

No. 3

WEATHER
Stenographer



From November 1928
and

To December 1928

Riverside line

No. 2708

Christo + Ephraim

Nov. 1st — Two Greenlanders[↑] arrived this morning and said they would carry coal at 5 kroner each per day. They are to begin tomorrow. David Olsen sent us two smoked salmon and several packages of tobacco.

	A	P	8	9	AST	0	10;1;0	10;0;0	Sum
Dry	22.0	20.6	few	AST	0	0	0	0	0
Wet	19.9	19.0	10	AST	0	0	0	0	0
Max	25.2	22.0	few	AST	0	0	0	0	0
Min	20.8	19.8	12	AST	0	0	0	0	0
Hum	65	65	few	AST	0	0	0	0	0
Wind	ENE 12	NE 8	2	AST	0	0	0	0	0
Temp	33.5	65.5	few	LAST	0	0	0	0	0
B ¹ m	28.030	28.422	4	AST	0	0	0	0	0
B ² g	28.00	28.26	few	LAST	0	0	0	0	0
Prec	0	0	6	cist	0	0	0	0	0

Sunrise - cloudy
 Sunset - cloudy

*"grd - 415

November 1 - 1928

The lowest pressure came last nite at 8P. after 10P it began to rise and reached 28.00 at 8A. a sudden rise about 2P and a slow increase thereafter brot it to 28.26 at 8P.

The sky was overcast the entire day, except for a cloudless area in the western sky near the horizon. This is one time when rising pressure from such a low level has not brot precip. A large sheet of ice acres in extent was floating in the fjord today.

Three AST
 3:20-4:10

	1	2	3	4	5	6	7	8	9	10	11	12
SE	SE	SE	SE	SE	ENE	ENE	ENE	ENE	E	E	E	
ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	E	E	

	A	P	84	cu	0	10;8;0	
Dry	20.5	15.0	3	AST	0	10;3;0	
Wet	19.0	13.9	10	ci	0	6;8;0	
			4	ci st	0	10;6;0	
Max	22.0	21.0	2	AST	0	10;3;0	
Min	19.5	13.1	12	ci st	SSW	10;8;1	
			1	ci cu	SSW	10;7;0	
Hum	75	62	1	AST	0		
Wind	NE 8	N 6	2	ci st	SSW	10;7;0	
			9	AST	0		
Temp	33.0	68.0	few				
B ₁₀	28.376	28.310	4	ci st	0	10;8;0	
			few	AST	0		
B ₉	28.35	28.12					
Prec	0	0	3	ci st	0		
			few	AST	0		

Sunrise - Pt cloudy
 Sunset - pt cloudy

* gnd 4.1

1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N
N	N	N	N	N	N	N	N	N	N	N	N

Sun
 thru AST

Nov 2 - 1928

thru ci st

Pressure reached its highest at 8A and after that it again started downward. Today, altho the sky had considerable ci st, it was bright and cold.

set 4P

Cracks on Botany lake are permitting water to come up over different parts of the ice.

Dry	19.6	27.0	10	AST	0	10:25:0
Wet	18.0	25.8	10	AST	S	"
Max	23.7	27.5				
Min	17.8	18.0	6	cist	SSW	
			1	AST	SSW	☉
Hum	60	70	few	st	S	☉
Wind	W 6	E 12	4	cist	SSW	☉
			4	AST	SSW	☉
Temp	43	69.0	5	AST	SSW	☉
			few	cist	SSW	
B _m	28.116	28.622				
			8	AST	SSW	☉
B _g	28.05	28.42	few	LAST	S	
Prec	0	0	9	AST	SSW	☉

Sunrise - cloudy
 Sunset - cloudy

* $\sigma_{pd} = 1.0$

1	2	3	4	5	6	7	8	9	10	11	12
N	N	N	N	NW	NW	NW	W	S	SE	E	NE
SE	SE	SE	SE	SE	SE	E	E	E	E	E	E

Sun

Nov. 4

0
 thru cist

"
 0
 —

Outstanding today was the foehn which began shortly after noon & continued until 5 P. During this time wind blew at intervals at more than 60 m.p.h. The balloon run of one minute showed the SE wind to be covering 1765 M in that period of time. Pressure rose sharply from 28.025 at 2 P to 28.35 at 6 P. Clouds were difficult to distinguish & classify because of their wind torn appearance. Many of the fragments of AST had bases which were badly disintegrating. The wind carried most of the snow off Mt. Evans. From the appearance of hills 15 mi away it looks as if this wind was somewhat localized, since those hills still have considerable snowcover.

Dry	25.4	34.5	10	4st	S
Wet	23.7	29.0	10	new dist	S
Max	27.0	38.1	9	4st	S
Min	22.3	25.4	12	Few CIST	SSE
Hum	75	45	9	Ast	SSE
Wind	N10	NE10	7	Ast	SSE
Temp	42.0	66.0	2	st	SSE
Bim	2856	2859.2	4	2 ACU	SSE
Bq	2851	28.45		6 Ast	SSE
Prec	0	0		Few st	SSE
				3 ACU	SSE
				5 Ast	SSE

Sunrise - cloudy
 Sunset - cloudy

* qd 0.7

nite - clear

Sum

Nov. 5 - 1928

The wind was still strong today, and it continued its work of evaporating the snow. Much dust was picked up and held in the air making the horizon quite hazy.

0
0
0
0
-

1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	NE	NE	N	N	N	N	N	N
NE	NE	E	E	NE	NE	NE	NE	E	E	E	E

Christo + Ephraim left for SarfanguaK today.
We found that they had "cleaned out" all except a
few small pieces of the black bread, ^{as well as} the Eskimo
hard bread and everything else in the way of oatmeal
pemmican + beans that Bill had given them.

One max. thermometer broken today.

	8am	8pm	8/	2 ci STWSW
Dry	34.5	32.4		
Wet	28.7	28.1	10	
Max	39.0	41.5		3 ci STWSW Few AH STWSW 10:30
Min	31.3	32.4	12	4 ci STWSW
Hum	44	40	2	
Wind	E 37 N 11			3 ci STWSW
Temp	37.0	65.0	7	Few ci STWSW Few stars
Barom	28.296	28.478	9	
Boing	28.34	28.36	9	Few ci STWSW Few stars 0
Prec	0	0		

Sun Nov 6, 1928

then ci st More wind and more dust. The air moves in gusts, blowing strongly for approx ten min + then becoming quite for an equal length of time.

nite-clear
Aurora about 5° above horizon 8:30.—

SW - clear
SS - clear
*ipd = 0.1

	1	2	3	4	5	6	7	8	9	10	11	12
2	E	E	E	E	E	E	E	E	NE	NE	NE	NE
8	NE	NE	NE	NE	NE	N	N	N	NE	E	E	E

	Sa	Sp	8/	Few ST and Small wffs 5 lb ring
Dry	25.0	33.5		
Wet	20.9	29.2	10/	Few Hst 0
May	33.8	35.0		
Min	23.5	25.0	12/	Few A st 0
Hum	45	35	2/	Few A and " A ST 0
Wind	E 12	NE 5		
Temp	34.0	02.0	4/	1st an SW 2 A and W
Barom	28.420	28.406		
Barom	28.39	28.26	6/	1 A and SW 3 A ST SW
Pre	0	0		

Sum
B
B
B
—

NOV. 8, 1928

Still some dust in the air today, but much less than previous. Pressure was quite even today.

Temp. 1 PM - split rock 34°
" 1:25 " Lower C. 36°

nite-clear

*"gd=T

Aurora - 9:10 -
Southern half of sky

	SR	clear										
1	SS ₁	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	E	E	E	NE	NE	NE	NE
NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E

	8a	8p	8	Few ci st S
				2 A st S
Dry	36.6	31.0		2 st S
Wet	32.0	25.4	10	3 ci in SW
				2 A cu S
May	39.1	39.9		Few A st S
				2 st S
Min	23.5	31.0	12	Few li st SW
				5 ci cu SW
				2 A cu S
				2 st S
Hum	37	44	2	Few li st SW
				3 ci cu SW
Wind	NE 15	E 14	3	A cu S
				1 A st S
Temp	39.0	65.0	4	Few A st SW
				3 A cu SW
				5 A cu S
				1 st S
Bar	28.332	28.414		
Bar	28.31	28.26	6	3 A st SW
				4 A cu S
Prec	0	0		2 st S

Super cloudy
SS clear

Sun
thin ci cu
" "

NOV 9, 1928

Wind today was light and altho the humidity continued low there was scarcely any dust in the air. Evaporation is getting rid of a good deal of snow.

* grad T

nite-clear

Aurora - Southern sky - 7PM-7:15 as a small streamer - later 10P+DN 1:15 in southern sky

1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	NE	NE	NE	NE	NE	NE
NE	NE	NE	NE	NE	E	E	E	E	E	E	E

Day	8a	8p	2 ci	S
	25.5	19.9	2 AST	S
Wet	21.0	16.0	10/6 ci	ST S
			2 Au	SSE
May	31.0	25.5	2 A ST	SSE
Min	22.5	19.9	12/3 d	ST S
			5 A	SE
Hum	43	68	2 A ST	SE
Wind	NE 8	NE 3 1/2	7 ci	ST ESE
			3 A	SE
Temp	33.5	69.5	4/2 ci	ST ESE
			FW	AST ESE
Barom	28.272	28.264	"	ST 0
Barog	28.26	28.09	6/7	FW ci ST E
			3	AST ESE
Prec	0	0		

sun

Nov 10, 1928

low ci

ci tho not dense formed a cover over the sky the greater part of the day. Pressure was even + winds light.

"

"

Temp 1 P - split rock 26°
" 1:25 P - Lower C. 26°

*"gid = T

nite-clear

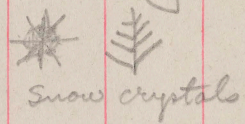
SR - clear
SS - clear

1	2	3	4	5	6	7	8	9	10	11	12
E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NE	NE	N	N	NW	N	NE	N	N	N	NW	NW

NOV 12, 1928

	8a	8p	8/						
Dry	16.1	15.2	10	st	NNE	10;200;0	sun		
Wet	15.2	15.0	10	st	NNE	10;100;0	0		
May	17.0	17.0							
min	15.0	14.7	12/10	st	Nb NNE		0		
Hum	76	95	2/10	st	NE		0		
Wind	NE 4	N 5							
Temp	32	67.5	4/10	st	NE				
Barom	28.372	28.520							
Barog	28.34	28.32	6/10	st	NE				
Prec	0	T _s							

Snow began 9:53; ended 2:36P with 0.4" on ground. The flakes were large and very light.



Temp on top 11:30P - - -17°
 Split rock 12:1M - - -19°
 Lower camp 12:30 - - -21°

*"grd = 0.4

nite - cloudy

SR - cloudy
 SS - cloudy

	1	2	3	4	5	6	7	8	9	10	11	12
	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	NE	NE	NE	NE	N	N	N	N	N	N	N	N

	A	P	8	few	AST	0	over ice
Day	13.0	7.0	1		st	N	10;0;0
Wet	13.0	6.0	10				
Max	15.2	13.0	few	ST	N		
Min	12.5	4.7	12	few	st	0	
Hum	99	78					
Wind	NW 4	N 4	2	3	ci st	0	3:16:0
Temp	36.5	66	few	st	0		
B'm	28.470	28.534	4	4	ci st	0	
B'g	28.42	28.32	few	st	0		
Prec	Ts	0	6	few	ci st	0	
			few	st	0		

Nov. 13, 1928

Sum

B

B

B

Today was clear and cold. There were a few st clouds to the N+S on the surface of the ground. The balloon went for 57 min, first in NE and later in a west wind. The latter must have been the stratosphere. Pressure has remained nearly stationary for three days. The thermograph showed a sudden decrease in temp about 6 P from to but within 30 min. it had got back to its former mark at .

*"gpd." = 0.2

SR - clear - (9:50)
 SS - Pt cloudy - (3:10)
 nite - clear

Aurora - 9PM → southern horizon (5° above)

1	2	3	4	5	6	7	8	9	10	11	12
NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	NW
NW	W	N	N	N	NW	NW	N	N	N	N	N

	A	P	8	5	cist	0	10:6:0
Dry	5.0	4.0	few	st	0	0	slur, 1000' in fjord
Wet	4.1	3.5	10	3	cist	0	0
Max	7.0	5.0	few	st	0	0	0
Min	4.8	3.1	12	3	cist	0	0
Hum	86	90	few	st	0	0	0
Wind	NE 6	NE 4	2	3	cist	0	0
Temp	19	68.5	few	st	0	0	over hills to N
B _{ms}	28.400	28.530	4	3	cist	0	0
B _g	28.40	28.32	few	st	0	0	0
Prec	0	0	6	3	cist	0	0
				few	st	0	0

Sunrise 10A Nov. 14, 1928

then cist

Temp - on top Mt Evans - 5° - 10A
 " split rock - 7° - 10:20A
 " lower camp - 4° - 10:45A
 " straightaway - 12° - 11:15A
 " on top - 5° - 12A

" "

" "

set 3P

There is still a trace of snow on the ground. Some areas are bare while others have ^{as much as} three or four inches where the wind has drifted it near some rock


The thermograph fluctuates considerably during the day showing the effects of indrafts of cold air. Today was the first time it has been possible to "see the breath".

*grd = +

SR - cloudy
 SS - Pt cloudy
 rite - clear




Aurora - 6PM - slightly east of zenith - ^{small area} over 6:20P.

1	2	3	4	5	6	7	8	9	10	11	12
N	N	N	N	N	NE	NE	NE	NE	NE	N	N
N	N	N	N	N	N	N	NE	NE	NE	NE	NE

	A	P	8	3	cist	0	10;6;0
Dry	1.5	1.5		2	A St	0	8;3;0
Wet	1.5	0.0	10	1	cist	0	
Max	4.1	1.8		1	St had	0	
min	-0.1	0.0°	12	few	cist	0	SE hori.
Hum	99	96		few	AST	0	over beyond Fingo
Wind	E 1	N 1		few	ST	0	fiord
Temp	31	64		few	cist	0	
				few	ST	0	
Bin	28.430	28.519		4	few	cist	0
Bin	28.40	28.34		few	ST	0	
Prec	0	0		6	few	st	0

Nov. 15, 1928

There was a heavy deposit of hoarfrost on objects which were in the air. Some of the crystals were 1/2" long, and extended on the south side of the objects.

   The st clouds formed on about the level of Mt. Evans over the fjord and all west of a line SSE of here.

SR - clear
 SS - clear
 nite - clear

* grad = 7

Aurora - five streamers in zenith
 6:25 - 6:50 - very bright, after this time it was quite faint but could be detected

	1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	E	E	E	E	E	E	E	NE	NE	NE
NE	NE	NE	N	N	N	N	N	NE	E	E	E	

	A	P	8	10	AST	E	10;100;2	Sum
Dry	3.8	0.8						
Wet	3.4	0.8	10	9	ST	E		0
Max	3.8	4.0						0
Min	-1.2	-0.4	12	9	ST	E		0
Hum	98	90						0
Wind	NE 6	NE 6	2	9	ACu	E		0
Temp	72	63	few		ST	0		0
Dir	28.422	28.570	4	few	AST	E		-
Dg	28.45	28.40	few		ST	0		
Prec	0	0	6	few	ST	0		

SR - cloudy
 SS - Pt cloudy
 nite - clear


Aurora - began 7.40 - faintly
 in the east

*grad = 1

Nov. 16

The AST which covered the sky at daybreak gradually became ST by 9:30A. However, after 1:30P this cloud sheet quickly became ACu as the edge of the mass came in from the east. After three o'clock the sky was practically clear. The cloud level in the fjord remained the same i.e. about 1200' with the top an irregular line about 1400'.

1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	NE	NE	NE	NE	NE	NE
NE	NE	NE	NE	NE	NE	NE	NE	N	N	N	N

	A	P	8	few	st	0
Dry	-1.2	3.5			(in fjord)	
Wet	-1.2	2.5	10			
Max	0.8	3.5	few	st	0	
Min	-5.1	-1.5	12	few	cist	SW 85% 0
Hum	95	75	few	st	0	
Wind	N 2	N 4	2	3	cist	SW
Temp	27.5	62.0	few	st	0	
B'm	28.450	28.472	4	few	cist	SW
Bq.	28.46	28.51	few	st	0	
Prec	0	0	6	few	st	0
					(in fjord)	

SR - clear
 SS - Pt cloudy
 nite - clear

Aurora - 6:30 as a streak
 across the southern sky - about
 10° above the horizon - 2-5-

* grid = T

	1	2	3	4	5	6	7	8	9	10	11	12
N	N	N	N	N	N	N	N	N	N	N	N	N
N	N	N	N	N	N	N	N	N	N	N	N	N

Sum

Nov. 17

B Wind light with a clear sky
 today. Clouds in fjord, probably
 B throughout the nite, and all
 during the day. Aurora of
 last nite was evident this
 morning at 8 A.M.

	A	P	8	6	cist	0	10:50
Dry	4.2	13.5	few	st	0	0	
Wet	2.9	12.8	¹⁰ 10	cist	0		
Max	4.2	13.5	few	st	0		
Min	1.0	4.0	¹² 10	cist	0		
Hum	66	60	few	st	0		
Wind	N 5	NE 12	² 7	cist	0		
Temp	23.5	67.5	³ few	AST	WSW		
B _{im}	29.316	28.330	⁴ 7	cist	0		
B _g	28.31	28.15	³ few	AST	WSW		
Prec	0	0	0	st	0		

Sum

Nov. 18

thru cist

"

"

Halo 12:15 P - 1:50 P - very faint + only the upper half visible. The warmest of the day occurred at 8 P. 17, evidently a foehn effect for the humidity was 60 and the wind was \leftarrow . Pressure fell slightly from 10 A M and was still going lower at 8 P.

SR - cloudy

SS - cloudy

nite - Partly cloudy

Aurora in south beginning about 7:30 P; 15

*gpd = T

	1	2	3	4	5	6	7	8	9	10	11	12
N	N	N	N	N	N	N	N	N	N	N	N	N
N	N	N	NE	NE	NE	NE	NE	NE	NE	E	E	

	A	P	8	4 ACW SW 6 AST 0
Dry	24.5	18.6		
Wet	23.0	16.1	10	3 cist SW 1 ACW SW
Max	24.5	25.2		3 AST SW
Min	13.5	18.6	12	3 cist SW 3 ACW SW 2 AST SW
Hum	79	69		
Wind	E 12	NE 12	2	4 cist WSW 3 ACW SW 2 AST SW
Temp	30.5	65.0		
Bm	28.102	28.162	4	6 cist WSW 2 ACW SW 2 AST SW
Bg	28.06	28.01		
Prec	0	0	6	discontinued

Sum
three cist

Nov. 19, 1928

The ACW & AST today were badly broken; fragments varied in size from large masses to small wisps. Pressure was going down slowly.

Site - Cloudy
SS - Cloudy
nite - clear
Aurora after 9P in south. J 4

*gid = T

1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	E	E	SE	SE	SE	E
E	E	E	E	E	NE	NE	NE	NE	NE	NE	NE

Nov. 20 1928

18.6	8a	8p	7/2	Acu S
dry	14.5	11.5	7	Ast S
Wet	13.0	10.3	10	
May	18.6	18.9	10	Ast S
Min	3.5	11.5	12	2 Acu S 6 Ast S 2 st Nb S
Hum	72	80		
Wind	N5	N10	2	5 Acu SW 2 Ast S
Temp	29.0	64.5	4	2 Acu S 7 Ast ENE
Barom	27.978	27.924		
Barog	27.98	27.75		

Lt snow began 11:43am
Ended 12:10P

The snow which fell today was in the form of pellets which were about 2mm. in diameter. First quarter moon in south about 5° above horizon. Pressure still slowly lowering

* qpd = T

SS - cloudy
SS - cloudy
nite-clear
auroral streamers from W to E across the sky after 6:30P
I-8

	1	2	3	4	5	6	7	8	9	10	11	12
ME	NE	NE	N	N	N	N	N	NE	E	E	SE	
SE	E	E	NE	NE	NE	N	N	N	N	N	N	

8a 8p

8/ Few AST 0

Sum NOV. 21, 1928

Dry 3.7 4.4

Wet 3.0 4.4

Max 11.5 6.3

Min 1.0 1.8

Hum 64 100

Wind N 10 SE 3 1/2

Temp 21.0 63.0

Barom 27.552 27.592

Pres 27.56 27.42

Prec. 0 0

10/ Few Ast w
Few Asts

12/ 3 ci sts
1 Asts

3/ 4 ci sts
2 Acus
2 Asts

4/ Few Ast 300
6 Acus
2 Asts

SR - clear
SS - cloudy
nite - Pt. cloudy
Aurora - none

three ast

" "

*gnd = T

Pressure reached a record low level of 27.40" during the hours 4 to 7 P.M. We expect considerable wind to accompany the rise, altho it has been quite calm today.

The moon was nearly obscured by what appeared to be a thin AST.

1 2 3 4 5 6 7 8 9 10 11 12

N N N N N N N N N N N N

NN NN N S SE SE SE SE SE SE SE SE

8a 8p

8/

10 STMS

10:100:0

Nov. 22

Dry 6.5 10.5

Wet 6.8 10.5

Max 6.8 11.3

Min 1.0 6.8

Hum 100 100

Wind E 3 NW 1/2

Temp 26.5 71.0

Barom 27.77 28.08

Barog 27.75 27.91

Pres Ts Ts

10 STMS

10 STMS

10 STMS

10 STMS

SR - cloudy
SS - cloudy
nite - cloudy
Aurora - none

* qnd = T

↑
average jkt
at times clouds
were on the
surface; visibility
600 yds, otherwise
it was 1600 yds.

Light snow flurries began
DN and continued all day.
This seems to be the outcome of
the low pressure of yesterday,
for today the wind has been
light. The barograph has
risen slowly to 27.91".

1 2 3 4 5 6 7 8 9 10 11 12

SE SE SE SE E E E E E E E SE

SE E NE NE N NW NW NW NN NN NN NN

Nov. 23, 1928

	8a 88	⁸	
Dry	10.9 8.0		10 st S
Wet	10.0 7.3	¹⁰	10 st S
Max	10.9 10.9		
Min	10.6 8.0	^m	
(Hum)	89 85		10 A st S
Wind	N 5 NE 7	²	10 A st S
Temp	32.5 69.5		
Barom	28.144 28.250	⁴	10 A st S
Barog	28.17 28.11		

Sum

Pressure went above 28.00" during the night and things appeared to be normal once more. The light snow stopped D N with only a trace to be recorded, st became A st during P.M. and by six P.M. the sky was practically clear, the clouds just seemed to disintegrate.

0

0

*qd=T

Pre T₂ 0 SE - Cloudy nite - clear - moon bright
 SS - Cloudy aurora - made dim by bright moon.

1 2 3 4 5 6 7 8 9 10 11 12

Q NN NW NW N N N N N NE NE E E

0 E E E E E E E NE NE N N N

It seems as if the moon has an effect on the strength of radio signals. Last nite OGD and 8AXZ were very weak and I was unable to work either of them. Perhaps it is combination of moon + aurora.

8a 8p ⁸/₁ Few st 0

Nov. 24, 1928

dry 0.9 1.1

Sun

met 0.0 0.0

¹⁰/₁ few ci 0
few Ast 0

The day was clear and cold. Balloon run 57 mins. Moon

may 8.0 4.0

few st 0 ¹⁰/₁ foid

Sunrise 10:40

min 0.5 0.9

¹²/₁ few ci 0 in south

B

Hum 69 62

Few Au 0 over ice

wind NE N6

few st 0

B
sunset 2:10

Temp 18.0 65.0

²/₁ few ci st W

Barom 28.042 28.216

Few Ast 0
few st 0

Barog 28.05 28.06

⁴/₁ ci st W SW

Pres 0 0

Few Ast 0
few st 0

*gd = T

nite - clear until 10P when light ci st came in from SW

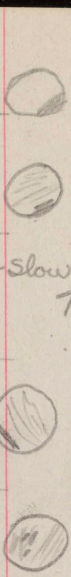
SS - clear Aurora - present but made faint by bright moon

1 2 3 4 5 6 7 8 9 10 11 12

N N N N NE NE NE NE NE NE NE NE

N N N N N N N N N N N N

	A	P	8	3	cist	5
Dry	7.1	10.2		2	AST	5
Wet	6.0	9.0	10	6	cist	5
Max	14.0	11.0		1	AST	5
Min	6.2	6.9	11	7	cist	SW
Hum	61	76		2	AST	0
Wind	N 7	SE 7	2	7	cist	SW
Temp	32.5	66		1	AST	0
B/m	28.092	28.100	4	3	cist	SW
B/g	28.06	27.92		3	AST	S
Prec	0	0				



Nov. 27

There was a 0.5" drop in pressure from midnite to 2 P.M. this afternoon; the pressure dropping from 28.36" to 27.86". The balloon showed a westerly wind as long as its flight continued which was seven minutes. The wind during the day traversed a complete circle.

Slow Sun
Thru Cist

- Temp. 9AM. on top -- 10°
 9:20-split rock -- 6° ← air drainage
 9:25-Straight-a-way -- 10°
 9:55-Ford shore -- 7°
 water --- 30°
 10:15-straight-a-way -- 9°
 10:25-split rock -- 7°
 11:00-on top -- 9°

28.05 - 2A
27.60 - 2P
 Sunrise - Pt Cloudy
 Sunset - cloudy
 moon - bright - ☾ - 7:20P → DN
 nite - cloudy - 8 - cist
 Aurora none

*gd = T

1	2	3	4	5	6	7	8	9	10	11	12
E	N	N	N	N	N	N	N	NW	NW	W	W
SW	S	SE	E	E	NE	E	SE	NE	NE	N	N

	A	P	8		
Dry	12.5	12.0	6	ACu	SSE
			4	AST	SSE
Wet	12.1	12.0	¹⁰ 6	ACu	SSE
Max	15.5	12.2	4	HST	SSE
Min	7.8	9.6	¹⁰ ₂	cist	0
			5	ACu	SSE
Hum	82	92	³ few	AST	SSE
			few	LAST	0
Wind	N 5	E 5	2 6	cist	0
			² few	AST	0
Temp	33.5	67.5	2	LAST	0
			2	ST	SW
B ₇₀	27.938	27.916	4 4	cist	SW
			6	AST	SW
B ₉	27.90	27.75	few	LAST	SW
			few	ST	SW
Pres	0	0			

S.P. - cloudy
 S.S. - cloudy
 nite - cloudy
 aurora - none

*grd = T

1	2	3	4	5	6	7	8	9	10	11	12
N	N	N	N	N	N	N	N	NW	W	SW	SW
S	S	SE	E	NE	NE	E	E	E	E	E	E

Nov. 28

Sum
 obs
 obs.

The fluctuation in pressure of yesterday was duplicated today. The pressure reached its highest at 2 AM, a reading of 28.05" and then fell rapidly but to a lower point than yesterday, to 27.60" at 2 PM this afternoon. Today's balloon still showed a westerly wind near the surface. Nothing of import. could be got from the flight because it only continued for seven mins. clouds during the morning moved in from the SSE and must have been formed where cold wind from off the ice met the warmer moisture laden surface wind brought in by the W & N winds. St. clouds formed on the grd. at 2 PM. Objects in the air were coated by frost.

Nov. 29th

↓ not below zero

9:45 Temp on top -19°
10:10 split rock -22°
10:15 straight away -23°
10:25 Fjord shore -18°
10:55 split rock -20°
11:45 on top -18°

	A	P	8	10	ST	SW
Dry	13.2	11.0				
Wet	13.2	11.0	10	10	ST	SW
Max	15.2	13.2				
Min	12.5	10.5	12	10	ST	SW
Hum	100	96				
Wind	SW 2	NW 8	2	10	ST	SW
Temp	44	67				
Bim	28.532	28.734	4	10	ST	SW
Bq	28.45	28.54				
Prec	T _s	.02"				

melted

SR - cloudy
 SS - cloudy
 nite - cloudy
 aurora - none

* on grid = 1.3

Dec 2

* DN - depth of fall on grid - 1.2",
 representing 0.7 mm. of precip.

* flurries 7:26P - 7:47P

Hoarfrost formed on
 objects from 3:30 to 5:30 on
 SW side.

sun

obs.

obs

	1	2	3	4	5	6	7	8	9	10	11	12
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W
W	W	W	W	W	W	W	NW	NW	N	N	N	N

Dec. 4, 1928

	AM	PM	By	F W A S T 0
Dry	-0.1	4.2	10	12 ci st WSW
Wet	-1.2	2.7		4 ci cu WSW (5933)
Mist	-0.1	4.2		
Mist	-2.5	4.0	10	3 ci st WSW (5933)
sun	53	65		3 ci cu WSW + w st W
Wind	N 5	NE 6		10 st W
Temp	23.5	66.5		
Barom	28.332	28.136 ⁴		10 st W
Barog	28.38	28.48		
Baro	0	T _s		Sunrise - Pt. Elder Sunset - cloudy night - Pt. Cloudy aurora - Dim SE to SW

sun obsc.

Lt snow began 1:58 PM
Over at 2:45 PM.

There was a noticeable inversion

- Today. - On top 1 PM - 3°F
 1:25 Split rock - 2°
 1:35 Slope - 2°
 1:40 Kite reel - -2°
 1:45 Shore - 1

This shows the influence of air drainage and warming effect of water in fjord.

The st came in rapidly from the west - possibly an hour being required for it to cover the sky.

* " grad = 1.0

1	2	3	4	5	6	7	8	9	10	11	12
N	N	N	N	N	N	N	N	NE	E	SE	SE
SE	SE	SE	SE	E	E	E	NE	NE	NE	NE	NE

Karl Hansen arrived at 10 AM today.
Mathias Olsen, Enoch, and two other Greenlanders
came in with three dog teams

	8a	8p	8/	
Dry	4.5	7.9		9 st W
Wet	3.1	6.9	19	
MAX	5.5	7.9		10 st W
MIN	1.5	1.2	12	
HUM	78	80		10 st UNW
Wind	NE 3	NE 7	3	7 st WNW 2 A cu WNW 1 A st WNW
TEMP	26.0	71.5		

Dec. 5, 1928
 24 Snow 11:55 A.
 stopped DN

altho the sky was
 overcast pressure rose
 considerably during the
 day.

From westerly for 12 m
 apt. cl.

BAROM	28.612	28.9524	1/	6 st WNW 3 A cu WNW 1 A st WNW
BAROG	28.66	28.78		

PREC	0	T _s	SR - cloudy
			SS - cloudy
			Nite - clear
			Aur - dim overhead

head and to SE + SW * "qnd = 1.0
 began approx 7 PM

	1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E
SE	SE	SE	SE	E	E	E	NE	NE	NE	E	E	

Greenlanders left at ten A.M. today,

Dec. 6, 1928

Pressure reached a high point of 29.02 at 8:30 AM

Wp. 2970
ESE

	8a	8p	8/ Few Ast 0
Dry	6.8	6.9	
Wet	5.6	5.0	10/ Few Ast 0
Max	7.9	6.9	Few Ast 0
Min	4.0	2.0	12/ 2 Ast WSW
Hum	80	55	1 Ast SW
Wind	E 6	NE 9	3/ 5 Ast SW
Temp	26.0	63.0	Few Ast SW
Barom	28.98	28.75	4/ 5 Ast SW
Barog	29.01	28.60	Few Ast SW
Prec	0	0	SR - clear SS - pt. cldy Mia - pt. cldy aur - none

* gnd = 1.0

	1	2	3	4	5	6	7	8	9	10	11	12
	E	E	E	E	E	E	E	E	E	E	NE	NE
	E	E	E	E	E	NE	NE	NE	NE	NE	NE	NE

Dec 8, 1928.

	8a	8p	8	
			10 st S	
dry	25.9	16.9		
met	24.9	16.9	¹⁰ 1 A w S 2 A st S 2 st w S 5 st S	
max	30.8	25.9		
min	23.9	16.6	¹² 1 A w S S W 3 A st S W	
sun	90	99	8 st S W	sun obs.
Wind	SE 4	NW 9	² 3 A w S W 4 A st S W 3 st S W	
Temp	37.0	67.0		
Hum	26.026	28.35 ¹⁴	¹⁴ 2 A w S W	
Baro	26.05	28.23	3 A st S W 5 st S W	h 4 S now at 8:00 PM stied cont, at 12 midnights
Pres	0	T _s	SK — cloudy SS — cloudy gite — cloudy aur — none	*"grd = 0.7

after the high temp. of yesterday, a general chilling of the air caused extensive cloudiness. Foggy clouds formed at 1:30 in the western sky but disappeared in about a half hour.

1	2	3	4	5	6	7	8	9	10	11	12
SE	SE	SE	SE	SE	SE	SE	SE	SE	S	SW	W
W	NW	NW	NW	NN	NW	NW	NW	NW	NW	NW	NW

Dec. 9, 1928.

	8a	8P	8	
Wxy	14.9	8.0	10	st Nb SW
Wet	4.9	6.7	10	1 A cu SW
max	16.9	17.8	9	st SW
Min	13.5	8.0	12	Fw A cu SW
Wun	100	78		2 A st SW
				2 st SW
Wind	NW 3	E 8	2	Fw A cu SW
Temp	42.0	64.0		3 A st SW
				1 st SW
Barom	28.398	28.592	4	1 cist W
Wxy	26.39	28.45		Fw A st SW

8a - Lt snow over at 8:35A

Sun-bright
2/3 above horizon.

There was light snow during the night, enough to make 0.3" on the grid but only a trace in precip. During the day there was a general clearing of the sky.

Hoar frost formed on SW side of objects

Top - 1PM - 12°
 Split R - 1:25P - 8°
 Slope - 1:35P - 11°
 Shore - 1:50P - 10°

T_s T_s SR — cloudy
 SS — clear
 * " grid 1.0 nite — clear
 air — Dim + to ESE — very small

	2	3	4	5	6	7	8	9	10	11	12
NW	NW	NW	NW	NW	NW	NW	NW	W SW	S	SE	
SE	SE	SE	SE	SE	SE	E	E	E ^{ESE}	NE	NE	NE

Dec. 10, 1928

8a	8p	8	few Ci	0
dry	3.1	7.0	few AST	0
met	3.0	6.9	$\frac{10}{9}$	cist wsw
max	8.0	7.0	few AST	0
min	3.1	2.8	$\frac{12}{9}$	cist wsw
sun	68	62	few AST	SW
Wind	NE 5	NE 6	$\frac{2}{9}$	cist wsw
Temp	13.0	63	few AST	SW
Barom	28.400	28.502	$\frac{9}{8}$	cist wsw
Humid	28.45	28.35	few AST	SW
Sea	0	0	SR	Cloudy
			CS	Cloudy
			Wite	Clear
			aur	faint in ESE



Sun rise 11:50
 set 12:20
 thru cist only half above horizon.

Cist was quite in evidence today; otherwise there was nothing outstanding. Temperature reached its lowest this morning after the max. of 38.9° three days ago. Altho the balloon reached 35 meters per sec. after a half hour in the air, the cirrus covering appeared nearly stationary.

*" qnd 28

	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	NE

Dec. 11, 1928

8a	8p	8				
Dry	7.8	4.4	1	AST	○	
Wet	6.1	2.6	10			
Max	8.4	7.8	1	AST NNW	○	
Min	6.7	4.2	13	cist	○	
	75	65	2	AST NNW	○	Sun obsc
Wind	NE 7	NE 4	2	cist	○	
	28.599	28.444	2	AST NNW	○	
Hum	19.0	67.0	4	cist	○	
	28.42	28.27	4	AST N	○	
P.Nc.	0	0		SE	—	near horizon
				CS	—	+ obsc
				Nite	—	clear
				Arrow	—	very faintly in E at 8P; at 8.30 brilliant from W to E in zenith

Clouds clung to the horizon all day, predominating in the north.

The fjord is still quite free from ice, only the small inlets (above the ~~ebb~~ flow of tide waters) along the shore retain ice. There have been some large "pans" but they soon disappear in the "warm" salt water. One large piece along the shore was fully two feet thick. Of course there is ice along the shore.

*gnd = 0.2

1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	NE

	A	P	8			
Dry	3.8	5.0	3	AST	0	
Wet	3.0	4.0	10.5 few	ci st AST	0	
Max	7.5	5.0				
Min	3.6	1.5	12 6 few	ci cu ci st AST	WSW WSW 0	
Hum	80	66	few few	AST st	0 fjord	
Wind	NE 4	NE 7	10	ci st	0	
Temp	24.5	67.0	few	st	fjord	
B ₁	28.490	28.400	4	ci st	0	
B ₂	28.49	28.23	few	st	fjord	
Precip	5	0				

Dec. 13, 1928

Few *DN.

The ci st of 12N was moving across from the west in two long narrow bands. By 2 P.M. these had disintegrated and the entire sky became covered with a thin layer of ci st.

On the trail today there was a temp range of 11°. Top IP 3°
 split rock - -3.0°
 slope - -8.0°
 shore - 0.0°

SR = } cloudy, however sun was below horizon
 SS = }
 nite - clear
 Aurora - began 5 P. faintly - zenith to east

*"gd = 0.1

1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE
NE	NE	NE	NE	N	N	NE	NE	NE	NE	NE	NE

Dec 14

	A	P	8
Dry	12.3	14.5	10 AST ESE
Wet	11.0	14.1	10 1 cist 0
Max	12.3	16.2	4 5 AST ESE
Min	6.8	11.5	4 ST ESE
Hum	50	63	12 few cist 0
Wind	NE 6	NW 6	9 few AST ESE
Temp	25.0	68.0	2 9 ST ESE
B _m	25.170	28.252	4 10 ST ESE



at 8A the sky was overcast with AST, only a streak of cloud less area was visible over the ice. By 10AM the AST had become ST in the SSW and by 12N the sky was nearly 10/10 ST. Only a small light area could be observed over the glaciers. The balloon showed the cloud base to be

m. & the vel. m. p.s.

SR - cloudy
 SS - cloudy
 nite - cloudy
 Aurora - none at 8P.

at 8:30 it could be seen faintly thru the AST? in the zenith.

*" grad 0.1

	1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NE	N	N	N	N	N	N	NW	NW	N	N	N	N

	A	P	8	5	cist	SSE	
Dry	11.8	14.8		4	AST	SSE	
Wet	11.5	14.5	10	1	cicu	SSE	
				4	cist	SSE	
Mat	18.0	19.6	few	4	LAST	0	
				4	AST	SSE	
Min	10.9	10.9	12	4	cist	SSE	
				few	cicu	"	
Hum	74	76	few	4	LAST	0	
				4	AST	SSE	
Wind	NW 2	NW 2	2	9	cist	SSE	
				few	LAST	0	
Temp	43	66					
Bim	28.158	28.300	4	9	cist	SSE	
Bq	28.10	28.10	few		LAST	0	
Tree	0	0					

Dec. 16

altho the sky was overcast there were indrafts of warm air at intervals during the day. No doubt the sun shining on the under side of the cloud layer was responsible for the max. about 2 P. The sun, while not visible here, did cast its rays on the summit of Pingo + the hills to the north. The day to us appeared as a noontime sunset.

*"grid T

SR — } none - cloudy
 SS — }
 nite — cloudy - cist
 Aurora — thru cist faintly, zenith; beg at 6:30

1	2	3	4	5	6	7	8	9	10	11	12
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
NE	NE	NE	NE	N	NW	NW	NW	W	S	E	NW

	A	P	8	Ast	S	
Dry	12.1	12.1	few	LAST	0	
Wet	12.1	12.1	10 5 few	cist AST	0 5	
Max	14.1	15.5	few	LAST	0	
Min	10.2	9.9	12 few	cist cist	SSW SSW	
Hum	98	100	3 few	AST LAST	SSW 0	
Wind	NW 5	S 4	2	few LAST	cist SSW	
Temp	35.5	67.0	9	AST	SSW	
Pain	7.912	28.260	4	AST	SSW	
Pog	29.90	28.11		FW LAST	SSW	
Prec	0	0				

nite - clear
aur - none



*gd T

Dec 18

The formation of frost today was quite heavy, having a resemblance of snow ^{freshly fallen} on the ground. Again the SW side of objects were covered, altho the size of the crystals was somewhat smaller than on previous occasions. Was this an example of snow without its falling from clouds? Water content roughly: 0.4" deposit on surfaces yielded 3.2 mm water

	1	2	3	4	5	6	7	8	9	10	11	12
NW	NW	NW	NW	NW	NW	NW	NW	NW	SW	SW	SW	SW
SW	SW	S	S	S	S	S	S	S	NE	NE	NE	NE

Dec 19

	A	P	B		
Dry	10.2	37.8	1	cist S	
Wet	10.2	35.4	10		
Max	14.3	47.0	6	cist SSE	
Min	8.7	10.2	12	few LAST ST	
Hum	98	58	9	cist SE	
Wind	NE 4	SE 36	2	few LAST ST	
Temp	32.0	64.0	9	few LAST ST	
Bar	27.970	27.699	4	10 cist SE	
Bar	27.94	27.65	10	few ST	
Pres	0	0			

Foehn today - Pressure fell from 28.15" midnite to 27.40" at 5 P.M. Wind was light NE till 3:30 P. then increased to max. of 54 m. p. h from SSE. No doubt the velocity of some of the gusts was much higher than this figure. There were a few LAST clouds in the east below the cist from 9:30 to 10:30 but none the remainder of the day.

*"grd=T

nite - cloudy
Aurora - none

	1	2	3	4	5	6	7	8	9	10	11	12
	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	NW	N
	NE	NE	NE	SE	SE (SSE)	SE (SSE)	SE (SSE)	SE	S	S	S	E

Dec 20

	A	P	8	few	ci st	5
Dry	25.0	19.8	few	ci st	0	
Wet	22.6	16.5	10			
Max	37.8	29.0	9	AST	5	
Min	25.0	19.8	12	9	AST	5
Hum	54	62				
Wind	E 10	SE 12	2	9	AST	5
Temp	36	67.0	few	ci st	0	
Bin	27.816	26.04	4			
Bq	27.80	27.99	9	AST	5	
Proc	0	0	few	ci st	0	






There was a sheet cloud over this region the entire day. (cloud base about 1400 m.) Only in the extreme southern part of the sky was there an opening in the cloud and thru this considerable light came from the sun which of course was below the horizon. a reflection on the clouds about 1:30 P produced a beautiful orange color. moon occasionally was hidden by thin AST which occurred in small patches.

* "gd" = T

nite - P+ cloudy
aurora - None

1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	E	E	E	E	E	E
E	E	SE	SE	SE	SE	SE	SE	E	E	E	E

	A	F	8			
Dry	16.5	15.9	3	Wst	SE	
Wet	16.0	15.9	10	AST	SE	chr. 1200M
Max	20.0	20.0	10	AST	SE	
Min	15.8	15.5	12	ST	SE	chr. 900M
Hum	64	100	10	ST	SE	
Wind	E 6	E 4	2			
Temp	32	71.0	10	STN	SE	chr. 0
Tom	28.048	26.152	4.2	Wst	SE	
Bq	2802	298	6	AST	SE	
Prc	0	Ts	2	ST	SE	

Dec. 21

Light snow began 1 PM, stopt at 3:38, began at 6:12P - cont PN

Again the sky was overcast the greater part of the day. That narrow streak of light again held forth in the SW even though light snow was falling here from clouds which came in from SE and which clung to the earth.

There seems to be a tendency toward nite time clearness and daytime cloudiness. These cloud sheets are very even so it is impossible to get an idea of speed or direction.

Nite - St. Cloudy Trace Snow
 Aurora - Dim ENE
 moon - visible through thin AST and STN

☐ - 9:30 - 10:30

1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	E	E	E	E	E	E
E	E	E	E	E	E	E	E	E	NE	NE	NE

*"grd 0.1

Dec. 22

Snow of last nite stopped about 11:00 AM. Humidity remained high, however, and when the air was cooled sufficiently more of the vapor condensed and fell as snow. This began about 11:10 P and continued into the nite. Again, this so called snow is not the same as what falls in the U.S. Here it takes the form of semi-hard pellets, possibly one millimeter in diameter. Exposed objects like guy wires finally resembled huge ropes after they had received an accumulation of frost and some snow. Measurement showed the wire to be slightly more than 0.1" in diameter and the frost deposit 1.2". On the ground 0.7" (4 PM, figured + still snowing)

	A	P	8	few	cist	0	
Dry	11.3	7.8		few	cist	0	
Wet	11.3	7.8	10	few	cist	0	
				few	AST	0	
Max	16.4	15.3		few	st	0	
Min	11.1	7.5	12	2 cist		0	
				Few liq		0	
Hum	99	100		2 AST	NE		
				Few A	W	NE	
Wind	NE 4	NW 4		2 Few cist		0	
				3 AST	NE		
				6 st	E		
Temp	30	67.5					
				4 F	W	ST	0
Rm	27.978	27.688		3	A	ST	E
				5	ST	E	
Rg	27.96	27.55					
Pres	Ts	Ts		NITE	—	snowing	
				AURORA	—	None	

*"gd = 0.7

	1	2	3	4	5	6	7	8	9	10	11	12
NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
N	NW	NW	W	W	SW	W	NW	NW	N	N	NW	

	A	P	8		aur-zuth
Dry	4.4	3.0	1	cist	0
Wet	4.4	2.5	10		
Max	6.1	4.4	1	cist	0
Min	3.7	1.7	12		
Hum	95	76	1	cist	0 ← from balloon
Wind	SE 4	E 8 ²			
Temp	21.5	67.5	1	cist	0
Bm	27.844	27.980	4		
Bq	21.85	21.77	1	cist	0
Prec	0	0			



Dec. 24

Barometers quite low but weather clear and cold. Wind east most of the day brot a lowering of temp. and humidity

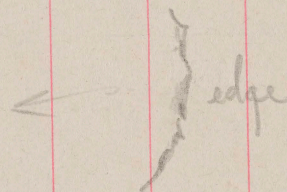
nite - cloudy

Aur - in S faintly 6:30 - faintly zenith at 8 P - Dimmed by moon

Moon - nearly full ☽ - 6:45 - DN -

	1	2	3	4	5	6	7	8	9	10	11	12
	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	E	E
	E	E	E	E	E	E	E	E	E	E	E	E

*"pd = 0.5



edge

8:30

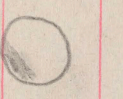
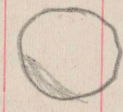
moon

○ = crater

• = bright spots in dark areas

	A	P	8		
Dry	-0.5	2.9	few	cist	SW
Wet	-1.5	2.8	10		
Max	3.0	2.9	few	cist	SW
Min	-1.0	-1.0	12		
Hum	65	50	2	cist	SW
Wind	E 10	NE 8	2	AST	SW
Temp	8	61.5	2	cist	SW
Bm	27.76	27.852	4		
Bg	27.67	27.67	3	cist	SW
Pruc	0	0			

nearly stationary in SW



Dec. 25

Balloon run 45 min. Its course was over more than 180° from east starting direction, going out over the ice via the north.

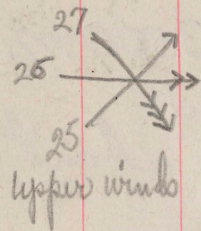
Moon remained visible all during the day, reaching just to the northern horizon at 1 P.M. at nite its light is very bright owing to the clear air and snow cover. Low humidity today.

nite - Partly cloudy - 5/10 cist ← (having come in from SW).
Aur - none at 8 P

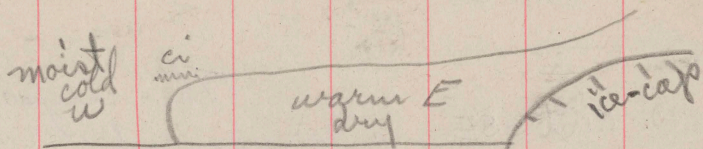
Moon - full - ☽ - 6:30 - 7:45 P

Pressure continues below 28.00"

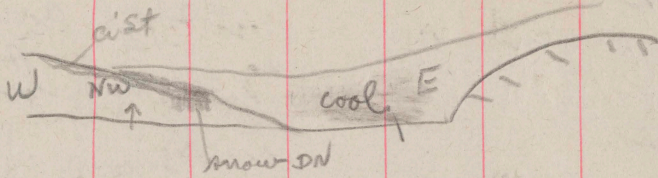
1	2	3	4	5	6	7	8	9	10	11	12
E	E	E	E	E	E	E	E	E	E	E	E
NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E



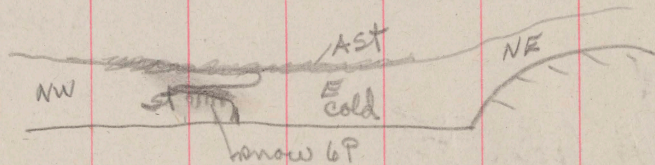
Dec. 25

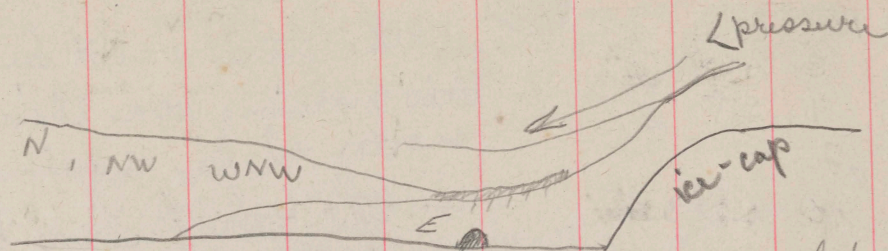


Dec. 26



Dec. 27





* because WNW being raised

Tomorrow should bring a clearing

min. came at noon with E wind.
E wind very shallow.

Dec. 28

The 2.8" of snow which fell last nite now gives an average depth of 3.5" on the ground. Today there was only a light flurry, occasionally. However, about 7:00 PM the flakes became more numerous and prospects are now, that there will be a considerable accumulation by morning. Pressure is rising slowly.

	A	P	8		
Dry	80	10.8	10	st	WNW
Wet	8.0	10.8	10		
Max	10.0	10.8	10	st	WNW
Min	5.9	5.6	12		
Hum	100	100	10	st	WNW
Wind	E 8	S 6	2	AST	WNW
Temp	29.0	66.0	7	st	WNW
Bis	27.83	28.280	4		
Bq	27.80	28.08	10	st	WNW
Pres	S	Ts			



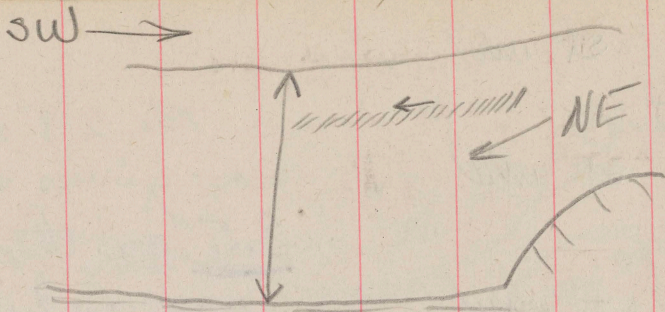
2.0mm
2.8" on grd.
*1" grd = 3.5

nite - cloudy (st nt)
Aur - none
moon - obsc

	1	2	3	4	5	6	7	8	9	10	11	12
NW	NW	NW	NW	E	E	E	E	E	SE	E	E	
E	E	E	E	E	SE	SE	S	S	S	S	S	

Temp. above and in snow.

1. Air -- four feet above *, 11.8°
2. One inch above *, 11.4°
3. Under one inch *, 10.7°
4. On surface of grd. under
five inches *, 11.2°



Evidently the thickness of the cold wind from off the ice increased and caused a rise in pressure. Our balloon was carried along by an easterly wind for approx. ten minutes before it reached the SW counter current.

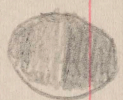
The water content of today's snow was 1.39mm per inch
Temp. under snow cover at the lake

1. 18.5° - under crust in contact with ground and ice
 2. 23.0° - " " " center of lake.
- air temp. 11.2°

A P 8
 Day 13.2 4.2 10 ST (A) NW - slow - alt. 300 m. av.

Dec. 29

Wet 13.2 4.0 10 5 AST NW
 May 15.2 13.2 5 ST NW



near near horizon

Min 10.8 4.2 12 3 AST E
 Hum 76 75 7 ST E

Wind W 6 N 4 2 6 AST E
 Temp 36.0 61.0 4 ST E

Bim 28.56 28.83 4 6 AST E thin
 Bg 28.70 28.67 4 ST E



Prec S Ts 5 3 AST E



nite -
 Aur - Began - 5 P faintly zenith.
 Moon -

12 mm
 1" on grd
 total on grd 4 1/2" - lake measurement,
 *"grd = 4.2

There were occasional snow flurries until about noon. During the greater part of the morning the cloud movement was NW but about eleven o'clock there came a shift in direction to E. at no time were the clouds very dense altho the sky cover was quite continuous. after four o'clock there was a rapid disintegration, so that by six o'clock the sky was practically cloudless.

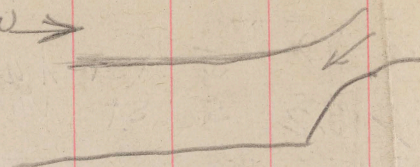
	1	2	3	4	5	6	7	8	9	10	11	12
S	S	W	W	W	W	W	W	W	W	W	N	NE
NE	NE	NE	NE	NE	NE	NE	NE	N	N	N	N	N

Dec 30

Dry	-0.4	2.8	5	10	ci st SW
Wet	-0.4	2.6			
Max	4.2	2.8	10	10	ci st SW
Min	-2.3	-0.4			
Hum	75	75	12	10	ci st SW
Wind	E 4	N 6			
Temp	26	58.5	2	9	ci st SW
Bm	28.450	28.232		1	As t SW
Bg	28.45	28.10		4	ci st SW
Pre	0	0		few	As t SW

continuous sheet clouds

SW →



Pressure is falling again probably being due to indraft of SW air aloft. Humidity also decreased to some extent



800

* grad = 4.0

site - cloudy (ci st)
 Aur. - faintly in south
 Moon - ☾ 12M → ☽ N.

1	2	3	4	5	6	7	8	9	10	11	12
N	E	E	E	E	E	E	E	E	E	E	E
E	E	NE	NE	NE	N	N	N	N	N	N	N

