

Observer H. Bowers.
July 1911

27th JUNE - 1st AUG 1911.

BAE 19

Cape Crozier
Journey.

C.C.

no - 61.6
28.96

Cape Crozier
27 VII 1911
Journey to VIII 11
J. R. Bowser

Outward

1 st Camp - 9 ³ / ₄ miles - off Castle Pt	
2 nd Lunch Hat Pt	
2 nd 2 nd Camp - On Barrie edge	17'
2 nd Lunch 19 ¹ / ₂ ' Barrie	
2 nd 3 rd Camp 21 ¹ / ₂ '	
3 rd Lunch 23 ¹ / ₂ ' Relay	"
3 rd 4 th Camp 24 ³ / ₄ '	"
3 rd Lunch 25 ¹ / ₂ '	"
3 rd 5 th Camp 27	"
3 rd Lunch 28 ¹ / ₂ '	"
3 rd 6 th Camp 29 ¹ / ₂ '	"
3 rd Lunch 31	"
3 rd 7 th Camp 32	"
3 rd do Bliz	"

Outward

5 th VII Lunch	32 ³ / ₄	Barrie
8 th Camp	33 ¹ / ₂	"
6 th VII Lunch	34	"
9 th Camp	35	"
7 th VII Lunch	35 ³ / ₄	"
10 th Camp	36 ² / ₃	"
8 th VII Lunch	37 ³ / ₄	"
8 th VII 11 th Camp -	38 ³ / ₄	"
9 th VII Lunch	39 ³ / ₄	Both
12 th Camp	40 ¹ / ₂	Stop Point
10 th VII Bliz		Turn Pt
11 th VII Bliz		
12 th VII Bliz		

Outward

13 th VII Lunch	44 ² / ₃
13 th Camp	48
14 th VII Lunch	50 ³ / ₄
14 th Camp	53 ¹ / ₃
15 th VII Lunch	55
15 th Camp	56 ¹ / ₄
Home	
25 th VII 1 st Red Camp	³ / ₄ (Bliz)
26 th VII 2 nd "	4 ¹ / ₂ (Pier Ridge)
27 th VII Lunch	9 ¹ / ₂ (M. ridge)
27 th 3 rd "	11 ³ / ₄ (am. bridge)
28 th VII Lunch	15 ³ / ₄

Home

28 th VII 4 th Red Camp	18 ¹ / ₂
29 th VII Lunch	22
5 th Red Camp	25 ¹ / ₈
30 th VII Lunch	29
5 th Red Camp	32 ¹ / ₂
31 st { Lunch	38
Barrie edge	
Hat Point -	41
1 st Lunch	
End of Glacier Trench	49
C. Pass	4 ¹ / ₃

BRITISH AND FOREIGN EXHIBITION 1884
INSTRUMENTS IN USE AND USE OF INSTRUMENTS

METEOROLOGICAL OBSERVATIONS

DATE TAKEN 1884
PLACE OF OBSERVATION
1911

During 18
BY
Position of Station
Height of Barometer
Cistern above Mean Sea Level

BRITISH ANTARCTIC EXPEDITION, 1910.

METEOROLOGICAL OBSERVATIONS

TAKEN ~~AT~~ on

Expedition to Cape Crozier June & July 1911

During 19

By

Position of Station: Lat. _____ Long. _____

Height of Barometer Cistern above Mean Sea Level _____ feet.

INSTRUMENTS IN USE, AND THEIR CORRECTIONS.

BAROMETER, No. *752* COMPARED WITH STANDARD at *22nd July* in 1911 *S.C.*






Correction required	28.80	28.60	27.00	26.00	25.00	
	<i>-0.02</i>	<i>+0.06</i>	<i>-0.02</i>	<i>-0.05</i>	<i>-0.11</i>	<i>} applied -0.07 throughout</i>

THERMOMETERS

									Correction applied
Dry Bulb, No. <i>91 Insuling II</i>	<i>-77</i>	<i>-50</i>	<i>-32</i>	<i>-10</i>	<i>+10</i>	<i>+32</i>	<i>>20</i>	<i>-1.0</i>	
Max in Shade, No. <i>95 Mare</i>	<i>+1.0</i>	<i>+0.5</i>	<i>+0.5</i>	<i>0.0</i>	<i>-0.5</i>	<i>-1.0</i>	<i>20 - 0</i>	<i>-0.5</i>	
Min in Shade, No. <i>93 For depot</i>	<i>-75</i>	<i>-50</i>	<i>-25</i>	<i>-12</i>	<i>+14.0</i>	<i>+32</i>	<i>0 to -20</i>	<i>0.0</i>	
Max in Sun, No. _____	<i>+2.0</i>	<i>+1.5</i>	<i>+0.5</i>	<i>0.0</i>	<i>0.0</i>	<i>-0.5</i>	<i>-20 to -60</i>	<i>+0.5</i>	
Min. on Snow, No. <i>49 For crevasse</i>	<i>-75</i>	<i>-50</i>	<i>-25</i>	<i>-12</i>	<i>+14.0</i>	<i>+32</i>	<i><-60</i>	<i>+1.0</i>	
No. <i>52</i>	<i>-2.5</i>	<i>-1.5</i>	<i>-1.0</i>	<i>-1.0</i>	<i>-0.5</i>	<i>-0.5</i>			
No. <i>56</i>	<i>-70</i>	<i>-50</i>	<i>-30</i>	<i>-10</i>	<i>+10</i>	<i>32</i>			
	<i>+0.5</i>	<i>+0.5</i>	<i>-0.5</i>	<i>+0.5</i>	<i>-0.5</i>	<i>-0.5</i>			
	<i>-1.5</i>	<i>-0.5</i>	<i>-0.5</i>	<i>-0.5</i>	<i>-0.5</i>	<i>-0.5</i>			
	<i>0.0</i>	<i>+0.5</i>	<i>-0.5</i>	<i>0.0</i>	<i>-0.5</i>	<i>-0.5</i>			

S.C.

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	} Light Breeze.	2
2		5
3		10
4	} Moderate Breeze.	15
5		21
6		27
7	} Strong Wind.	35
8		42
9		50
10	} Storm forces	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.

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.

REMARKS.

OBSERVER'S
INITIALS.

DAY. 1911	HOUR	POSITION		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
27	9.30	1st Camp		29.50		15	ESE	5	B	0			
28	7.45	"		29.64		24.5	SW	1	bc	3	Ci-st		
"	1.30	2nd Camp		29.68		26.5	Var	1	bc	2	Ci-st	over	Ros T d
"	9.10	2nd Camp		29.62		47	Calm	0	B	2	Ci-st	on horizon	FE

Note - At 1.30 a barometer was lowered to sea level. Having been checked on 8 Jan.

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS. (Position of Camp given in Cover)

27.2
1.15 pm Off Glacier Tongue Temp - 14.5°
13 penguins came away from E - 354
4 pm Breeze ESE 3. Sky clear.
5 pm " ESE 5 - Clear sky - Erebus clear
During night clear sky - Breeze fell
28.1 About 3 am to Calm -
VI 7.30 AM Minimum from 9.30 pm - 26°.
8 AM Faint Aurora to S.E. alt 45° -
11 AM Aurora - Calm - faint to S.E.
Norr { Clear - blue sky. 4 pm Variable Breeze from all
Wind SSW force 0.5 to 1. Fine clear
9.10 pm Calm & clear - From 7.6 pm to 7.10 Bright Aurora - S
ESE 15. Calm from - alt about 15° 9.10 pm Temp - 44.5°

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
29 VI	9.01	2 nd Camp		29.54		49°	E ⁴	1	bc.	1	bc.		
	1.0 p	Lunch Camp		29.41		50°	E ⁴	15.2	b	-			
	7.30 p	3 rd Camp		29.		50.2	E ⁴	1	b	-			
30 VI	10.00	do		29.10		55°	Calms	0	b	-			

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

9.30 - 9.40 Minimum - 56' 50"
 Fine & clear No clouds over Ross Id.
 Aurora - fairly bright - center to N. all about 45°

2 p.m. Fine & clear - Barrier Surface
 very heavy owing to low temperature.
 4 p.m. 8.8 p.m. Aurora & center visible at all
 3.00 times over greater part of sky - chiefly to E.
 1.45 am Aurora - bright - 2 curtains in arch form
 extending from NE to S. Upper arc 50° & lower about 155°

Norm - During day light for relaying 3 sledges
 Footmarks visible in soft surface for 2 hours

DAY.	HOUR	POSITION.		Bar	Hyps-ometer	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
30 th 11	2pm	Lunch Ck		28.96		61.6	E	1 ¹⁵ 2	Bc	list 2		
	9:0pm	4th Ck		28.83		66	Cal	0	B			
1 VII 11	10:0pm	do		28.76		66.8	NE air	1	B			
	3:0pm	Lunch Ck		28.80			NE air	1	B			
	10pm			29.06		60.5	SE air	1	B			

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

C. St. Station 5 N - Remains clear
Barren Surface as long as Sand for Sledge runners

Ammonia Seen Continually during March

35th 5:1st Minimum - 69°

2pm Ammonia - Curtains form - fairly bright changing
Reflected to SSE alt. about 60°

5:30 P.M. Butcher's down from NNE to S. alt about

35° - Very varied - general curtains form also
later a well defined arch form with clearly defined
lower edge & S by N underneath appearing
intensely black

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>VII</u>	Am 10.30			29.36		60.4	Calm	0	b. c. S. 5			
"	4.0 p			29.40		60.5	ENE 1		b. c. S. 3			
"	2.15 p			29.41		65	Calm	0	b. c. S. 4			
3 <u>VII</u>	11. Am			29.32		52	Calm	0	b. c. S. 2			

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum night of 14.52 - 63.2
Breeze during night with slight drift.
3 Am - Wind SSE Force 3
Aurora HSE Centre faint - Bright -
Dr. Am. casting till 4 p.m. when banks of fog
formed & over much of peninsula rising about
30° to 40° - Later this dispersed to westward.
Peaks on Ross Is. - Clear -
Minimum - 65° (9.30 p.m. to 11 Am)
Non - Light ENE 4 air from slopes
of Terra - Clear fine weather
Barrier surface featureless without
Sustaining as heavy as sand

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
4 VI	9.30	44° 45' N	158° 10' W	29.12		27.5	NE	4	OS	10	SV	
									Weather very thick for march			
4 VI	9.30 pm	do	do	29.10		30	ENE	3	OS	10	SV	
5 VI	9.00 am	do	do	28.92		55	NE	2	CB	7	SV	
6 VI	2 pm	Lined				57.5	N	1	CB	8	SV	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

3-7 4-7
Minimum -65.4°
Overcast all day with steadily falling
Snow. Wind 3 to 4 with occasional gusts
from ENE to SE & large for 3513.
Minimum for day 9.30 am to 9.30 pm - 44.5°
do for night 9.30 pm to 9.0 am - 54.6°
9 am Sky clear haze over the slopes of the
Sp Aurora on E horizon
6 pm Fog bank worked over lower slopes of
Tide

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

5 vii 9.15 p.m. 2nd day 28.75 - 60.9 Calm 0 bf Sk 7

6 vii 2.30 p.m. 28.65 - 70.2 Calm 0 b -
(checked)

6 vii Nrm 28.66 - 76.8 Calm 0 b m Sk 2

6 vii 5.15 p.m. lunch 28.66 - 79.0 Calm 0 b m Sk 3

(checked by
Carpenter)

77.5° - Other thermometer

6 vii 9th day 28.73 - 70.0 Calm 0 b m -

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S INITIALS.

REMARKS.

9 p.m. to 9.30 a.m.
Minimum 5" 5" - 75.3° (9 p.m. to 9.30 a.m.)
30 ft. Clear weather with patches of white haze lying low in places.
4 p.m. Fog lying over Barrier to E. coast all day.
Rms. 1st class. A bank of low Sk. visible behind peaks of Terra & Terra Nova - nearly all day.
6 p.m. Aurora eastern to ESE & in arch form - fairly low down (about 20° of Bright).
Mist low lying mist (white) E N & NNW

BRITISH ANTARCTIC EXPEDITION, 1910. OBSERVER'S INITIALS.

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

TVII n 20pm 8th Camp 29.11 - 58.3 Calm Bm -

" 7.30pm 6th Camp 29.24 - 58.41 ⁴/_N air + 31 7 -

8. 1.15ky 10th Camp 29.24 - 57.2 ⁴/_N air 16 m.p. 51 7 -

" 10.30ky " 29.30 - 52.3 ⁸/_W 1 ¹/₂ m.p. Sk b -

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S INITIALS.

REMARKS.

4th British Antarctic Expedition. Curtin's running. Minimum Wind 2nd 2 pm 7 N. + S. through Zink from alt 50° - 75.8°

2nd 2 pm Slight haze. Stars etc visible.

Fog obscuring Ross Id. about 4 pm working over lower slopes of Terror from B.

10 pm 22° Hal. round Moon faint - hazy - 8th 6.30 am. Fog all over - Stars with a Zenith - Calm - 7.15 am - Long slopes of E & T. Clearing - Fog clearing 5.5th 11.30th dis.

Minimum 1.15 am to 10.30 am - 59.8°

10.30 am Bank of St- to Nth of Erebus - Terror - 15.5th a fog to 12' level - Stars visible through haze - 72° Hal. - faint.

DAY.	HOUR	POSITION.		Bar	Hyps-ometer	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
7 p.m.	Lunch			29.13	-	29.5	SW	1	ofs	10	St	
Mid.	12 th Lnp			29.06	3	27°	Cal	0	O.S.	10	St	
10 th VII	NOTE	do		28.90		24°	SSW	6	O.S.	10	St	
								8				
11 th p.m.	do			28.82			SW	5	ofs	10	St	SSW
								6				
								15				

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

7 p.m. - Thick foggy weather with Snowy Mist. Occasional light bluffs of breeze from SW. Thunder Calm. (Mid) Calm at finding ourselves on or about Pressure Ridges. Calm. Snow falling. Nothing visible. Some hours after Mid. - Commenced to blow strong from Sth & S.W. - Rise of ice pressure in vicinity of beneath Camps. Minimum -24.5° (Midth to now)

8 p.m. Wind gusty with considerable snow fall. All objects obscured at short distance. The snow ^{collecting around camp} appears to be more due to falling than drift snow. More visible through high Cist. Snow St. Moving rapidly across moun's face from SSW by direction

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
11 VII	10	12°	camp	28.61	-	+ 7.8	Sw	5 ^h 9	OS	10	St	
	Norm			28.60				5 ^h 7	OS	10	St	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum 11 pm to 10 am - 3.8
 Norm. Wind coming away intermittently
 in very strong gusts falling light in intervals.
 Pressure rises in surrounding ice containing
 the heard from time to time -
 Considerable snowfall -
 It appears that the camp is sheltered by
 one or two low pressure ridges from the main
 force of the blizzard which sweeps into the
 hollow at times. Only at rare intervals
 The snow is a deposit & not much
 wind-driven - There are practically no Sootings
 etc. seen

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
11 th	8pm	12°	Camp	28.59	-	+6.8	Sw	3 ⁵	OC.	10	St	-
12 th	6am	do	-	-	-	-	Sw	10	OGS	10	St	-
12 th	10am	do	-	-	-	+2.9	Sw	3 ⁵	S-C.S.	9	St	S
	03pm	do	-	28.70	-	-	Sw	2 ⁵	C	8	St	S

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum - from 8pm to 3.2
 8pm Wind abated considerably & less snow though
 gusty occasionally. Sky broken up & E. & NE
 showing moonlight through clouds. Fog partially
 dispersed & some features on Terra disc visible.
 Still thick to S & S.W.
 8pm to 6am - Wind increased to force 10 from
 time to time during night & heavy squalls with
 much snow & violent gusts.
 Minimum 8pm to 9.30 am - 7.6°
 10 am - Sky breaking lower clouds moving fast from S.
 Noon - General improvement - High film of Ci-st
 over sky above much detached St.

DAY.	HOUR	POSITION.		Bar	Hyps-omet-er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
12	vn	12	12	28.76	-	2.8	Sw	4 ^h 8	C.B.S	9	ci-st St.	SSW NNE	St
								oce Synth foul 10					
12	vn	10	do	28.81	-	Sw	4 ^h	6	C.B.S	9	ci-st St.		

12th BRITISH ANTARCTIC EXPEDITION, 1910. OBSERVER'S INITIALS.

REMARKS.

Afternoon - Synthesis up to force 9 from time to time with drift.

7.30 pm b. with at intervals overhead - Much light with low St. over Tiers - Clear to Sd.

Double Corona round ground about 10° across (outside diameter) Inner ring from lightest yellow to purple with orange predominating. Outer ring chiefly faint orange.

Minimum 1.30 pm to 7.30 pm - 3°

10 pm Wind falling to 4 between 3 quadrants - longer lulls. Plain ice visible in ice considerable.

13th vn About 3 am. Sw^h breeze ceased. 9 min. fall to light 200 min from E. ward.

Clear sky with ci-st to St. & SSW probable 5.

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

14 VII	3.20 PM	Lunch	28.69	-	-	-	Calms	0	C	8	St	Sd
					24.6		dr var airs	5 1	-	(low)		W.

10.30 PM	4 th Camp	28.80	-	24.5	SSW	3	0	8	10	St	-	
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BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

14th
 Nov. - Low St. moving along slopes of Terror slowly
 from Sd. S.W. Much fog lying to N^d & over
 Barries to B. Fog apparently moving slowly
 from N.W. from seaward. St. worked thin with
 stars & moonlight showing through at intervals.
 6 PM. St. worked slowly over from N^d. Moon
 showing through clouds though cuts a G-st - Corona of
 Corona - Grey, best in both rings - blue patches
 4.45 PM Aurora to NE from - purple. Shefts, large
 10.30 PM moon the most visible fog, mist & snow
 working up. Chuffy from Sd - Sth breeze
 pushing. Weather thick & threatening in appearance.

OBSERVER'S DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
16th	5:45 AM	15° 45' N	28° 30' W	28.30		24.8	Calms	3	0	—	—	—
"	5:40 PM	do	do	28.34		25.0	Sw 7 ^{3/4}	5	e/b	6	St	—
17th	Midnight	do	do	—		20.8	Sw 7	1	bc	5	ci st	—

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum wind at 8:45 AM - 28.5°
 8:45 AM Clear fine weather
 Overcast - faint curtains to NE & E
 2 PM Ci st & haze forming slowly
 Later breeze came away from Sd
 with St. & fog.
 8 PM Breeze fell lighter
 22° Halo - White without much morns
 Seen through thin Ci st -

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

Observer's Initials.

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

17 VII 11 3.0 PM 15° 15' 28.35 - 23.3 Calm 0 0 10 St -

" 11 3.30 PM 15° 15' 28.44 - 19.5 SW 3 0 8 St -

" 11 4.30 PM 15° 15' 18.57 - 22.1 SW 3 0 7 St -

18 VII in day 15° 15' 28.64 - 27.3 SW 5 0 4 St -

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

Observer's Initials.

3.0 Dull Cloudy sky - Clouds apparently stationary.
6.0 22° Halo partially visible through clouds.

22° Halo around Moon -

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 VII 11 9.47 15° 15' 28.65 - 26.3 88w 5 bc 4 ^{cast} sh

4p " 28.66 - 32w 45 bc 2 sh

18 VII 11 3.10 " - - 31.5 Calm 0 bc 3 ^{cast} sh

19 VII 11 9.30 " 28.49 - 33.2 Calm 0 bc 0 —

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

9a 22° Halo faint - no rock horns

Norm. Unable to continue work on ice
owing to stiff cold breeze on summit of ridge

Minimum 3.47 to 9.30 AM - 37°
5.30 AM to 9.30 AM Breeze - Bright - 5 N¹
B. through N 12 Curtain from with 3 light
all 13 —

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 th	4.30 PM	15°		28.44	-	30	Sw	2	bc	3	CS	
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Comp.

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

4.30 pm Light S.W. breeze down snow slope
between mountains down. Partially
flow of cold air towards sea.

During day among pressure ridges
a light - S.W. breeze continued freshening
towards evening - Clear sky & clouds
never more than 3 in proportion.

Ridges did not admit of approach to
sea ice. Heard Emperor Penguins
in probing.

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

20th 3^{hr} 28° 35' 2 Be Cst 2

Completed Igloo

21st 2^{hr} 27° 30' 3 Be Cst 3

22nd 5³⁰ 28° 50' 23° 35' 4 Be Cst 5

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S INITIALS.

REMARKS.

3^{hr} Bright Aurora Shifts + Contin. over Barnes to 12 & 12.15. Bright glow & N.E.

Light Continues breeze down Snow Slope

During day among Pinn ridges S. freeze felt at all exposed parts & also in hollows under rock cliffs. Found Penguin rookery on Sea ice skattered from S.E. winds under broken ice near cliffs. 3.30 pm Clear Sky with little Cst & N.E. 5.30 pm Breeze freshening - St. Spreading 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

20 ⁰⁰ ~~Apr~~ Terra - -24° S 66° W 6 bc 6 Sr -

21 ⁰⁰ Sky do - 20.4° S 93° W 10 Sr -

Nov 10 - S 9 2 0. M. 10 Sr -

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

Breeze freshening & it moving rapidly
from S^d.

Clear sky over sea ice to NNE with
auroral light in that direction - faint.
(Blubber Stone Bill's eye)

During night wind increased to force 8 falling
towards 6 am to 5

Noon Dull misty day occasional
breaking of sky to S^d & SE but General
thick appearance with S^d clouds moving
up rapidly -

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

21	10.30	Term		-			23.7	8	Clear	6	8	8	9d
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22	10.30	do		-			23.7	8	Clear	6	8	8	9d
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BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Unsettled weather.
(Secured tent & pushed tent to
leeward on ridge - Banked up all
Blubber Stone is tent)
3.00 by Commenced blowing heavily from
S.E. with little drift.
6.30 by. Heavy drift & wind is strong
gusts. Tent blown away

Bliz continued with unabated
fury all day
(Any Collapse of Blubber Stone)

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
23	9h	70° 15'	150° 00'	—	—	—	SE	11	0	10	St	—
24	6h	do	do	—	—	—	SE	2	cb	7	St	—
	10h	do	do	—	—	—	SE	3	cb	8	St	—
(Found list & replaced it on previous site (15 hump))												

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

23 Wind blowing with almost continuous storm force - very slight lulls followed rapidly by squalls of great violence

About 11 am Roof of hut carried away.

Storm continued with unabated fury all day - not much drift. x

11h Knot visible. Heavy Squall in V shaped Cloud over Knot

24 After midnight. Squalls interrupted by short lulls to force 3 about —

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	VII 11/2 pm	15°	Camp	28.80		12°	SW	2	bc	4	St	
25	VII 11 Norm	do				15.3	SW	4	bc	15	St	
	3 p	1°	Rel. lat.			17°	SW	8	O.C.	10	St	
26	V 11/2					21.5	SW	2	bc	5	St	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

24th - Dull Cloudy & unsettled appearance
of weather to 5th
Light to gentle breeze all day -

25th 9 h. Clouds moving mod from S^W
Thick & misty over Barrier to S & S.E.

11th Breeze freshening
2 p.m. Breeze freshened to fresh gale & lay
to 9 & continued thus for about 10 hours
less of lower to middle
11 h. - 2 bth Wind fell light & sky cleared

DAY.	HOUR	POSITION.		Bar	Hyps-ometer	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
26	9pm	2 nd Lat.		29.48	45	Calms			b	—		
27	9 AM	do		29.48	45.3	Calms			0 b	5	Sr.	
						U. 1/2 W. 1/2 S. 1/2 Air 1						
	5pm	Lat			45°	Calms			b	—		
	9pm	3 rd		29.28	47	Calms			0 b	—		

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

26th Along pressure ridges.
Bright Aurora low down to 12. Curtin stretch from
27th 9am. Clouds moving slowly
over slopes of Terra from N.E.

About 7pm long low bright Aurora extending
over Eastern Horizon alt about 15°.
No S. of 15. (Crevasse among ridges to)
(3rd Camp on Terra Slopes)

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

28 VII	8.30	Tung		29.30		47.2	Calm	0			
	8.45	Slops									
	3.00	Crab									
	3.00	Amch				40.3	Calm	0	bc	Cir 2	
	4.00	Ampr									
	8.00	Ampr		29.23		38.5	SE	3	bc	3 Cir	
		Barren									

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

28th Bright fine weather. Peaks of
Tung Volcan all day. also 1 Peak
of Kachur from the ship. Sea -
Chinin 9.00 to 8.30 by 28th
- 49.3°

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

29 VII	5:30 AM	4° 4'	145° 39'	29.39	-	42.0	Calms	bc	3	li-s	
"	2:30 PM			-		43.8	E	2	bc	3	li-s
"	9 PM	5° 10'	145° 25'	29.25	-	45.3	E	1	bc	2	li-s
30 VII	9 AM	do	do	29.05	-	55.3	Calms	bc	3	li-s	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum 8 PM 28th to 5:30 AM 29th - 46.1°

3 PM li-s formed in parallel lines over pack & icebergs -

9 PM Bright Aurora over Barrier to E.

Minimum 9 PM to 9 AM - 66.5°

3 AM Brilliant Aurora - Parry's Plateau Coastline at alt of about 30° to 60° extending from N 13° to about SSW faint sharp to SW

Orange stream well defined & much motion in rays

- Aurora all night

DAY.	HOUR	POSITION		Bar	Hypsomet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
30 th	3 ^{pm}	Land		-	-	53.2	Calm	0	bc.	3	Clst	
	8 ³⁰	6 th	Rel	29.06	-	51.8	Br air	1	b	-		
		Cup										
31 st	9 ^{1/2}	do		29.28	-	57	Calm	0	bc	2	Clst	
	3 ^{pm}	Pinnat Edged Berries		-	-	43	Br air	1	bc	4	Clst	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

3rd from -
During pm light to 5th NB air from
in to time. Ci-88 over Mt Terra
2 lateral lines one parallel to the other
very clearly defined & changing very slowly -
4^{pm} Aurora to 7th.
Minimum 8.30 pm to 9.15 - 62.9°
Brilliant Aurora during night 9.30 pm all
about 30° & across E & SE Sky - Curtains from
with much colour - 3 am. Alt about 90°
& Curtains covering Sky from N to SSW -
1^{pm} - Ci-88 forming to NE & moving
over from that direction slowly
Temp at Berin edge - 45°

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

31	10:30	Lat 1° 11'		29.41		27	Calm	bc	+ Cls			
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BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

4 pm Considerable amount of C. St. Spruce
once from N¹ & apparently dispersed to
S¹ & SSW - A light air off the edge of
Barrier was found as before - probably
Surface cold air flowing on to Sea ice -

N.B. Only about 6 inches of snow on Sea ice -
On approaching Gap a considerable rise of
temp was noticed - Temp on arrival at
Hot point found to be 27.2°

9 pm Aurora visible through Gap - Arch-
with purp. shafts rising therefrom to alt of about
35° - Sky cleared later -

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 VIII 33 Lat. Pt
Ay - 27.3 ES 12 1/2 bc -

8 Ay do - 28° Calm bc 3 liss -

During day Calm. About 4 pm light
S. breeze came away

5.30 pm Glacier
longer - 30 S. 1 1/2

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum 10.30 pm to 6.30 am - 27.8°
3.30 Ay. Strong breeze. Aurora light to
S. & slightly visible through gap.

6.30 Ay. Breeze falling light.

8 Ay. Calm & clear

11 Ay. A stiff N.E. breeze suddenly came
away off Hat Point falling rapidly on land
being clear. Force 4 to 2 -

During hours of daylight. Remarkable
iridescent clouds. At 11.30 General Aurora
Opal - 9 pm (about) Off Inaccessible Id.
met W. breeze force 3 which continued
till arrival at C. Evans.

