. Moderate wind, and fair weather. Southerly. Fresh gales, and cloudy, with rain. Variable. Fresh gales, and cloudy weather. S. W. Moderate wind, and hazy weather. Variable. Light winds, and cloudy; some rain. Westerly. Light winds, and cloudy. N. W. b. N. Moderate wind, and fair weather. In the bay of St. Peter and Paul.
18	52 38	167 50		52	30,05	
19	52 38	165 21		49 ⁺	29,66	
20	53 7	162 40		52	30,03	
21	53 45	161 38		57	29,90	
22	53 8	160 36	6 18	57	29,97	
23	52 46	160 10	6 12	56	29,92	
24	52 52	158 43 ⁺	6 20 ⁺	57	30,13	

TABLE XVIII.

Route of the Resolution and Discovery from the Bay of St. Peter and Paul to Macao in China.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
^{1779.} Oct. 10	52 38	158 37	6 20 ⁺	60	29,78	N. W. b. N. Light winds, and fine weather. Variable. Moderate wind, and cloudy. Northerly. Moderate wind, and cloudy; some rain. Variable. Moderate wind, and fine weather. Westerly. Moderate wind, and fine weather. Ditto. Moderate wind, and some showers
11	52 5	158 30	6 3	47	29,93	
12	51 0	157 22	5 17	46	29,86	
13	49 49	156 47	4 49	42	29,55	
14	48 17	155 30		43	29,80	
15	46 31	155 20	5 14	44	30,09	

TABLE XVIII. Continued.
Route of the Resolution and Discovery from the Bay of St. Peter and Paul to Macao in China.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
					Inches.	
1779.	°	°	°	°		
Oct. 16	45 27	155 23	4 39	47	30,15	Westerly. Moderate wind, and fine weather.
17	45 7	153 47	4 54	48	30,14	N. Westerly. Light winds, and fine weather.
18	44 28	152 46		50	30,26	Westerly. Moderate wind, and cloudy; with showers.
19	44 15	150 36		50	29,50	Southerly. Strong gales, and cloudy; some rain.
20	43 47	150 24		49	29,37	Ditto. Moderate wind, and thick hazy weather.
21	42 40	149 20		45	29,92	Variable. Strong gales, with rain.
22	40 59	148 0	2 27	44	30,15	N. Westerly. Fresh gales, and fair weather.
23	40 35	146 39	0 49	51	30,36	Variable. Light winds, and cloudy.
24	40 48	145 30		59	29,96	S. Westerly. Fresh gales, with rain.
25	40 25	144 2		53	30,00	Variable. Fresh gales, and hazy; some rain.
26	40 5	142 25	0 15	62	30,02	Variable. Moderate wind, and fair weather. Saw the coast of Japan.
27	39 16 $\frac{1}{2}$	143 2	1 13	62	30,15	Ditto. Moderate wind, and cloudy. Saw the East coast of Japan.
28	38 15	142 6	1 17	62	30,14	Ditto. Light winds, and cloudy. All day within sight of Japan.
29	37 45	141 50		64 $\frac{1}{2}$	30,11	Southerly. Fresh gales, and hazy; some rain.
30	36 41	142 3	1 20	60	29,93	Variable. Brisk wind, and hazy weather.
31	35 33	142 3		63	30,10	Ditto. Moderate wind, and fair weather.
Nov. 1	35 17	141 29	1 41	69	30,35	Ditto. Moderate wind, and fine weather.
2	35 43	141 15		71	30,29	S. S. E. Fresh breezes, and fair weather.
3	36 29	144 48		73	30,02	S. b. E. Fresh breezes, and cloudy, with rain.
4	35 48 $\frac{1}{2}$	146 33	3 14	75	29,85	S. S. W. Moderate wind, with some lightning and rain.
5	35 15	147 18	2 58 $\frac{1}{2}$	70	29,86	Variable. Light winds, with rain.

TABLE XVIII. Continued.

Route of the Resolution and Discovery from the Bay of St. Peter and Paul, to Macao in China.

Time.	Latitude North.	Longitude East.	Variation East.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1779.	°	°	°	°		
Nov. 6	35 1	147 28	3 59	70	30,18	Variable. Moderate wind, and some showers.
7	33 50	148 40		71	30,19	Ditto. Fresh breezes, and fair weather.
8	33 6	148 45		69	30,14	Ditto. Light winds, and cloudy.
9	31 46	146 15		68½	29,78	Northerly. Light winds, with rain.
10	30 42	145 20		69	29,68	Ditto. Fresh gales, and thick rainy weather.
11	29 7	144 20		70½	29,80	Ditto. Fresh gales, and dark rainy weather.
12	27 36	144 26		70	29,40	N. N. E. Strong gales, and thick rainy weather.
13	25 59	143 27	3 49	72	29,81	N. W. Strong wind, and foggy, with rain.
14	24 36½	142 9	2 49	74	30,05	Northerly. Moderate wind, and fine weather.
15	24 49	141 15	2 57	79	30,18	Ditto. Moderate wind, and fine weather.
16	25 7	139 2	1 49½	81½	30,15	Easterly. Moderate wind, and fine weather.
17	24 45	137 56	2 15	76	30,18	Variable. Moderate wind, and fine weather.
18	23 45	135 36		75	30,31	Northerly. Fresh gales, and cloudy.
19	22 47	133 22		77	30,34	N. E. b. N. Fresh gales, and cloudy, with showers.
20	22 5	131 15	1 0½	77	30,24	E. N. E. Fresh gales, with some showers.
21	21 26	129 3	0 1½	80	30,16	E. N. E. Moderate wind, with showers.
22	20 48	126 39		75½	30,10	N. E. Fresh gales, with rain.
23	21 10	123 38		75	30,04	N. E. Strong gales, and rainy weather.
24	21 29	122 24		74	29,91	N. E. Fresh gales, and much rain.
25	21 35	121 24		73½	29,99	N. N. E. Strong wind, with rain.
26	21 12	120 12	0 0½ E.	73	30,01	N. N. E. Fresh gales, and cloudy; some rain.
27	21 5	118 22		70½	30,08	Northerly. Fresh gales, and hazy; some rain.

T A B L E XVIII. Continued.
Route of the Resolution and Discovery from the Bay of St. Peter and Paul, to Macao in China.

Time.	Latitude North	Longitude East.	Variation East.	Therm.	Barom.	Winds, Weather, and Remarks.
1779.	°	°	°	°	Inches.	
Nov. 28	20 42	116 42		71 $\frac{1}{2}$	30,14	N. N. E. Fresh gales, and cloudy; some rain.
29	21 58 $\frac{1}{2}$	115 54		71	30,15	N. E. Fresh gales, and cloudy.
30	21 57	114 9		69	30,20	N. E. Fresh breezes, and cloudy; some rain.
Dec. 1				67	30,27	N. b. E. Fresh breezes, and cloudy; some rain.
22	8	113 43	° 32W.	66	30,30	Variable. Fresh breezes, and cloudy. At anchor at Macao.

T A B L E XIX.
Route of the Resolution and Discovery from Macao in China to the Cape of Good Hope.

Time.	Latitude North.	Longitude East.	Variation West.	Therm.	Barom.	Winds, Weather, and Remarks.
1780.	°	°	°	°	Inches.	
Jan. 13						The Typa distant three miles. The Grand Ladrone E. distant five or six miles.
14	20 34	113 53		68	30,26	N. Easterly. Moderate wind, and fair weather.
15	18 57	114 3		72	30,23	E. N. E. Moderate wind, and fair weather.
16	16 39	114 5	° 39 $\frac{1}{2}$	69 $\frac{1}{2}$	30,15	N. Easterly. Brisk wind, with some rain.
17	14 39	113 13	1 24 $\frac{1}{2}$	73	30,17	Ditto. Fresh gales, and cloudy; some rain.
18	12 32	112 0		75	30,10	N. E. b. N. Fresh gales, and cloudy; some rain.
19	10 22	109 43		73	30,25	N. N. E. Fresh gales, and squally weather.
20	8 46	106 45		73	30,26	N. E. Fresh gales, and fair weather.

T A B L E XIX. Continued.
Route of the Resolution and Discovery from Macao in China to the
Cape of Good Hope.

Time.	Latitude North.	Longitude East.	Variation West.	Therm.	Barom.	Winds, Weather, and Remarks.
1780.	°	°	°	°	Inches.	
Jan. 21	8 39	106 30		75	30,19	N. b. W. Fresh breezes, and hazy weather. From this day to the 28th, at anchor at Pulo Condore.
29	6 53	105 35		79	30,10	N. E. b. E. Fresh breezes, and fair weather.
30	5 2	104 45		78	30,10	N. E. Moderate wind, and cloudy weather.
31	3 18	104 29	0 30	78	30,07	N. E. b. N. Moderate breezes, and fine weather.
Feb. 1	1 21	105 15	0 26 1/2 E.	78 1/2	30,05	N. b. E. Fresh breezes, and clear weather.
2	0 25 S.	105 15		80	30,09	North. Light winds, and clear.
3	1 48	105 3		81	30,07	N. N. E. Light winds, and clear. Lightning, S. W.
4	2 22	105 38		81 1/2	30,09	N. Easterly. Light breezes, and fair; some lightning.
5	3 9	106 12		83	30,00	Northerly. Light breezes, and fair weather.
6	4 33	106 15		81	30,00	Northerly. Light breezes, and fair weather.
7	5 21	106 0		81 1/2	29,97	Ditto. Light winds, and cloudy; some lightning.
8	5 38	105 45		78	29,90	Ditto. Light winds; thunder, lightning, and rain. From this time to the 18th, at Prince's Island, in the Straits of Sunda.
19	7 32	105 10		80 1/2	29,96	W. N. W. Light airs, and cloudy.
20	8 30	105 4		82	29,93	N. Westerly. Moderate wind, and cloudy; some rain.
21	9 23	104 48		82 1/2	29,90	Westerly. Light airs, and hazy.
22	10 31	104 24		82 1/2	29,89	W. N. W. Moderate wind, and cloudy, with showers.
23	11 47	103 46		80	29,90	Northerly. Moderate wind, and cloudy, with rain.
24	13 5	103 10		82	29,86	Variable. Fresh gales, with rain.

TABLE XIX. Continued.
Route of the Resolution and Discovery from Macao in China to the
Cape of Good Hope.

Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
^{1780.} Feb. 25	13 24	101 31	0	79	30,07	Variable. Fresh gales, with much rain.
26	13 35	100 0		78	30,01	Southerly. Moderate wind, and cloudy weather.
27	13 57	99 20		81	29,98	S. Easterly. Light airs, and pleasant weather.
28	14 56	97 43		79	30,15	Ditto. Moderate wind, and cloudy, with showers.
29	15 53	94 50	2 47	79	30,12	S. S. E. Moderate wind, and cloudy, with showers.
March 1	16 52	92 11		79	30,10	S. E. A fresh gale, and clear weather.
2	17 12	89 35		78	30,19	S. E. b. E. A fresh gale, and fair weather.
3	17 59	87 33		79	30,21	Easterly. Moderate wind, and fine weather.
4	18 25	84 24	3 11	78 $\frac{1}{2}$	30,16	S. E. Moderate wind; some rain.
5	19 2	83 12		78	30,17	S. Easterly. Fresh gale, and fair weather.
6	19 14	81 11		79	30,15	E. S. E. Moderate wind, and mostly rainy.
7	19 40	78 49		78 $\frac{1}{2}$	30,15	E. S. E. Fresh breezes, and cloudy; some rain.
8	20 1	76 58		84	30,14	East. Moderate wind, and fair weather.
9	20 23	75 10		81	30,13	E. S. E. Moderate wind; some rain.
10	20 39	73 20		81	30,19	E. S. E. Moderate breezes; some rain.
11	20 49	71 47		82	30,18	S. E. b. E. Fresh breezes, with rain.
12	21 6	69 22	8 57	81	30,17	E. S. E. Fresh breezes, and fine weather.
13	21 28	67 2		80 $\frac{1}{2}$	30,14	E. S. E. Moderate breezes, and fine weather.
14	22 2	64 58		80 $\frac{1}{2}$	30,21	S. E. Brisk wind, with some rain.
15	22 37	62 56		81	30,21	S. E. Moderate wind, and fair weather.
16	23 13	61 28		80	30,31	E. S. E. Moderate wind, and fair weather.
17	24 14	59 53		81	30,22	S. E. b. E. Moderate wind, and cloudy; some rain.

T A B L E XIX. Continued.
Route of the Resolution and Discovery from Macao in China to the
Cape of Good Hope.

Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom.	Winds, Weather, and Remarks.
1780. March 18	25 9	58 50	19 0	79	30,29	S. E. b. E. Moderate wind, and hazy.
19	26 7	56 40		77	30,25	S. E. b. S. Fresh breezes, and cloudy.
20	26 36	54 48		77	30,22	S. E. Moderate wind, and cloudy.
21	27 19	52 35		77 $\frac{1}{2}$	30,30	E. S. E. Moderate wind, and fair weather.
22	28 6	49 47		75	30,27	S. b. E. Fresh gales, and cloudy.
23	28 26 $\frac{1}{2}$	46 30		76	30,19	S. E. Fresh gales, and cloudy; rain at times.
24	29 6	43 40		76	30,36	S. E. b. E. Strong wind, with rain at times.
25	29 39	41 0	21 27 $\frac{1}{2}$	76	30,25	S. E. Moderate wind, and fine weather.
26	30 26	38 47		75	30,19	S. Easterly. Moderate breezes; some rain.
27	31 3	37 20		77	30,09	Ditto. Moderate wind, and fine weather.
28	31 42	35 19		78	29,86	Variable. Moderate wind; thunder, lightning, and rain.
29	31 24	34 20		76	30,21	Ditto. Light winds; some rain.
30	31 6	33 30		73	30,23	S. Westerly. Moderate wind, and clear weather.
31	31 20	32 10	26 31	74	30,28	Southerly. Light winds, and fair weather.
April 1	32 11	30 37		76	30,27	Easterly. Light winds, and hazy.
2	33 24	28 57		78	30,17	South. Moderate wind, and cloudy.
3	34 24	26 12		76	30,08	East. Moderate wind, and fine weather.
4	35 23	24 4		76	30,14	Variable. Light winds, and hazy; some rain.
5	36 13	22 17		73	30,24	S. S. W. Light winds, and pleasant weather.
6	35 49	21 41		74	30,26	Southerly. Light airs, and clear weather.
7	35 14	20 37		70	29,98	S. W. Light winds, and hazy.
8	34 57	20 21		67	30,00	Westerly. Moderate wind, and hazy; rain at times.



TABLE XIX. Continued.
Route of the Resolution and Discovery from Macao in China to the
Cape of Good Hope.

Time.	Latitude South.	Longitude East.	Variation West.	Therm.	Barom. Inches.	Winds, Weather, and Remarks.
1780.	•	•	•	•		
April 9	35 7	19 50		67	30,05	Southerly. Moderate wind, and cloudy; some rain. Variable. Fresh gales, and squally; some rain. Westerly. Moderate wind, and cloudy. At noon, the Cape of Good Hope N. b. W. and the Table Mountain N. b. E. $\frac{1}{2}$ E.
10	34 31	18 40		69	30,06	
11	34 36	18 20		67	30,25	