

LIST OF POSITIONS AND VARIATION OF COMPASS.

PLACE.	N. Lat.	W. Long.	Mag. Var. E.	REMARKS.
Mouth of Arctic Red River	67 26 00	134 4 00	46 00	Lat. by Circum. Mer. Sun. Long. by Chron. diff.
Fort McPherson, Peels River	67 25 47	135 30 00	45 30	Lat. by Circum. Mer. N & S Stars. Long. by Occultation.
WEST BRANCH OF MACKENZIE RIVER.				
Mouth of Peels River	67 41 00	134 56 00	45 40	Lat. by Circum. Mer. Sun. Long. by Chron. diff.
Camp G	68 7 00	135 7 00	45 30	Lat. by Circum. Mer. Sun. Long. by Chron. diff.
Camp E	68 15 00	135 35 00		Lat. by Circum. Mer. Sun. Long. by Chron. diff.
EAST BRANCH OF MACKENZIE RIVER.				
Point Separation	67 36 00			Lat. by Circum. Mer. Star.
Camp B Lob-sticks	67 46 00	134 42 00		Lat. by Mer. Alt. of Star. Long. by Chron. diff.
Mouth of Little River	68 3 00	134 5 00		Lat. by Circum. Sun. Long. by Chron. diff.
26th Camp	68 15 00	134 16 00	45 54	Lat. by Circum. Sun. Long. by Chron. diff.
22nd Camp	68 52 00	135 3 00	45 00	Lat. by Circum. Sun. Long. by Chron. diff.
S.W. Point of Richard I.	68 59 00	135 6 00	44 00	Lat. by Circum. Sun. Long. by Chron. diff.
THE LAKES.				
S. of Long Lake	68 11 00	132 36 00	46 25	Lat. by Double Alt. Sun. Long. by triangulation from Winter Camp.
N. of Long Lake	68 16 00	133 31 00	46 48	Lat. by Circum. Sun & Star. Long. by triangulation.
S. of Eskimo Lake	68 35 00	132 57 00		Lat. by mean of 3 obs. Long. by triangulation.
Z. West of Eskimo Lake	68 36 00	133 00 00		Lat. & Long. by triangulation from Winter Camp.
Y. West of Eskimo Lake	68 37 00	132 59 00		Lat. & Long. by triangulation from Winter Camp.
Winter Camp	68 49 19	132 54 00	47 36	Lat. by Sun and Stars mean of 4 obs. Long. by mean of 4 occultations.
2nd Camp Observation Hill	68 52 00	133 36 00	48 31	Lat. by Circum. Sun. Long. by Lat. and Az. from Winter Camp.
4th Camp	69 00 00	133 5 00	48 49	Lat. by mean of 2 obs. Long. by Chron. diff.
5th Camp	69 6 00	132 36 00	48 51	Lat. by Circum. Sun. Long. by Chron. diff.
6th Camp	69 15 00	132 31 00	50 36	Lat. by Double Alt. Sun. Long. by Chron. diff.
8th Camp	69 28 00	132 18 00	46 33	Lat. by Double Alt. Sun. Long. by Chron. diff.
11th Camp	69 43 00	133 29 00	48 54	Lat. by Double Alt. Sun. Long. by Chron. diff.
THE ARCTIC COAST.				
12th Camp, "Nuvuktok"	69 50 30	131 39 00		Lat. by Double Alt. Sun. Long. by Chron. diff.
Island between 13th and 14th Camps	69 51 00	131 46 00	48 42	Lat. by Sun mean of 9 obs. Long. by Chron. diff.
14th Camp	69 43 00	132 18 30	50 22	Lat. by Double Alt. Sun. Long. by Chron. diff.
16th Camp, Toks Point	69 36 00		46 44	Lat. by Circum. Sun.
17th Camp, "Kangianik"	69 22 00	133 44 00	47 36	Lat. by Circum. Sun mean of 2 obs. Long. by Chron. diff.
HERSCHEL ISLAND.				
Camp E	68 15 00	135 35 00		Chron. diff.
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HERSCHEL ISLAND.				
Observation Spot	69 32 48	138 57 15		Lat. by Sun mean of 3 obs. Long. by an Officer of the "Thetis."
Pauline Cove	69 34 00	138 50 38	41 36	Lat. by Circum. Sun. Long. by Lat. and Az.
S.W. Sandpit Fish Camp	69 31 00			Lat. by Mer. Alt. of Sun.
THE BAILLIE ISLANDS.				
S.W. Sandpit	70 29 40	128 17 39	53 6	Lat. by Mer. Alt. of Sun. Long. by Chron. diff.
Ice Houses	70 30 35	128 18 2		Lat. by Mer. Alt. of Sun. Long. by Lat. and Az.
S.W. Corner of Island	70 32 18		52 15	Lat. by Sun mean of 2 obs.

The Variation of compass was obtained at the different stations by a comparison of prismatic compass bearings with true bearings found by astronomical observations taken with sextant and artificial horizon.

