

A

(150 m South)
To
"ONE TON"

Observer

Feb 1911 on Barrier
Mar 1911 at Hut Point

H. R. BOWERS

O.T.

36th JAN 1911 - APR. 10th 1911.

BAE

13

Archibald
Southern Sept. Journey
1911

[illegible]

Return from S. Depot Journey
Distances by Sledge Notes.

Depot	0	0	15 th Camp	79 30 5
Single Cairn	3 - 125			
See that Cairn	8 - 1175			14 th Camp, 24 wds. etc.
Pygmae Cairn (1 Bad track)	12 - 145			14 th Ret. Camp
W. W. McC Camp	16 - 200			(4 wds. - cairn)
2 nd Ret. Camp	22 - 1700			(5 wds -)
Bliz	23 - 700			Walls & Cairn
Bluff Depot	32 - 750			Numerous walls
(3 rd Ret. Camp)				
Small Cairn	33 - 525			(Blucher)
10 th Only Cairn (Cairn Cairn)	42 - 1450			8 walls on sledge prevented
4 th Ret. Camp	49 - 225			→ Numerous walls
3 rd Ret.	53 - 1595			
Dry Ret	58 - 670			Ten times
Lowest Camp out	58 - 1225			no Cairns
8 th Ret.	65 - 1875			down the mountain, 11 miles
5 th Ret. Camp	65 - 1425			6257 ft. W. Bl. Cairn
Evening Camp 1 with 74	74 - 0			
Ladder (7 th) Camp	77 - 0			
6 th Ret. Camp	80 - 1325			
French Camp	82 - 0			
Corner Camp	87 - 170			
7 th Ret. Camp	97 - 750			
8 th Ret.	103 - 500			
9 th Ret. Camp	111 - 0			

BRITISH ANTARCTIC EXPEDITION 1899-1900
INSTRUMENTS IN USE AND THEIR CORRECTIONS

METEOROLOGICAL OBSERVATIONS

TAKEN ON

Antarctic Surveying Journal

During 1911

By *W. G. Lawrence*

Position of Station: Lat

Height of Barometer (Station above Mean Sea Level)

BRITISH ANTARCTIC EXPEDITION, 1910.

METEOROLOGICAL OBSERVATIONS

TAKEN ~~AT~~

southern depot laying journey

During 1911.

By *J. R. Bowers*

Position of Station: Lat. _____ Long. _____

Height of Barometer Cistern above Mean Sea Level _____ feet.

INSTRUMENTS IN USE, AND THEIR CORRECTIONS.

BAROMETER, No. *755* COMPARED WITH STANDARD *at Terra Nova* in 1911.

Correction
required
quantity included -0.15.

For application see head of column

THERMOMETERS

-76 -50 -30 -11 +12 +32

Dry Bulb. No. _____

Max. in Shade. No. _____

Min. in Shade. No. _____

Max. in Sun. No. _____

Min. on Snow. No. _____

Thing V No. *89* +1.5 +1.0 +0.5 +0.5 0.0 -1.0

Mare No. *92* 0.0 0.0 +0.5 -0.5 -0.5 -1.0

Corrections applied
< 0 +5
0 to +20 0
> 20 -7

WEATHER.—Initials of the Beaufort Notation and Symbols adopted by international agreement for recording phenomena of weather.

b.	blue sky	r.	● rain.	~	glazed frost.
c.	detached clouds.	p.	passing showers.		
o	overcast.	d.	drizzling rain.	↘	gale.
m.	☼ mist.	e.	wet air without rain falling.	q.	squally.
f.	☼ fog.	s.	* snow.		
g.	gloomy.	+	snow drift.	○	solar corona.
u.	ugly, threatening.	⊠	snow lying.*	⊕	solar halo.
z.	∞ dust haze or smoke.	←	ice crystals.	☾	lunar corona.
v.	unusual visibility.	h.	▲ hail.	☾	lunar halo.
t.	⊥ thunder.	Δ	soft-hail.		
l.	< lightning.	w.	☾ dew.	(rainbow.
K	thunderstorm.	x.	⊥ hoar frost.	☾	aurora.
		V	silver-thaw. rime.		

* More than half the country in sight round the station covered with snow.

NOTE.—Do not use "h" for haze, nor "sh" for showers.

A line under an initial or the exponent "2," appended to a symbol, denotes intensity thus h or ▲² indicates heavy hail, ☼^o indicates light fog or mist.

BEAUFORT WIND SCALE.

Beaufort Number.	Description of Wind.	Equivalent velocity in miles per hour.
0	Calm.	0
1	<i>Light air</i>	2
2	} Light Breeze.	5
3		10
4		15
5	} Moderate Breeze.	21
6		27
7	} Strong Wind.	35
8		42
9	} Gale forces.	50
10		59
11		68
12	Hurricane.	above 75

INSTRUCTIONS.

Barometer.—The aneroid barometer should be lightly tapped before taking a reading.

Hypsometer.—Only pure water obtained from snow to be used. No water should be allowed to splash into the bulb of the thermometer during an observation.

Thermometer.—The aluminium sling thermometer should be allowed to remain in the open for at least ten minutes before a reading is taken in order that the bulb may acquire a temperature near that of the air. When an observation is to be made the thermometer should be opened and swung for a minute; the swinging must then be repeated until three readings have been obtained, each giving the same temperature. The final steady reading should then be entered in the note book. *If sun is shining thermometer should be swung in one's own shadow.*

Wind.—All wind directions must be "true" and not "magnetic."

Clouds.—The proportion of the sky covered by cloud should be indicated on a numerical scale running from 0, cloudless, to 10, completely overcast. The numbers given are to refer solely to the amount of the sky covered and not to the density, height or other quality of the cloud. Fog must be regarded as a cloud at ground level, and 10 must accordingly be entered for the amount of cloud on foggy days. If clouds can be seen through a thin mist, the amount of real cloud should be entered in the column and a note made under "Remarks."

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

The following are the chief cloud forms:

Cirrus	...	(Ci)	...	} High.
Cirro-Stratus	...	(Ci-St)	...	
Cirro-Cumulus	...	(Ci-Cu)	...	
Alto-Cumulus	...	(A-Cu)	...	
Alto-Stratus	...	(A-St)	...	} Low.
Strato-Cumulus	...	(St-Cu)	...	
Cumulus	...	(Cu)	...	
Stratus	...	(St)	...	
Nimbus	...	(Nb)	...	

Enter cloud directions as you would wind directions, i.e., the direction from which they are coming.

Weather.—The Beaufort notation given on page 3 should be used.

Remarks.—Haloes and any unusual phenomena should be noted. It is also desirable that general topographical notes should be added, as for instance, "In valley running N.W.," "To-day's camp higher than yesterday's," etc.

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

DAY.	HOUR	POSITION.		To Bar subt.	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
Thursday-		on Sea Ice											
26 I BN	10:30 pm	2° 14' N	141° 12' W	29.55	-	22°	SE	3	1	0.5	St	-	-
27 I II		on Sea Ice											
28 -	10 AM	Off West Pt		29.74	-	21.5	SE	3	bc	2	St	-	-
-	10:30 Pm	do		29.69	-	14.4	ESE	2	bc	4	a-st	E	-
29 I -	10 AM	do		29.72	-	18.2	ESE	2	0.	8	St. cu	nearby	Stationary
-	5 Pm	-	-	-	-	-	SE	4	0	10	St	E	-
-	11 Pm	do		29.86	-	14.3	SE	3	c.b.	6	a-st	NW	E. wind

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Clouds St. apparently Stationary among Mountains to W. & E. of station.

Noon. Much drift from S.E. obscuring Inman Bluffs.

Breeze Mod S fresh (4.55) in forenoon.

Shy partially overcast from 3 pm to 7 pm with a-st turning stilly from Eastern.

Min Therm. between 0° & 6.8°

Thin sheet of a-st overland. Blue Sky on horizon E. W. Cu E N.

Heavy bank of St. showing Mt. Discovery with Cu-st above. Lights bad - Camosby

Canopy of St. almost horizontal with E. wind.

11 pm Heavy Clouds with appearance of Snow etc. & St. etc.

dispersed in direction of Western Mt.

Min. 11 pm E. 9.45 29.55 10.2°

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
Monday											ci-st	↓	
30 Jan 1910	245	2 nd camp		29.97	-	18°	SE	3	L.c	4	ci	SSW	-
31 Jan	10:30	Safety Camp		30.02	-	22.6	Calm	0	O.m.	8	ci-st	-	-
		77°54	167°17										
	Noon	do					SE	2	O.S.	10	ci	-	-
do.	8:15 Pm	do.		30.02		19.5	SE	4	Cl. S.	7	ci-st	SSW	WNW

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Misty E. wind & SE. with slight haze over White Island. B. over
Western Mts & E. NW. Clouds practically stationary. Trebus &
Terra obscured by fog & haze. S. B.
Now Snow came on suddenly after a few short puffs of N. wind
from 2 lasting about 15 mins. Range high & increasing from SE
- Band of ci-cu extending NW - SSE. Drifts from NE to S dark
Slate blue in colour with Snow haze E. beneath & fine drift from
ESE blowing along Barrier Surface. B. with N and S. lines
of ci-st. E. wind. S. B.

Minimum Ther. 8:15 Pm to 8:30 Am + 0.8

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
1 II	9:10	30° 00' N	157° 41' W	29.94		12°	15° E	2	0	8	ci-st		
"	10:30 P			29.80		4°	15° E	4	0.6	8	ci-st		Fract.
2 II	3:30 P	4° Camps - 77° 54' N 167° 41' W		29.59		+3.2	15° E	2	3	9	cu		
2 II	10:30 P	4th Camp		29.20		+0.8	15° E	1	0. m	10	ci-st		
3 II	3:35 P	1st Hact		29.21		0°	15° E	3	0. C	10	ci-st		

BRITISH ANTARCTIC EXPEDITION, 1910. OBSERVER'S INITIALS.

REMARKS.

Atmosphere Clear. L. on Southern horizon.

L. over Mt. to S. of ice. Snowy Sky on Barrier with much drift. Mt. on Ross Id. obscured by S. & drift.

Minimum between 10.30 P.M. and 3.45 P.M. -5.8

Cu on NW horizon over Ross Id.

Minimum between obs -0.2

Very slight haze on Barrier. Clear to S. & W. with much mirage. Sky completely overcast by Ci-st. showing E. line of Cloud to S.

Halo round Sun about 18° in diam. \odot 's Alt about 5°

Halo only visible through Ci-st as 2 arcs on opposite sides.

Same alt as Sun.

Colors orange & yellow.

Parhelia

DAY.	HOUR	POSITION.		Bar -90.17	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
3 <u>II</u> 10	8.0 AM	5 ³ Camp.	77° 57' 168° 21'	29.31	1 st	12.1	Nbr	3	O.C	10	ci-st a-st st	-
do	10.30 PM	do		29.39		8.5	South	4	Cbs.	6	St	South
4 <u>II</u> -	4.0 AM	1 st Hach.		29.46		3.2	Calm	0	b.c.	3	ci-st Cu	lower upper Still S2
do	8.30 AM	5 ³ Camp.	78° 3' 168° 59'	29.41	2 nd	2.5	NNE	2	b.c.	2	ci-st Cu	5 ⁴ Still
Minimum between Noon & Midnight											+1.2°	

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S INITIALS.

Sunny mist on hills on Ross Id. Atmosphere on Barrier clear -
 Appearance of snow 5 or 10 mi and W.W.
 Minimum between noon & 8.5°
 Clouds moving from Sd. at 1000. S. 1000. Fair amount of drift &
 snow to S.W. While Id observed by light. Bluff just visible
 Very vivid Parhelia visible for 5 hours but with diminishing
 brightness. Wind fell at midnight & light variable air
 calm followed. Cloud gradually clearing till 4 AM.
 When part of Cu. settled on Erebus. Parhelia no longer visible.
 Cu. obscuring peaks of Mts to W. ward.
 10.30 AM Sky became overcast with layers of mottled St. morning
 up from E. & E. - About 11 AM no detached clouds visible Sky overcast
 and slight fall of S. from reg.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
5 II	0.30 AM	62° Camp		29.30	-	23°	SW	4 ⁵	0.5	10	St.	-	Sd.
"	9 AM	do		29.21	-	26°	SW	4	C. b.	7	ci- ci-si- si-	S ^h	SSW
"	9 PM	do		29.06	-	26.2	SW	6	0.5	10	St.	-	SW ^h
	about 3 AM.						SW	7					
5 II	9.35 AM	do		29.16	-	23.3	S.	6 ⁵	0.5	10	St.	-	Sd.

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Wind force increasing to 6 at times with considerable drift in
1.30 Sun visible for a short interval through drift. Breeze unsteady in force.
3.0 AM. Breeze increased in force to 7 with much drift.
9.0 AM. Blue sky & S. & S.W. St. clearing away rapidly. Wind unsteady
from SW without snow or drift. Ci & Ci-st to S^h overhead.
11 AM. Sky partially clear. St. moving rapidly from SW.
2.0 PM. Snow & drift from SW. wind shifted later to WSW
and W to S by 5 PM force 7, & minutes backing again to
SW. with heavy drifting snow of a soft nature with
small fine flakes. Minimum Thermo from 9 AM to 9 PM 26° }
Minimum do. from 9 PM to 9.30 AM = 22° }
9.40 AM. Sky lighter but nothing visible owing to heavy driving
drift of finest particles. Snow around the camp
drifted up to 200 feet deep in places.

DAY.	HOUR	POSITION.		Bar -17	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
6 th "	10 Pm	Corner Camp	6 th Camp	29.19	-	23.4	South	6	0.5 +	St-10	-	Sd.	
do	10 Pm	do	do	29.34	-	18.2	South	6	0.5	St 10	-	Sd.	
								ky					
7 th "	10 Am	do	do	29.40	-	19.1	SW	4	C.b. s.	6	S ²	SSW	
"	Noon	do	do	29.33	-	20.2	S.	3	b.c	4	S ²	St 10	
"	3 Pm	do	do	29.33	-	20.7	South	5	b.c	2	-	S ²	
7 th "	8:15 Pm	do	do	29.30	-	18.1	S ²	3	b.c	2	-	-	
8 th "	1:30 Am	1 st Hall	do	29.30	-	5.0	SSE	1	b.	1	St	-	Stationary

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum 9.30 5.1 pm = 23.2° F+.

Breeze steady. Indications of b. overhead & general light appearance all round. Drift heavy & sm invisible. Camp only distinguishable at short distance.

Minimum Therm 1.0 Pm to 10 Pm 18°

10 pm. Wind falling 5.5 + 4 in lulls. Slightly less drift - direction steady for last twelve hours.

10 am. Low clouds moving fast - blue sky to S & SW. Bluff visible with thick cloud above & all landmarks visible. General improvement.

3.0 pm. Breeze from SE increased again bringing up drift. Clear sky overhead & horizon with exception of ci-st to N.

Minimum Ther 3 Pm to 8.15 Pm 18°. 8.15 Pm. Atmosphere & Sky Clear. Cu lying over Ross Is. Breeze falling.

- Cloud over Ross Id. Apparently rising perpendicularly - Clear sky.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
				-17								upper	lower
8 <u>I</u> II	6.30 AM	76° 13'	168° 59'	29.25		9.8	S ^{ly}	1	bc	1	Ci.		
do	8.30	do		29.23		18.2	Caln	0	bc	3	Ci	SW	
do	11.45 PM	do		29.22		+2.5	S ^{ly}	1	bc	2	Ci	SW	
9 <u>II</u> II	3 AM	1 st Watch		29.25		-1.5	S ^{ly}	1	bc	3	Ci	SW	
do	8 AM	8 th Camp		29.33		+3.7	S ^{ly}	1	bc	6	Ci-st		
do	8.41	76° 24'	169° 3'										
do	4 PM	do		29.40		+1.8	Ssw	4	bc	6	Ci-st	SW	
do	10 PM	do		29.45		+15.8	Ssw	4	O.C.	9	Ci-st	SW	
10 <u>I</u> II	3.30 PM	do		29.45		+1.1	Ssw	4	O.C.	10	Ci-st	SW	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum 6.30 AM 5.0 PM 7° F +. 5 PM. Low air at times }
 Ci moving over in bar across sky running NNE SSE - moving slowly }
 2 AM. Wind increased to force 3 for space of 15 minutes with
 apparently a considerable fall in Temp. 3 AM Almost Calm.
 Blue sky visible through thin films of Ci-st + Ci all over atmospheric class.
 Minimum Ther. 4 PM - 10 PM +14°. Shortly after 4.0 PM Sky
 became overcast starting at SW - Breeze freshened to 5 about
 7 PM - 10 PM Dark Ci-st over Int: 5 SW. Pk of M^o Discovery
 obscured by St. - The only lower cloud visible.
 2.30 PM Breeze increased to force 5 with light surface
 drift which ceased about 3.30. Clouds almost stationary
 very dark to SW and West. Wind Partly visible in sky.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
10 th	8 AM	169° 4'	78° 36'	29.45	13.3	Sw 1.5	S 3	OC	9	9	a-st	St
11 th	10 PM	do	do	29.38	14.5	West	2	OC	9	9	a-st	Stky.
11 th	3.15 PM	do	do	29.35	15	Sw 3	4	CB	8	8	a-st	-
do	3 PM	78° 47'	169° 13'	29.32	12.2	Sw 3	3	CB	7	7	a-st	SE (Stky)
do	6.12 PM	do	do	29.30	11.0	Sw 3	3	OC	4	4	a-st	Stationary
do	Midnight	do	do	29.30	9.0	Sw 2	2	OC	10	10	a-st	do
12 th	3.30 PM	do	do	29.27	7.5	Sw 2	2	OC	9	9	a-st	do

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

Atmosphere clear. Clouds almost stationary.
9.20 AM - Breeze shifted to West force 2. General brightening
up of sky in afternoon.
Minimum 8 AM to 10 PM +14.5°. Slight haze over West Mts.
Arc of blue sky to SE slowly rising. Sun cleared edge of
a-st cloud at 2.45 AM. Breeze from SSW about midnight with
slight fine drizzle along Sastangi just perceptible.
Sun drops in before bright sunshines. Then considerable drift from SSW.
4.30 PM a-st moving slowly from NW - 7.30 Sky became overcast
4.30 PM to midnight minimum 7.7° +
Breeze steady. Vivid barometer visible from mid. of land at 4 AM.
3.30 AM - Appearance of snow on W. Dist mts to W.
and Ross Id obscured by st. -

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
12 th II	3 AM	78° 57'	165° 13'	29.30	Swbs	9.5	SW	4	bc	7	ci-st	SW
12 th II	Midnight	do	do	29.41	do	5.0	Swbs	5	cb	5	ci	SE
13 th	11 AM	78° 63'	165° 17'	29.50	do	12.5	Swbs	6	OS	10	St	SW
13 th II	Midnight	do	do	29.51	do	+3.8	Swbs	2	bc	5	ci-st	
13 th II	13 AM	do	do	29.53	do	-5	Swbs	2	bc	4	ci-st	
14 th	10 AM	79° 13'	165° 20'	29.58	Swbs	+3.2	Swbs	1	bc	2	ci-st	

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

Noon. Sky became overcast from SE. with St & a-SI. Appearance of snow
 4 pm Heavy drifts along surface of barrier clearing at 6.30 pm.
 Midnt. - Swbs rising fast. Sky overcast & partially clear at intervals.
 8 am. Snow & heavy drifts commenced again 6 am &
 increased to density of J₃ at 7.30 AM. Wind increasing in force
 Noon. Sun visible through snow & a-st. Thick heavy
 drift from SW BS. Breeze steady - 6 pm weather moderated
 & sun subsided was falling to 4 & sky clearing to SE.
 & SW. Leaving ci-st & a-st. 10 pm Light breeze (2) very
 slight surface drift occasionally seen during strong gusts
 4 am until 1 am when atmosphere cleared & temperature fell considerably
 10.30 AM. Breeze over land with slight haze over hills to NW & W.

OBSERVER'S DAY.	HOUR	POSITION.		Bar	Hygrometer	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
14 th <u>ii</u>	10pm	15° Camp.		29.57	Sw 33	-42	Caln	0	B. m	2	Ci-st	Stationary
15 th <u>ii</u>	5:15 AM			29.60	"	-15.8	NNW	1	B	2	Ci-st	
do	10:45 AM	14° 1'	79° 21' 169° 20'	29.60	SW	-9°	N ⁴	1	Bc	4	Ci-st	
do	8.0 PM	do		29.61	"	-5°	SW ⁷	1	B	1	Ci-st	SW ⁷
do	Midnight	do		29.61	"	-10°	Caln	0	B	2	Ci-st	
15 th <u>ii</u>	4.0 AM	do		60	"	-15.8	SW	3	Bc	3	Ci-st	
do	10:30 PM	15° Camp.		29.61	"	-1.0	SW	4	B m	2	Ci-st	Stationary

BRITISH ANTARCTIC EXPEDITION, 1910.										OBSERVER'S INITIALS.	
REMARKS.											
10.30 AM - 10 PM Minimum - 4.2°											
Occasional Lt. S ² Biss. Very slight haze over land.											
4.0 AM Temp - 17°. Breeze only just perceptible.											
Clouds about Stationary. Ci to SW and SW dispersed at 7 AM. 8 AM. Much mirage on surface of Barriers.											
10.15 Day. 6-st spread over northern part of Sky apparently from SE.											
8 PM. Sunshine almost continuous all day - Sky clear.											
Mid ⁿ . East wind definitely SW. Much mirage.											
3 AM. Objects (Cairns) over 10 miles distant visible in mirage.											
{ Breeze springing up from SW. Clear atmosphere.											
Ci-st moving from SE ⁴ direction.											
10.30. Slight drift with SW breeze. Very slight haze over land.											
Norr. Considerable drift until breeze fell about 4 PM											
to 4 PM											

DAY.	HOUR	POSITION.		Bar -17	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
16 th 11	1045 ³⁰	82° 10'		29.46	Subs	+7.2	SSW	3	OS	10	St	-	Sw ²
17 th 6	845	do					S	4	OS	10	St	-	-
17 th 11	1100	16° 10' 79° 29'		29.30		+3.7	SW	3	CB	8	St		
do	10 ³⁰	do		29.21		-7.2	S	2	bc	5	St		
18 th 11	11045	14° 10' 79° 17'	169° 22'	29.59	Subs	-11.1	SSW	4	CSf	7	St	SE	Sw ²

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Snow in thin drift from time to time.

3rd Heavy drift from Sd. continuously from midst till 4 am.

4 am. Particulate visible in horizon through St.

8 am. Less drift. Wind from SSE until 6 am when changed to SSW.

falling light & sky clearing slightly. then almost clear.

4 pm. Last fine visible. Int. Observed. dull with Lt S^o air.

Minimum between 10 am & 10 pm - 8.8

Midnight - 14°. *Left Spare Minimum Thermometer on

Vivid Particulate. {Depth in 13° 30' S. Last reading - 14° 7

2 am Drift gone & heavy mist from 3. Stage 3. Some visible.

3 am to 9 am. Sky overcast. Some obscured with heavy Snow fog. then

drift on Barco's surface - heavy Sd 4. light very uncertain.

11 am - Drift thin - some visible obscured. also blue sky with detached Ci.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
18	11	1st Rel Camp		-17	Sigsbee							
18	11	5:30 Pm			Subs	Sw	2	bc	b	ci-st	ap	SE
do	10	Pm		29.37		3.3		1	CO	8	ci-st	SE
19	10	8:00	2nd Rel Camp	29.42		8.1	Subs	3	cf	8	ci-st	SE
do	13:00	79° 06' 169° 21'		29.41		Zero	Subs	2	0.	10	a-st	
19	11	9:45 Pm		29.45		11.2	Sw	1	bc	7	ci-st	SE
20	11	8:15	3rd Rel Camp	29.34		8.8	Cal	0	0.5	10	st	SE
		79° 29' 169° 22'				-1.2						
		78° 57' 169° 16'										
		Bluff Camp										

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

5:30 pm Bluff just visible. Current with clouds. Part of W snow all obscured by S. misty appearance over land -

10 pm. Fine clear. Under 1 - minimum 11.4 to 10 pm -10.8

ci and ci-st. V. N. 2W - S. 6E

7. with low st moving up rapidly from S. to S.

a-st apparently from E. to S. E. direction covering sky. Weather fine

Breeze light. Bluff covered with cloud but points at base of hills just visible.

10 pm. Breeze hardly perceptible at times. St. over land. Mid. 1st St and a-st. moving over slowly from S. to S.

1 am. Mt. Erebus just visible. dark clouds to S. W. Semi Partly clear

8 am. Sky overcast. Calm. Fine snow falling.

2 pm. Sky cleared over land with 8.6 breeze - Heavy clouds over land. Bluff obscured 5 pm. Breeze 8.4 & light

minimum 8.6 to 5 pm - 6.3

DAY.	HOUR	POSITION.		Bar	Hyps-omet-er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower

20	11	7.30 Pm	73° 40' S	169° 10' W	29.35	5.5	2.1	SE	3	O.C.m.	10	St-		
"		10.0 Pm	"	"	29.34	"	5.3	SE	2	O.S.	8	21-	SSW	SSW
21	11	10.30 Pm	4° Ret. Camb.	78° 40' 169° 10'	29.32	"	4.5	SE	5	O.S.	10	St-		SSW
"		3. Pm	"	"	29.32	"	7.2	Cal	0	B.	1	St		
"		11 Pm	"	"	29.25	"	5.1	NW	2	B.	1	St		

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S INITIALS.

REMARKS.

4 Pm. Breeze from SE. 4. Gradually clearing S.S. by 8 Pm.

8 Pm. Breeze falling & light air. General sunny appearance.

10 Pm. All land obscured by heavy fog. Light breeze with little sun falling. A. 9. 1/2 from SSW overclouding sky. 1.5. 1/2. Breeze from SSW from 4 with sun & heavy drizzle. 4 am. Wind force 5. with S. Snowing but only with occasional patches of clear sky when sun was visible for short intervals.

11. am - Breeze falling & less drift. B. overhead. St. moving less rapidly from SSW.

12. Pm. Lt air from NW. Fine & clear.

11. am Atmosphere & sky clear. Mt. & W. would be very remarkably clear in addition to Mt. of Horashi range beyond Bluff.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
22	11.0			.17									
					800 fms.								
	11.0	5° 10' N	169° 11' W	29.40		3.5 W	4.1	5.5 W	4.5	1	li-st		
	8.30 PM			29.45		5.5 W	4.2	5.5	1	bc	4	St	5.5 W 5.5 W
23	11.0	5° 12' N	169° 59' W	29.54		5.5 W	4.0	5.5 E	3	0.5	10	St	Sd
	8 PM			29.65		5.5 W	0.2	5.5 W	1	0.1	10	St	Sd

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Midst Wind came away from SSW force 2.
 During much of the day change in direction of Sooty to SSW & light drift at times from midst 5 to 6 am. Breeze 2 to 4.
 A. St. moving up from SSW in small quantities.
 Warm. Sky & atmosphere clear. Clouds apparently stationary.
 8 pm. Almost calm. St. over White Id & Lickens.
 with appearance of snow & westward. Clouds moving slowly.
 Sky clear until 1.30 pm when A. St. spread over from Sd followed by St from SSW to SSW 6.5. 5.30 pm Bluff of White Id. obscured by St. & snow.
 1.0 pm Bar 29.63. Minimum 8 am to 8 pm - 3.8°
 7.15 pm Light snow without drift falling. 10 am. Lt S. breeze with little S.
 Land to W. ward is Ross Id. appeared during remainder of day with SSW breeze force 2 or occasional light S. breeze. Sky heavily overcast with St. 8 pm Almost calm.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
24 <u>11</u> 1911	6:00 AM	7 th Ret Camp 78° 0	168 40	29.61	Sashbury	Sw 20	5 ⁴	1	o.f ₃	10	St	Se
"	8:00 AM	70		29.62	"	0.8 Sw	2	C.b.f	7	St	Se ⁷	Sw
"	1:0 PM	70		29.61	"	1.2 Sw	3	C.b.f	5	St	Se ⁷	Sw
"	8:00 PM	70		29.56	"	4.7 Sw	4	O.C.f	5.10	St	Se	Sw
25 <u>11</u> "	8:00 AM	8 th Ret Camp 77° 57	167 45	29.53	"	3.8 SSW	2	Chm	8	St	NE	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Midnd - White Id. only just visible a part of Mt. Turner. Fog & Snow showing obscuring all land. 1 am - Everything obscured by dense Snowy fog - No perceptible breeze. 3-15 am. Light S⁴ Air. 5 am. Sun showing through fog with C. overhead. 8 am. Peaks on Ross Id. clear. St. moving rapidly from S.W. Much C. overhead. Rem^d of land obscured by thick fog. 1:0 PM. S⁴ Breeze freshening. All land still under fog except peaks on Ross Id. Atmosphere clear on Barrier & S.E. 8 pm. Snow in fine drift from time to time. Heavy clouds moving rapidly from NE during night. 5:30 AM. Clouds & mist from NE. Ross Id. obscured. 10:0 AM. Lower slopes on Ross Id. just visible. General unsettled appearance of weather. Minimum 5 am till 3 pm - 2" appearance of weather.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
25 th	4 pm	8° Ret Camp		29.52	S	+ 3.5	Cal. 05	1	bc.	6	ci-st	-
	9.30 pm	Safe Camp	77° 54' 167° 17'	-	-	-	Dr. 2	2	cl.	9	anc	-
26 th												
27 th	8 am	Safe Camp										

During night wind Squally to force with same force & increased

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

4 pm Heavy Snow passing to SW and W from Nth direction.
6 pm. Barren Surface covered with fine Snow - about 2" deep and lying entirely unaffected by wind.

26th Blizzard commenced with light drift snow & strong breeze from NE. The wind at camp being E^{SE} probably turned by the coast of Ross Island.
In afternoon snow increased & wind to force of the weather being increased & snow entirely obscured.
8. About 4 am it changed direction to SE blowing drift. Nova Conditions unchanged.

AdS

BRITISH ANTARCTIC EXPEDITION, 1910.

DAY, HOUR, POSITION, Bar, Hyps-omet-er, Dry Bulb, Wind Dir. True, Wind Force, Weather, CLOUD, Amount, Kind, Direction from upper, lower

27th 10 2.0 pm Safety Camp 29.31 +0 4.0 SE 7 0.5 10 St

27th 8 pm 29.35 +1° 8 9 8 0.5 10 St

1st 10 0.5 am On Sea Ice 77° 55' 166° 20' E 2 0.9 m 10 Cu St-Cu

2nd During night large pieces of Barrier Edge broke away seawards. The heaves are on Southern Barrier edge unsettled & wind blowing towards the open.

3rd 4th & 5th Weather fine with E. Breeze & temperature high & mostly with frost some over from

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S INITIALS.

REMARKS.

2.0 pm Heavy driving snow & drift. Everything obscured at distance of few yards. Sun not visible in forenoon. 8 pm Conditions as before.

28th Wind abated about 2 am. falling to force 4 with very light drift by 8 am. Sky cleared & general improvement.

1st 10. About 3 am. Heavy snow from seaward broke up. All sea ice in bay to lower edge. Small embankment about 5 pm. While the bulk of loose ice in Strait went out to driven close up to Barrier by light NE' breeze. Weather water with much frost. Some ice water. on barrier varying from 1 in to - 8°. Clear without water, weather which was thus continuously from E.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
9 th	7 ^h 11 ^m	77° 58' 16"	166° 30'	28.69		8.2	E ⁴	2	cbm	8	Ci-s	3d.
	11 ^h 30 ^m	77° 54' 16"	167° 5'				E ⁴	2	bc	5	as	
	9 ^h 10 ^m	77° 50' 16"	167° 0'			5.0	Calm	0	bc	3	Ci-s	
10 th	7 ^h 50 ^m	do	do				E ⁴	2	bc	4	Ci-s	
	2 ^h 00 ^m	Saddle Camp						3	bc	4	as	
	8 ^h 10 ^m	77° 50' 16"	166° 58'				E ⁴	2	bc	6	St	

11^h to 10^h incline the observation
of a reliable nature recorded
H.B.B.

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

First Smoke on bay.

1.00 pm Fine & clear. Much mirage on Barrier Surface.

Sunset. Sky cleared & breeze fell to Calm.

Atmosphere Clear.

During night Slight Snowfall.

7.30 am. First Smoke on Strait. Clear on Barrier.

2.00 pm During forenoon Slight drift at intervals on upper slopes.

8.00 pm Breeze freshening. Much mist on Strait.

probably result of first Smoke.

BRITISH ANTARCTIC EXPEDITION, 1910.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower

16 ⁱⁿ 11 6.00 AM Part P
 7.30 PM 2nd E.A. Camp 28.25 - 7° Calm 0 6 1 St - Staty
 77 54 167 10

17 ⁱⁿ 11 6.00 AM --- 28.39 8.2 35E 4 665 7 a-st }
 8.0 PM 2nd E.A. Camp 28.50 - Calm 0 6 5 a-st }
 77 56 168 0 19.0 34 1 60m 6 st 50

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

6.00 PM Fine - Clear.
 During day breeze remained at force 2
 until about 2 PM - after which fell to Calm. Sky clear.
 8.0 PM. Breeze from NW increasing rapidly to force
 4 with drift (slight) Sky clear to NW & W. a-st
 to SE & E.
 8.0 PM to 6.30 AM - Minimum - 14.2 During night
 wind shifted to SSE with more drift force 5.
 8.0 AM. Breeze falling light. drift ceased.
 Noon. Clear. Clouds moving up from SE. All
 on Thyrup Mt & Land visible.
 8 PM - Very hazy. Air 14.0. Ice under 10. overhead.
 Temp 9.15 PM - 22.0

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
March 1911												
20	5.30 AM	78° 15'	168° 45'	28.75		57	Calm	0	bc m. 6	100	St	Stationary
"	2.0 PM	Corner Camp		28.65		17.2 W			bc m. 8	100	St	
		78° 3' 168° 59'										
	7.15 PM	1st Asst Camp		28.62		3.1 S	SE	3	0.5 f 10	St		
		78° 0' 168° 30'										
21	10.0 AM	"		28.50		2.2 S	SE	4	0.5 f 10	St		

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.	OBSERVER'S INITIALS.
Minimum 8 PM to 6 AM - 42.4°	
2.0 PM Much Mirage from Seaside till 4 PM	
2.0 PM Light W 7 breeze shifting slowly into WSW - SW.	
4.0 PM Breeze SW with light drift.	
7.15 PM fog & drift. Breeze shifts suddenly to SSE.	
7.15 PM to 10 AM Minimum - - - 15.1	
During night breeze fell very light with heavy soft flake snow.	
8.0 AM Thick snow obscuring all landmarks on horizon of 1st Asst Camp. Snow mist very thick.	
Light breeze. 10.0 PM Breeze & drift from SSE. Clouds moving rapidly overhead.	

DAY.

HOUR

POSITION.

Lat.

Long.

Bar

Hyps-
omet-
erDry
BulbWind
Dir.
TrueWind
Force

Weather

CLOUD.

Amount

Kind

Direction from
upper lower

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

21	10:30	20 By 8 th Red Camp	28.70	+	5.0	SE	2	O.m.	10	St.	3 ^h	
		76° 0' 168 30										
	12:30	2 nd Red -	28.72	-	3.0	Calm	0	O.f.	10	St.	Shading	
		79° 58' 168 5										
22	6:00		28.72	-	8.2	SE	1	bc.	4	St.	do	
		77° 50' 166 55										
23	3:00	By Prom Pt Ridge	28.72	-	5.0	E	2	O.m.	9	St.	Shd.	

Minimum - 14.1°
 2.0 pm Breeze fell. very slight drizzle. White Id. and
 lower slopes of Ross Id. visible. fog dispersed.
 10.50 pm. overcast with slight fog in parts. Castle Rock visible.
 10.30 pm to 6.00 by Minimum - 11.1°
 During night Calm for most part with clear
 atmosphere after midnight.
 6.0 am. Fair & clear
 Much mirage from sunrise till 3 pm -
 3.1 pm. St. on St. Spread over. Light E. breeze.
 & low drizzle. Atmosphere clear.
 During night - Minimum - 14.8°
 with patches of camp & hollow between Ross Redges.

DAY.

HOUR

POSITION.

Lat. Long.

Bar

Hyps-
omet-
erDry
BulbWind
Dir.
TrueWind
Force

Weather

CLOUD.

Amount

Kind

Direction from
upper lower

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

23 III 11 8.0 pm Prem Ridge 28.67 - 102.60 0 bc 3 ci sl - XNW

77° 50' 166° 55'

at Hut Point
aneroid 759 read 29.82"
corrected 29.13"
at Prem Point
aneroid 755 read 28.72"
corrected 28.41"
9.3.

Norm Crater Heights . . . E. 4 3 bc b 3 sl -

23 III 10 pm Hut Pt. Calm 0 bc 5 ci sl Still.

9.0 pm to 8 pm. Minimum -14.8°

22 III About 10 pm heavy sh worked over from
NE obscuring stars in W. & SW Quadrants
This cloud moved at a low level obscuring
Summit of Castle Rock and moving
very slowly.

23 III 2.0 pm. Calm. B.C. Clouds Stationary

Norm. Brage Steady since 10 pm.

Indications of considerable more rain

Ice having gone out during past week.

10 pm to 10 am on 24°. Minimum +5.5° at Hut Pt

BRITISH ANTARCTIC EXPEDITION, 1910.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower

24	III	11	10.00	Ant Pt.	28.74	-	18.1	Calm	0	O.S.	10	St	-
			2.00	"	28.71	-	15.8	SE	3	O.S.	10	St	-
			9.30	"	28.75	-	16.2	ESE	2	cb. m.	8	a-st	3 ^d
25	IV		7.15	"	28.84	-	8.2	ESE	3	bc	3	St	3 ^d
			2.00	"	28.9	-	12.1	ESE	1	bc	4	St	S.
			7.15	"	28.88	-	11.8	E	1	bc	3	a-st	Slack

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

10.0 Steady falling Snow in fairly large flakes.

2.0 Breeze freshening

9.30 St. moving very slowly, b. overhead & W. wind.

10.30 pm to 7.15 am Minimum + 7.5°

10.0 am Considerable drift. Breeze freshening from ENE

N. part of pack just visible in clear sky

St. moving mod. from St.

2.0 pm. Fine clear.

7.15 pm. Frost smoke on water to St. Ice in Strait practically stationary

Minimum 7.15 PM to 9 AM + 4.2°

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
26 th " "	9.0 AM	Ant. Pt.		28.90	-	+ 6.4	ESE	2	bc	3	Ci-st	
	Noon	do		28.90	-	+ 4.8	ESE	4	bc s.	4	Ci-st sr	
	7.0 PM	do		28.95	-	+ 13.5	SE	2	bc	3	a-sb sr	
27 th " "	9.0 AM	do		28.89		+ 3.9	ESE	3	bc	4	Ci-st	Y ESE
	1.20	do		28.85		2.0	E	4	bc s	5	Ci-st a-sr	
	7.0 PM	do		28.86		2.5	E	2	bc	3	sr	sr

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

9.0 AM Frost on the ice.

11.0 AM Breeze increased with low drift. (from 4)

2.0 PM Drift ceased - Breeze fell to 2. 5 PM. Fine & Clear.

During greater part of night Calm - Atmosphere Clear.

7.0 PM to 9.0 AM Minimum + 2.0°

9.0 PM. Very slight drift at intervals.

1.20. Considerable drift. Breeze freshening.

5 PM. Simultaneous temperatures: Surface Air + 1° }
Superficial Sea Air - 2.2° }

5.30 PM. Temp in Gap (Clear of wind) Zero

7.0 Breeze freshening - Sky Clear.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
28 TH "	9.30 AM	Head Pt.		28.90	-	2.2	E by S	3	b.c.s	4	Cst	SSW.
	1.15 PM	do		-	-	3.0	E by S	4	b.c.s	6	St	
	9.20 PM	do		28.97	-	0.8	E ^{ly}	1	b.c.	7	St	
29 TH "	9.0 AM	do		28.99	-	2.2	Calm	0	cb	8	St	
	1.3 PM	do		29.00	-	3.1	Calm	0	0	10	St	Stationary.
	7.0 PM	do		29.10	-	12.8	SE	3	0	10	St.	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

7.0 PM E 3.30 Top Minimum - 4.1

2.0 PM Lm S^{ly} Breeze backing later to ESE with drift.

10.0 AM Breeze freshening. Clouds moving slowly from SSE.

1.15 PM Fresh breeze with much drift over heights.

9.20 PM. Almost calm. Clouds stationary.

9.20 PM 4 9.0 PM Minimum - 5.0

9.0 Occasional light N.E. air.

Forenoon. L. clear sky over Barrier to SE.

Atmosphere clear. Weather fine & dull.

4 PM Light breeze came away from SSE on Arrived Heights

7.0 PM. Fine & clear atmosphere. Breeze freshening

Mockard-look formation in C. St. to wind.

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DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
30	11	7.25	by Dub R	29.01		+2.9	E	5	OC	9	St	
"	1.45	by	do			+2.1	E	5	bc	6	Ci-st	NE & SW
"	7.0	by	do	28.95		+0.5	E	3	bc	5	Ci-st	
31	11	9.15	by	28.88		0	SE	2 1/2	bc	4	Ci-st	NE
	1.30	by	do	28.88		+1.4	ESE	4	bc	6	Ci-st	E
	7.30	by	A	28.89		+2.0	E	2	bc	8	Ci-st	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

7.5 pm 3.75 by Thermometer +2°
 7.3. 9.5 by S² - overcast. Heavy St to N² - & NEward.
 1. pm - Large amount of Ci. Large prismatic halo over
 Sun with fringe of short white rays outside circle caused
 apparently by background of Cirrus Clouds. Slight drift.
 5.20 pm Fine & clear - no drift. 6 to 5.1 - SW.
 9.0 AM. Clear atmosphere - Large amount of Ci.
 1.0 pm - Long streaks of Ci & Ci-st across sky ending
 slowly from Eward. Also Ci & SE. Breeze steady
 Clear sky over Mt. BW. & on S & SE horizon.
 7.30 pm St. over Barrin to St. Ci-st to Wward.
 Clear atmosphere. 7.30 pm 5.7.30 by Thermometer - 1.5°

BRITISH ANTARCTIC EXPEDITION, 1910.

DAY.	HOUR	POSITION.		Bar	Hyps-ometer	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower

1 IV	11	72° 45' S	175° 15' E	28.90		+3.0	E	4	OC.	9	CS	
	12	72° 45' S	175° 15' E	28.90		+4.0	NE	2	BC	7	St	
	1	72° 45' S	175° 15' E	28.90		+5.1	NE	2	BC	3	CS	SE. cum
2 IV	11	72° 45' S	175° 15' E	28.84		+2.2	E	3	BC	5	St	SE. cum

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S INITIALS.

10.0 AM. Breeze falling. Sun visible at intervals.
 Noon. Breeze away from SE. Atmosphere clear.
 4.50 PM Sea level + 4.2 } 4.2
 5.35 PM Top obs. hill (500 ft) + 2.8 } 2.8
 6.20 PM Sea level + 6.0 } 6.0
 8.0 PM. After sunset sky cleared. Clearing finally
 a small quantity of St. moving slowly from NW.
 8.0 PM to 9.0 PM Minimum - 5° (about)
 During night between the hours of midnight and 3.30 AM
 Aurora Australis appeared on southern arc of sky. first seen in
 arc 45° high & later within 10° (about) of zenith lying from roughly
 NNE to SSW. In all cases with a parallel fainter ray to N.
 9.0 AM Clouds moving mod. atmosphere clear.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
2 <u>IV</u> "	1.50 PM	West Pt		28.94		* 7.2	E 10	3	bc	6	St. Cu	NE
"	7.0 pm	do		28.96		7.3	SE	5	bc	5	St	E
3 <u>IV</u> "	9.0 pm	do		28.96		9.1	SE	4	O. m	10	St	
	11.30 PM	do		28.95		8.8	SE	4	O.	10	St	
	7.0 PM	do		28.90		11.4	E 6 S	4	O. f	10	St	
4 <u>IV</u> "	9.0 PM	do		28.			E 6 S	4	O. f	10	St	
	2.0 PM	do		28.		10.7	ESE	4	O. f	10	St	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

3.0 pm E 2 breeze fresh. Sun shining to SE.
First snow on open water patches

Minimum 7.0 pm to 9.0 PM. - 10.4°

9.0 PM Slight breeze out. Int. to S. & W.

Nov. Sun & Day. Western hills visible only at base.

7.0 pm - Snowy fog & then mist. Opp. side of Strait just visible.

9.0 PM till 3.30 pm Drifting snow & drift from
Eastward. Steady breeze & uniform snowfall. HRS

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
4 th	8.0 pm	Hut Pt		28.73	-	8.5° E	3	0f	10 St				
5 th	9.0 pm	do		28.71	-	12.8° E	2	bc	6 St				
									(Noon Irregular cloudy (Cir) above Sun)				
	3.0 pm	do		28.76	-	13° Calm	0	bc	2 Cl				
	6.3. pm	do		28.79	-	14.2° NE	1	bc	3 Cl				
	3.0 pm						NNE	4	bc				
6 th	7.0 pm	do		28.72	-	2.1° NNE	3	bc	4 Cl				
	2.0 pm	do		28.67	-	7° N	3/4	bc	6 St				

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.	OBSERVER'S INITIALS.
8.0 pm. Dark Sky to W. Thin fog. Brize falling.	
Minimum 8 pm to 13.0 day -15.2°	
8.0 day. Fine & clear. Partial Aurora seen during night	
Noon. Atmosphere very clear. Calm & very light var. airs.	
3.0 pm. Faint partial Perfection. Snow Crystals falling	
6.30 pm. During afternoon Sky practically clear. Much	
mirage to W. at Sunset. Calm	
During night Aurora Australis in long beams N & S through	
Zenith - Minimum 7 pm to 9 day -18°	
10.0 pm. Wind falling light	
Noon. Perfection. Brilliant arcs on each side of Sun.	
2.0 pm. Slight drift over heights. Steady N & Brize	
Clouds moving on over	

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
6 th 11	80pm	61° 14' N	14° 17' W	28.56		0.5	N	3 ¹ / ₄	1	St			
7 th 11	90pm	do	do	28.56		1°	NW	2	CM	8	St		3 ¹ / ₄
	120pm	do	do	28.54		Zero	NW	1	bc	1	St		3 ¹ / ₄
	70pm	do	do	28.55		+ 38°	N	1	DM. 10	10	St		S

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

80pm Banks of St. lying low on Southern Horizon. Sky
Clear - Breeze steady in force & direction.

8pm 5 2.0 of Minimum. - 4°.

9.00pm. During night sky became overcast. Breeze fell to
Calm & St. air. After sunrise bank of drift to S.

Observed Bluff & Immense of Peaks.

Norm. to NW & breeze on Heights. Slight perturbation visible

In short time. Clouds almost stationary.

4.0 pm Sky becomes overcast 7.0 pm Misty St. from "

St. - Calm and smooth St. air. 8.0 pm. Slight Snowfall

out land to S & SE obscured by Snowy mist. Temp + 5°

9.0 pm. Fresh & Shiny. St. breeze with snow.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
April 1911													
8 II 10	8.00	Lat. 28				+4°	S	5	OSf	31	10		
"													
	11.00	do		28.90		Zero	S	4	OSf	10	31		
	7.00 pm	do		28.90		+7°	S	3 ⁵ ₄	Of	10	31		
9 IV 10	7.00	do				+4°	SSW	3	O.C.	10	C. St		
"													
	10.00	do		28.91		+5.2	SE	2	Cb	7	C. St	S	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

During night Brage 5 to 6 - with snow & drift accompanied by heavy snow mist & fog.
 Forenoon - Brage took off but considerable drift continued.
 3 pm. Occasional temporary breaks in sky to 5 ft
 Snow ceased & brage fell to 3. Thick mist off shore.
 7.00 pm. Current & drift with base of hills to 5 ft & westward occasionally visible. Snow & drift at intervals.
 Minimum 7.00 pm to 7.00 pm by +1.5°
 During night Aurora seen (white) in double ray at zenith extending over half the sky. (Cartain form)
 10.17. L. visible to S. overhead. Int. to 5 ft & wind clear of S. General improvement
 M.B.

BRITISH ANTARCTIC EXPEDITION, 1910.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower

April 1911

9 th	1.45 pm	Lat. 74° 15' S	Long. 158° 30' W	28.90		2.7	SE	3	CBs	6	St	
	4.0 pm	do	do			2.8	SE	3	CBs	8	St	30%
	8.30 pm	do	do	28.86		2.8	SE	3	CBs	7	St	
10 th	7.40 pm	do	do	28.85		2.9	ESE	2	ofs	10	St	
	3.0 pm	do	do	28.81		5.8	ESE	3	ofs	10	St	
	7.30 pm	do	do	28.75		5.1	ESE	1	CBs	8	St	

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.	OBSERVER'S INITIALS.
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Norm. Partial fatholm just visible.

1.45 pm Sky clear S W. snow. Summit on Ross I.

4.0 pm Sky S. Cloud with St. b. overcast. Considerable drift.

4.0 pm Wind increased to 6 with heavy drift for 2 hours. b. visible overcast at all times.

9.0 pm. Fine & clear in immediate neighbourhood. Snow & St. obscuring mt. partially in SW & NW.

Minimum 8.30 pm 7.40 pm -3.8°

8.0 am Steady falling fine snow with light breeze. Everything but nearest hills obscured.

3.30 pm. Light breeze. Steady light snowfall & sunny fog all day.

7.30 pm. Sky cleared on NW horizon at 4 pm. Snow cleared. Fine with radius of 15 miles. Snow to E. S & S.W.

DAY.

HOUR

POSITION.

Lat.

Long.

Bar

Hyps-
omet-
er

Dry
Bulb

Wind
Dir.
True

Wind
Force

Weather

CLOUD.

Amount

Kind

Direction from
upper lower

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.



