

No. 4

Weather

Stenographer



From January 1929

To March 1929

Riverside Line

No. 2708

January 1st, 1929

	A	P	8	
Dry	13.1	7.1	10	st (alt) N
Wet	13.1	7.1	10	
Max	14.3	15.4	10	st (nb) N
Min	11.9	7.1	12	
Hum	100	100	10	st (NB) N
Wind	NE 12	NW 11	2	
Temp	28.5	54.5	10	st (NB) N
Pain	27.728	27.894	4	2 ci st N 6 st N
B'g	27.70	27.70	1	Fw Ast N 1 stnt N

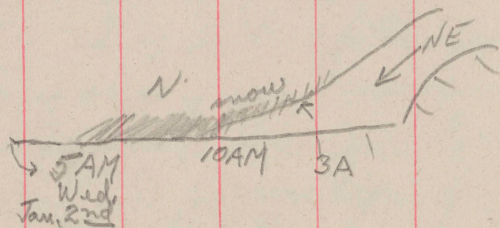
Light snow flurries all day until about 10 P.M.

Snow which blew down from off the hills was enough to cause the fjord to freeze over. Only two small areas transverse to the fjord remained open.



Prec. T_s T_s
 *fall 0.4
 *gnd = 4.0"

rite — Snow
 aurora — none



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

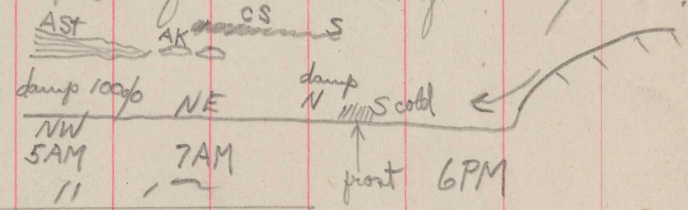
Jan. 2, 1929

	A	P	8	5	Acu	E	
Day	5.8	0.1	5	5	AST	E	
Wet	5.8	0.1	10	4	cist	O	
				2	Acu	E	
Max	7.1	10.9		4	AST	E	
Min	5.8	0.1	12	8	cist	S	
				1	AST	S	
Hum	100	100		Few	St	fixed	
Wind	NE 1	W 2		8	cist	S	
				Few	Acu	S	
Temp	33.5	67.0		1	AST	S	
Bin	28.05 ²	28.12 ⁴		7	cist	S	
				Few	AST	S	
Biq	28.01	27.99		2	ST	S	

The snow of yesterday stopped during the night and this gave the wind free play at building drifts. Some of these were as much as two feet deep. The 0.9 mm is not an accurate measure because of blowing + drifting. It probably is not a high enough figure.

The ST of late afternoon was only temporary for a evening came on it disappeared. However it was not without its formation of hoar frost.

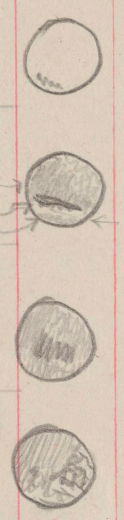
Prec S 0
0.9 mm approx.
1" fall - estimated
Total on grd. (avr. depth) - five inches.



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

	A	P	4	
Dry	-7.8	-0.4	10	cist S
Wet	-7.8	-0.4	10	
Max	0.1	3.1	9	cist S few AST S
Min	-9.2	-7.8	12	Few cist S 8 cist S 2 AST S
Hum	100	100		
Wind	N 10	N 4	2	8 cist S 2 AST S
Temp	28	57.5		
Bm	27.914	27.822	4	2 cist S 1 cist S 1 AST S
B _g	27.87	11.15		
Pre	0	0		

JAN. 3



Pressure is low again and there is our familiar cist in large amounts. Coldest temp. of year, ^{thus far,} at eight this morning. There was some indication of clearing during early afternoon but the cist stayed on.

Nite - Clear
Aurora - thin over S horizon

*l'gd = 4.2

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

	A	P	9	
Dry	-0.1	-3.5	10	AST SW
Wet	-0.1	-3.5	10	
Max	5.5	2.9	10	AST SW
Min	-0.2	-3.5	12	
Hum	99	99	10	AST SW
Wind	NW 5	E 11	2	
Temp	30.5	62.0	10	Str (NB) SW
B ₁₀	28.1 ⁰⁰	28.3 ⁵⁰	4	
B ₉	28.0 ⁸	28.2 ¹	10	AST SW
Prec	Ts	Ts		

NITE clear
A U R O R A none

*gd = 3.6

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

Jan. 5

There was a trace of *DN and also from 11:32 AM to 2:59 PM. The cloud layer was very continuous and without undulations during the entire day. Only about four o'clock was there a slight break in the cloud sheet and this occurred in the SW.

(WSW)
A star on the horizon gave forth a brilliant green, then red, then orange for periods of approx. ten seconds between intervals of white light. This was probably due to refraction.

Dry	-4.5	-4.8	8/10	AST	N	
Wet	4.8	-4.8	10	AST	N	
Max	-3.5	-1.0	12			
Min	-9.6	-9.1	7	ci st	N	
Hum	86	99	2	AST	N	
			1	ST	N	
Wind	NW 2	NE 6	3	ci st	N	
Temp	24.0	64.0	4	AST	N	
			1	ST	N	
B _m	28.340	28.340	4	ci st	N	
				AST	N	
B _s	28.34	28.22		ST	N	
Pres	0	0				

note - Cloudy (Probably ST)
aurora - none

*"gid = 2.5

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

EIE

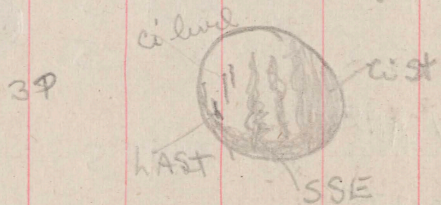
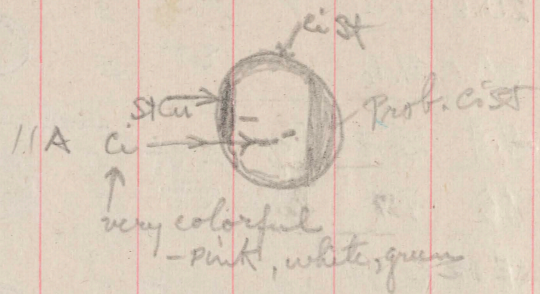
Jan 6

at noon today the sun made its first appearance of the new year. Even tho the entire disk was above the horizon the rays were dimmed by ci st which lay in the south.

The ci st which was overhead during the greater part of the day was very evenly distributed, forming a continuous sheet.

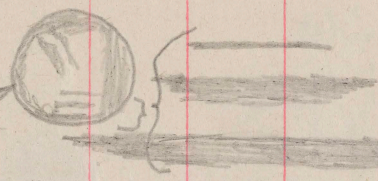
Sunset brick red in color.

Temp. air -5.0
 " 1" above snow -5.2
 " under 6" snow - five above zero.
 ↓
 in drift



	A	P	8	ci	st	SE
Dry	22.0	20.2	few	LAST	SE	
Wet	21.5	18.6	10 few	ci	SE	
May	24.1	24.4	few	ci	E	
Min	19.7	20.0	12 3	LAST	SE	
Hum	62	60	few	ci	SE	
Wind	SE 12	E 7	5	LAST	SE	
Temp	34.5	60.0	few	ci	SE	
B _m	28.05	28.22	4 3	LAST	SE	
B _g	28.00	28.11	1	LAST	S	
Prec	0	0	few	st cu	S	

Jan. 9



Sunrise was clear for the first time this year. More than this ^{the sun} rose well above the horizon before clouds obscured it.

The wind continued strong DN and abated about noon. LAST clouds were present during the entire day.

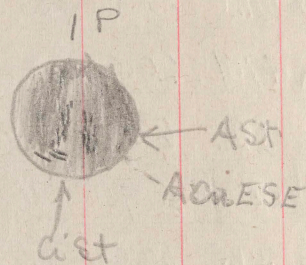
Balloon went 16,000 m. in south wind.

at ci level
in west → east + W,
← nephoscope
2.5 cm in 30 sec.
dir. S

*grid = 0.1

aur - glow in east
nite - Pt. cloudy
Sunrise - clear - 11:45 AM
Sunset - cloudy

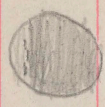
1	2	3	4	5	6	7	8	9	10	11	12
SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S
SE	SE	S	SE	SE	E	E	E	E	SE	SE	E



H = ACW
= LAST

Cist = 7/10
AST = 5/10
ACW = 2/10
LAST = fur

	A	P	2	ci st	0
Dry	17.9	15.0	8	AST	SSE
Wet	16.3	14.8	10		
Max	20.2	17.9	2	ci st	0
			7	AST	SSE
Min	17.4	14.0	12	ci st	0
			8	AST	SSE
Hum	67	92	few	LAST	0
Wind	NE → SW	7	2	ci st	0
			8	AST	SSE
Temp	33	71	few	LAST	0
B _m	28.450	28.500	4		
			10	AST	SSE
B _g	28.40	28.31			
Prec	0	0			



Jan. 10

Wind was light and variable today; aloft it was south and south southeast. Max. velocity aloft 20.4 m.p.s. in AST at 3150 m.

Again the AST was quite regular, scarcely a break occurring (except at one PM) over its entire surface.

Most of the day there was a small amount of ci st, showing itself in the SW.

More snow has evaporated making the amount of rock surface exposed greater than that of the snow.

note - PT cloudy
 air - zenith-glow faint
 sun - obsc

* qd = 0.1

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

	A	P	⁸			
Dry	10.2	8.4	few	AST	S	
Wet	10.2	7.4	¹⁰ 3	cist	S	
Max	15.0	10.2	few	AST	WSW	
Min	10.0	4.8	¹² 8	cist	SW	
Hum	99	67	1	AST	WSW	
Wind	NE 5	NE 8	² 9	cist	SW	
Temp	33	62.5	1	AST	WSW	
B _m	28.918	28.822	⁴ 10	cist	SW	
B _g	28.89	28.66				
Prec	T _s	0				

*'ged = 0.1

nite - Pt. Cloudy
 aur - none
 Sun - Three cist

Jan. 11

Cist predominated today, there was not much else to record. a quite low humidity continued the work of evaporating the snow.

There was a trace of snow during the night.

It was impossible to detect any movement inward of the cist between the hours of ten and twelve. It just appeared to be forming over this region. About three o'clock it was possible to see a slight movement from the SW.

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

	A	P	3	CST	0
Dry	32.1	42.3	7	AST	SSE
Wet	30.7	37.6	10	CST	0
			9	AST	SSE
Max	37.4	45.5			
Min	27.4	28.1	12		
			9	AST	SSE
Hum	80	71		few LAST	SSE
Wind	SE 13	SE 30	2	9 AST	SSE
				few LAST	SSE
Temp	44.0	62.0			
P _{10m}	28.744	28.456	4	9 AST	SSE
P ₉	28.71	28.30		few LAST	SSE



altitude 2500m (approx)
vel. 18m.p.s.



lowest AST
higher AST

Jan. 13, 1929



Although the ^{SE}wind was not excessive rarely reaching 36 m.p.h. it gave us a max. temp. of 45.5

Clouds were AST with a few LAST. a few drops of rain fell at 2.30 P.

Pressure began to fall slowly from 28.71" at eight AM when the increase in temp. came.

Last night at ten the temp. rose to 37.4° then fell again after midnight.

Water from the melting snow is standing in the low places, and much of the snow has disappeared.

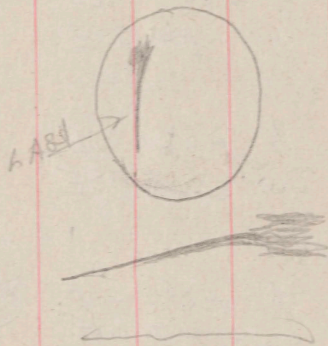
nite-cloudy
aur-none
Sun-obsc

*"grd=T

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

SSE

about two PM



most of HAST were single formations

	A	P	8	3	ci	S		
Dry	40.0	23.1	7	7	AST	S		
Wet	36.4	23.1	10	2	ci	S		
				few	LAST	S		
Max	49.8	40.0	7	7	AST	S		
				few	ST	SW		
Min	39.1	23.1	12	1	ci	S		
				3	A	cu	S	
				4	A	ST	S	
Hum	80	100	7	4	LAST	S		
				1	ST	SW		
Wind	SE 11	NW 12	2	2	ci	S		
				3	A	cu	S	
Temp	57	68.5	7	2	LAST	S		
				2	ST	SW		
P'm	28.490	29.068	4	4	ci	S		
				3	A	cu	S	
				2	A	ST	S	
T'sg	28.42	28.88	7	4	LAST	S		

Jan. 14



Although the stars were shining at three this morning the sky had become overcast by daybreak.

The wind was light today after last night's 54 m.p.h.

h A ST clouds formed and dissipated throughout the day in the east, south and west.

Temperature began to slide downward as the pressure rose during the day.

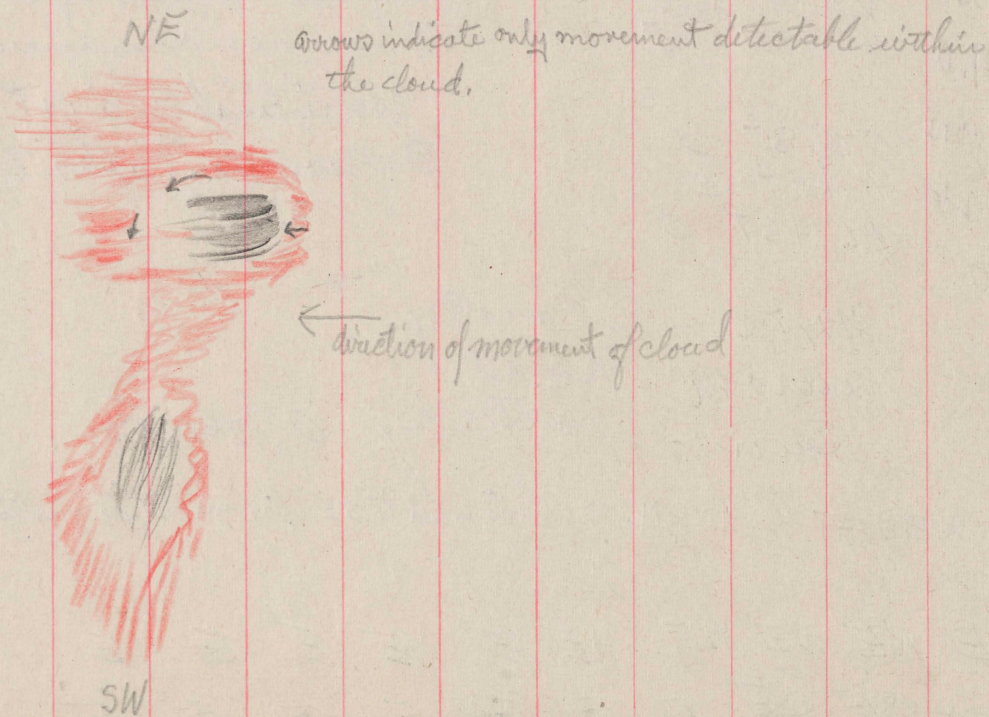
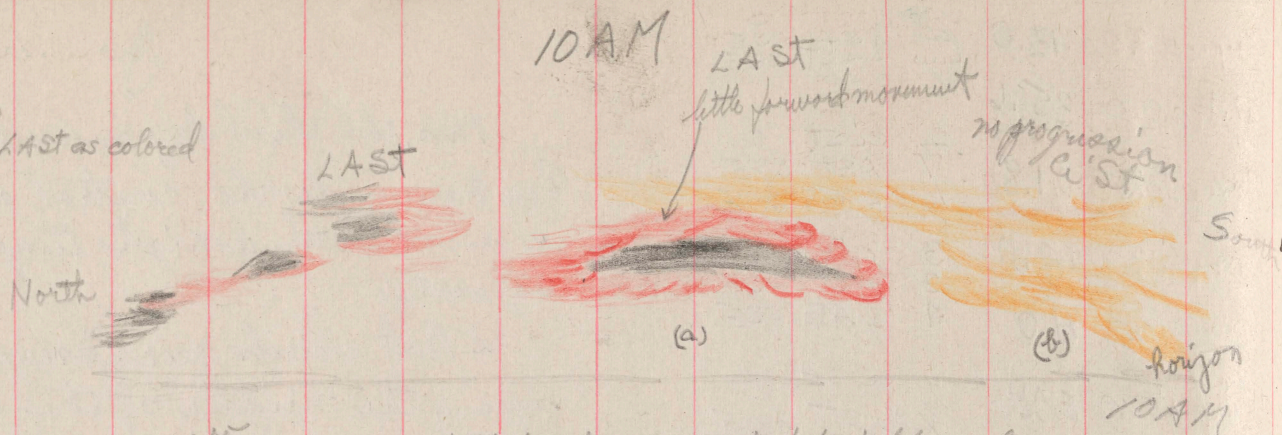
Prec 0 0

nite - pt. cloudy
 Aus - none
 Sun - obscured

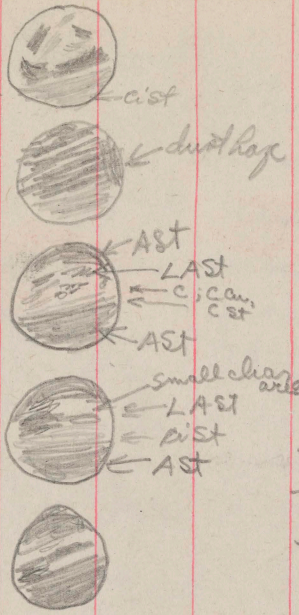
*"gd=T

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

Black = raised center
Red = outer edge of LAST as colored
by sunrise



	A	P	8	ci	0	
Day	33.8	37.1	3	ci st SSE LAST SSE		
Wat	31.7	29.6	10	ci	0	
Max	43.0	39.5	3	ci st LAST SSE		
Min	38.0	37.1	5	LAST SSE		
Hum	40	34	12	ci	0	
			1	ci st LAST SSE		
Wind	SE 24	E 38	2	ci st ci st SSE	0	
			1	A ci	SSE	
Temp	45.0	55.5	3	LAST SSE		
			4	A st SSE		
Dir	28.328	28.300	7	WV st ci	0	
Dir	28.24	28.21	2	ci st	0	
			1	ci st SSE		
Proc	0	0	5	A st SSE		
			7	ci st SSE		



Jan. 16

altho the temp. did not rise as high as it did yesterday the wind continued to be high. A striking fact about the wind seems to be its periodicity and gustiness. It will be interesting to discover what the interval is between the blows. Tho the anemometer registers 48 m. p. h. for 5 min period, this time does not represent a continuous wind of this force, but rather several gusts of rather frequent occurrence.

In sketch (a) is LAST with ci st to S. Then ci st by noon became AST + all LAST had moved into N half of sky. No more LAST developed in S half after that time. An area more or less clear stood out for a time in the NE part of the sky, not far from zenith.

For the first time this year, ^{at 24} there was sufficient light for one to be able to see the thermometers shelter from the house.

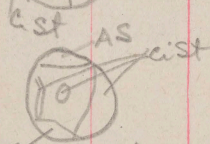
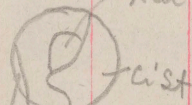
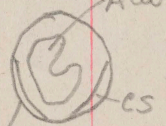
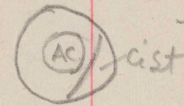
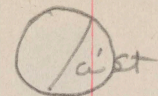
* "grid" T

Nite - cloudy
Aurora - None
Sun - partially obscured.
More dust in air today than yesterday - vis. to E fair at 2 mi.

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

Jan. 17

	A	P	9	5	ci st 0
Dry	31.0	27.8	5	5	AST SE
Wet	28.2	23.4	10	5	ci st 0
Max	37.1	31.8	4	4	ACU SE AST SE
Min	31.8	27.5	12	2	ci st 0
Hum	56	46		6	ACU SE 2 AST SE
Wind	E 12	E 12	2	5	ci st 0
Temp	38.0	02.5		4	ACU SE 1 AST SE
B _{ms}	28.252	28.104	4	3	ci st 0
B _g	28.18	27.96		6	ACU SE 1 AST SE
Prec.	0	0			



This afternoon I spent two hours out of doors without wearing a coat.

Godhavn radio says there is little snow at that place; moreover the grass is beginning to turn green. At the other extreme is Denmark which is having one of the biggest snows in many years. There, trains are unable to move, Pressure falling slightly.

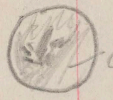
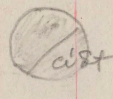
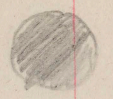
*"gnd=T

Sun - partially obscured
 aurora - none
 mite - pt. cloudy

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	NE	N	NE	NE	E	E	SE	SE	SE	SE

Jan. 18

	A	P	8	4	6	0
Dry	28.4	27.0	4	AST	0	SSE
Wet	23.0	21.8	10	4	AST	0
Max	32.0	32.5	6	AST	0	SSE
Min	26.2	24.1	12	5	AST	0
Hum	38	38	2	2	AST	0
Wind	SE 18	SE 12	2	5	AST	0
Temp	35.0	01.0	3	1	AST	0
P _m	27.998	28.100	4	6	AST	0
P _g	27.74	27.97	1	1	AST	0
Prec	0	0				



Sun - obscured
 Mte - partly cloudy
 Aur - none
 Moon - three thin AST - W

*grd = T

a check up on the wind of yesterday and early today shows two periods of high winds which occurred at about two hour intervals. clouds were at much higher altitudes today than at any time during our windy period of the last few days.

Dust in the air at 4 PM limited visibility to one and a half miles in a direction toward the ice.

There appears to be no relation between the presence of LAST anywhere near the zenith and the time of arrival of wind. The presence of clouds brings wind; seems to be the only association I can make.

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

	A.	F	5	2	cist	0	
Dry	8.8	8.1					
Wet	8.0	6.1	10	4	cist	0	
Max	14.2	11.1					
Min	8.8	8.0	124	4	Haze + dust	very high	
				2	cist	0	
Hum	55	55			Few	0	
Wind	E	NET	2	4	haze		
				2	cist	0	
Temp	32.5	7.0					
B'm	28.062	28.08	4		few	cist	0
B'g	28.04	27.98					
Prec	0	0					

sunrise 10:50
sunset 2:30

Sea - Bright
Mte. - Bright
Aurora - None

*"grad" = T

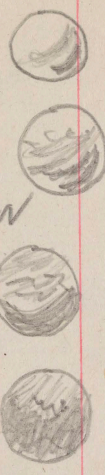
Jan 20

Another fine day, only the dust kept it from being perfect.

to NW + back via S, 30 min to complete the circuit

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	NE	NE	NE	NE	NE

A P 8 3 ci 8t SE
 2 4 8t SE
 23.5 39.0
 10 2 ci 8t SE
 2 LAST SE
 2 AST SE
 2 Dust haze ESN
 23.5 39.0
 12 fur ci 8t S
 13 LAST S
 6 AST S
 6 dust
 23.5
 2 2 ci 8t S
 7 AST S
 fur LAST S
 dust
 40
 Wind E 15 SE 13
 26.0 66.5
 4 10 AST S
 dust
 27.86 27.002
 27.86 27.84
 0 0



Jan. 21

clouds today became increasingly lower and more dense, as foggy conditions developed, altho the wind was never exceptionally strong it raised the temperature as well as considerable dust.
 Julianehaab reported the wind as being unusually strong there during last nite.

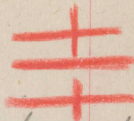
Snow seems exceedingly dry; just as sand when one walks thru it.

sunrise - 10:47 - cloudy - SSE
 sunset - cloudy
 nite - cloudy
 air - none

*"grid" = T

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

Jan. 22



	A	P	8	5	cist	0	
Dry	42.1	48.2		few	LAST	0	
			10	1	Dust haze	SSE	
Wet	33.0	37.0		4	cist	0	
Max	48.0	51.0		1	AST	SSE	
					Dust haze		
Min	39.0	42.1	12	1	cic	0	
Hum	36	36		7	cist	prob. SSE	
					Dust haze		
Wind	SE 36	S 20	2	5	cist	0	
Temp	48.0	67.5		4	AST	SSE	
					Dust haze		
Bm	28.700	28.320	4	2/5	cist	0	
					AST	SSE	
				1	LAST	SSE	
Bq	28.10	28.24		2	mag. AST	SSE	
					Dust haze		
Prec	0	0					

Sometime during the night the wind blew down our radio mast. Could it be from the same disturbance which wrecked Julian's antenna system?

The foehn wind which brought us a temp. of 51° reached a velocity of 82 m.p.h. This was for one mile of wind; evidently the gusts went much higher.

It is practically impossible to detect any movement in the ci clouds. It seems to be a matter of formation then a gradual downward movement to form a heavy layer of AST.

Ice in pans turned to water during the nite.

Intervals of high wind seem roughly to be about six hours apart; they come ^{stop} suddenly.

Sun - thru cist
Moon - obsc
Aur - none
nite. cloudy (LAST AST 10/10) ^{South}

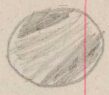
*"glat

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

by observation
↓

SSE

	A	F	6	AST	0
Dry	43.4	41.9	3	AST	SSE
Wet	35.0	33.2	10	AST	0
May	50.1	46.5	8	AST	SSE
Min	43.0	41.9	12	AST	SSE
Hum	35	38	9	AST	SSE
Wind	E 28	SE 24	2	AST	SSE
Temp	49.0	61.0	9	AST	0
Pom	28.622	28.624	4	AST	SSE
Bq	28.52	28.46	9	AST	SSE
Prec	0	0			



Jan. 23



Shortly before midnight and about three AM wind increased to about forty miles an hour. During this time the temperature rose to 50.1°. During the day st cu made this appearance in the SE along the horizon. Some built up to the AST level but did not long continue.

The balloon showed most of the wind to be quite near the surface, hence we contemplated an early cessation of this blowing we have been having.

Sun obsc
 nite - cloudy
 Aur - none
 Moon - thru AST (full moon)

*"gd" = T

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

60 mph. for one mile

Jan, 24

11

	A	P	8	2	CIST	0	LAST
Dry	40.2	48.0		4	LAST	SSE	
Wet	31.6	37.6	10	5	CIST	0	
				4	LAST	SSE	
Max	44.8	51.0		1	AST	SSE	
min	40.2	40.2	12	5	CIST	0	
				2	AST	SSE	
Hum	35	36		3	LAST	SSE	
Wind	SE 12	SE 14	2	1	CIST	0	
				5	AST	SSE	
Temp	46.5	67.5		4	LAST	SSE	
Tom	28.802	26.870	4	1	CIST	0	
				5	AST	SSE	
Big	28.70	26.66		4	LAST	SSE	
Pre	0	0					

Wind at 1:34 AM for one minute reached 100 m.p.h. Thereafter until 2:30 several minutes were clocked in the 80's and 90's. Between 1 AM and 2:30 there were about six periods of extra strong wind, coming at intervals of about 15 min.

Pressure fell to its lowest (28.10) at 1:40, coincident with the greatest wind velocity.

Today's balloon showed wind velocity of 106 m.p.h. at about 2,000 m. Direction was SSE, just above this was a wedge of SSW wind at 6 m.p.s. Then above this was more SSE wind at 30 m.p.s.

LAST clouds were prominent today, all clouds showed scarcely any movement, all ice blown out of other arm of fjord. Water on top of ice in our branch.

nite - cloudy 4 LAST 6 AST
 Aur - none
 Moon - obs
 Sun - Partially obs.

* "gid" = T

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

Jan 126

	A	P	8	6'	ci cist	NE		AST
Dry	33.8	31.9		2	AST	ESE		AST
Wet	28.0	26.2	10	2	ci	NE		
				4	ci	NE		
Max	37.0	33.8		11	AST	ESE		AST
Min	32.4	31.8	12	1	ci	NNW		ci
				1	ci	NNW		ci
				2	ci	NNW		ci
Hum	36	45		2	Acu	N		Acu
Wind	E-2	SW 3		2	ci	N		
				2	cist	N		
Temp	44.0	70.0		3	Acu	N		Acu
B _m	28.964	29.098	4	2	ci	N		ci
				3	cist	N		ci
B _g	28.93	28.90		3	Acu	NNE		Acu
								cist

With pressure remaining high the day was quite pleasant, cist tails came down to form Acu after noon. Humidity began to rise during early evening.

nite - cloudy 10% Acu
Sun - Partially obsc
Moon - thru Acu openings
Aur - none

Prec 0 0
* Trace

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

	A	P			
Dry	25.3	17.7	8	few cist	0
Wet	23.8	17.5	10		
Max	31.9	25.3		few cist	0
Min	25.3	15.2	12		
Hum	56	98		few Acu	0
Wind	NE 1	NE 1	2		
Temp	44	65.0		few Acu	0
Brr	29.0 ⁴⁰	29.0 ⁴⁰	4		
TBq	28.95	28.90		few Acu	0
Prec	0	0			

Jan. 27

A very fine clear day, the best thus far this year. Wind was light and pressure was high.

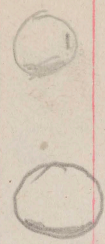
In the evening a chill fog formed over the Botany Lake region, beginning about 6:30 and continuing until 10:30 when it condensed. There was a formation of frost here.

Sunrise - 10:15 clear
 Sunset - 3:25 clear
 Moon - Bright
 Aur - none
 Nite - clear

*trace

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

	A	P	8
Day	19.0	6.9	few AST few LAST 0
Wet	18.0	5.8	10 few AST 0
Max	19.8	19.8	
Min	11.2	6.7	12 few AST 0
Hum	68	51	
Wind	N12	N12	2 few AST 0
Temp	27.5	62.5	
Toms	29.000	28.896	4 few AST 0
B'g	28.95	28.75	
Prec	0	0	



Jan 28

although the sky was practically cloudless the rather brisk wind picked up considerable dust making what would have otherwise been a splendid day, one which was quite disagreeable.

Most of the dust comes from the mud flats at the ends of the arms of the fjord. The dust is plentiful enough so that a finger mark can be easily seen on an object exposed to the air for one hour.

First indication of noon-time rise in temp today. For the next six days the heat from the sun shows itself on the thermograph trace.

Mite - clear
Sun - Bright - then dust haze SR ~~10:10~~
Aurora - slim - Over S Horizon

trace

	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	NE	N	IN	N	N	NNE N	NE	NE

Jan 29

	A	P	8			
Dry	17.8	14.9	few AST LAST 0	0		
Wet	15.2	11.6	few AST LAST 0	0		
Max	20.4	22.0	few AST LAST 0	0		
Min	4.4	13.5	few AST LAST SE	SE		new
Hum	36	38				AST
Wind	SE 40	NE 12	few AST LAST SE	SE		
Temp	27.0	62.5	" AST	SE		
Bim	28.910	29.112	3 AST	0		
B9	28.90	29.03	few AST	SE		
Prec	0	0				

What was the cause of the fog in early morning? Pressure has been high the past forty eight hours, a condition which would tend to retard the movement of air into this region. The only possible causes might have been one or more of the following: (1) Low in Davis Strait, (2) Presence of moisture laden air here and to the west (a development of past two days) and, (3) a last stroke of the great wind of several days back.

Wind which reached about 60 m.p.h. picked up much dust, which remained suspended in the air throughout the day.
10:10 - 3:30

Note - clear sun - Thick dust haze
Aurora - None

*trace

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

Jan. 31, 1929

a clear sky at eight gradually became overcast, as the day progressed.

The st. moved in from Puigo in approx. two hours.

	A	P	8			
Dry	9.0	6.5	0	0	0	
Wet	6.8	5.4	10	2	ci st W	(11)
Max	9.0	9.0				
Min	3.1	5.4	12	Few	ci st W	(11)
				"	A st W	(11)
Hum	52	63		1	st WNW	(11)
Wind	N 1	E 8	2	Few	ci st W	(11)
				2	A st W	(11)
				2	st WNW	(11)
Temp	32.0	65.0				
Tom	28.500	28.466	4	5	A st WNW	(11)
				5	st WNW	(11)
Piq	28.48	28.30				
Prec	0	Ts		Few	F extra snow	3:26 P.M.

Nite - cloudy

Sun - clear sunrise 10:06 - sunset cloudy

Aurora - none at 8P - but it came on about 9:15, in the southwest to SE sky, in streamers, 9.4

*trace

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

Feb. 1, 1929

Light snow fell all day,
excepting one hour at four P.M.,
when there was a slight clearing.

* DN. - 3:51 P; 4:55 - 2 AM

Day	A 9.0	P 9.1	10 st NB Snow	W
Wst	9.8	9.1		
May	9.0	11.0	10 st NB Snow	W
Wht	6.2	7.8		
Hum	84	100	10 st NB snow	W
Wind	S 1	E 3		
Temp	25.5	41.0	10 st NB Snow	W
Bm	28.332	28.246	3 A cu W 2 A st W	
Bq	28.25	28.12	4 st W	



Free Ts Snow
Sun - Obscured
nite - Cloudy
aurora - None

* grad. T

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

Feb. 2

Snow stopped DN.
 A weakly developed foehn
 came on about 8 AM, swept
 away about half of the night's
 snowfall, raised the temp. and
 then petered out. This wind
 may have been due to latent heat
 or moisture in air.

	A	P	8	7	AST	SSE	☹
Dry	17.4	11.9	2	2	LAST	SSE	
			1	1	ST	SE	
			10	8	AST	SSE	☹
Wet	16.4	11.9	2	2	LAST	SSE	
Max	17.4	18.7	12	9	AST	SSE	☹
Min	6.5	11.9	2	2	LAST	SSE	
			1	1	FW	ST SE	
Hum	78	100					☹
Wind	SE 13	NW 6	2	7	AST	SSE	
			1	2	LAST	SSE	
Temp	27.0	69.0		1	ST	SE	☹
Pom	28.020	28.168	4		FW	LIST 0	
				3	A	ON SSE	
Pog	28.00	28.01		3	A	ST SSE	☹
				2	LAST	SSE	
Prec	0.3 mm	0			FW	ST SE	

Nite - cloudy
 Sun - Obscured
 aurora - none

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

	A	P	8	3	Cist	0	
Dry	28.6	19.4	few	3	AST	ESE	very slow
				3	LAST	ESE	
Wet	24.9	16.6	10	2	Cist	0	
				3	AST	ESE	very slow
Max	29.2	29.9	few	1	LAST	ESE	
					Dust		
Min	23.0	18.1	12	few	AST	ESE	
				few	LAST	ESE	
Hum	47	52			Dust in north		
Wind	E 8	SE 12	2	few	AST	0	
Temp	35.5	66.5			Dust N+E		
B'm	27.750	28.006	4	few	AST	0	
B'g	27.72	27.85			Dust N+E		
Pres	0	0	6	few	AST	0	
					Dust N+E		

Feb. 5

The rather thick layers of AST, with a few LAST on its southern edge, gradually dissipated during the AM. During this time the AST appeared to be the feeder for the single layered LAST. About noon the LAST stood out alone, but they too finally evaporated.

Pressure has been low, and altho the temperature rose during the day, there was no strong wind from off the ice. The balloon, however, showed SE & SSE wind aloft to be moving about 16-18 m. p.s.

Sunrise - 9:50 - Pt. cloudy - disk clear It is light enough now at six PM to detect the presence of clouds
 Sunset - 3:50 - clear
 AWC - faintly in SW
 Nite - clear

*E

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

Feb. 6

Halo - 12:30 - 2:00P

Daily max. came shortly after noon.
Cirrus level was at 5400m. moving

at 10 m. per hr.

Pressure still low - wind light.

It was light enough at 8AM to
read the thermometers without
using a flashlight.

	A	P	8			
Dry	10.5	12.1	1	cist	SE	○ none
Wet	8.4	9.9	10	AST	0	
Max	19.4	13.0	9	cist	SE	○
			1	AST	SE	
Min	10.5	9.6	12	cist	ESE	○
			8	AST	0	
Hum	52	48	few			○
Wind	N 1	E 2	2	cist	ESE	○
			9	AST	0	
Temp	27.5	69.5	few			○
Pom	27.984	28.174	4	cist	ESE	○
			9	AST	0	
Pog	27.96	27.98	few			○
Prec	0	0	6	cist	ESE	○
			9	AST	0	

nite - cloudy - cist 10/10
sunrise - cloudy
sunset - 3:53 - cloudy - thru cist
Aur - none

*t

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

	A	P	8		
Dry	12.1	14.2	10	stnb	SW
Wet	12.1	14.2	10		
Max	12.1	14.2	10	stnb	SW
Min	10.0	10.6	12		
Hum	100	100	10	stnb	SW
Wind	SW 4	W 4	2		
Temp	44	62.5	10	stnb	SW
B _m	28.202	28.372	4		
B _g	28.15	28.20	10	stnb	SW
Prec	5	5	6		
	0.7" on gnd	3.7" on gnd 3.4mm	10	stnb	SW

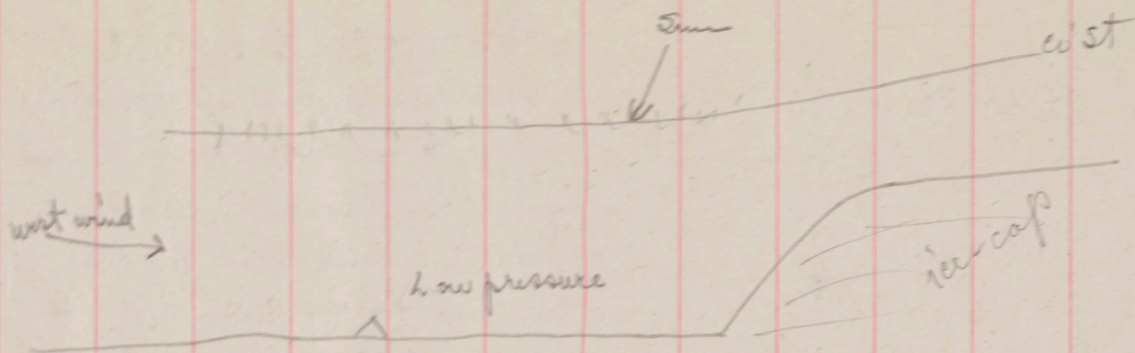
Feb. 7
* began DN

There was a continuous fall of snow during the day. Small starlike flakes, they were, with about this width $\rightarrow \leftarrow$. The snow was very light, but since there was little wind the amount caught in the rain gauge was quite accurate.

Pressure is rising slowly whether this was a coastal storm I do not know. I do think, rather, that it is closely associated with the cist of yesterday. The snow flakes of this sheet cloud may have been cast out from the icecap in some disturbance there, for the cloud never completely covered the western sky. Again it might be due to cooling of warmer layers.

nite - snowing
a/s - none
Sun - close,

	1	2	3	4	5	6	7	8	9	10	11	12
NW	NW	NW	NW	NW	NW	NW	NW	SW	SW	SW	SW	SW
Sw	sw	sw	sw	s	sw	sw	w	w	w	w	NW	NW



West wind moisture laden may have been cooled sufficiently to cause snow. Locally temperatures have remained about constant.

Feb. 8

The snow continued DN and until 11:45 AM. Then at 1:49 it began again, apparently from a different cloud mass; one moving in from the SW. This is only my supposition for I base it on the appearance of the A Cu at a higher level and moving from the NW. Of course at all times in the S and E snow was falling, so it might have been from old cloud mass.

Pressure is still slowly rising. The sun shone on Pingo and adjacent territory for about twenty

nite-snowing minutes.
 sun - none
 sun - obsc.



	A	P	8		
Dry	11.4	12.6	10	stnt	WSW
Wet	11.4	12.6	10		
Max	14.2	13.1	10	stnt	WSW
Min	11.4	11.4	12		
Hum	98	99	1	Acu	NW
			3	st	WSW
			6	stnt	WSW
Wind	NW 2	SE 2	2	Acu	NW
Temp	43.5	65.0	8	stnt	SW

Bar	28.414	28.6504	10	stnt	SW
Bar	28.36	28.45			

Prec	S	S	6	10	stnt SW
	5.1" on gnd	5.8" on gnd			
	30.2 mm				
	water content too small to determine				

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

	A	P	8	4	cist	0	○
Dry	0.0	2.4	few	*st	0		
Wht	0.0	2.4	10				
Max	12.6	0.0	few	st	NW		○
Min	0.0	-3.4	12				
Hum	95	82	few	st	NW		
Wind	NE 6	SW 4	2				
Temp	20	62.5	few	st	NW		
T ₀ m	28.423	28.338	4				○
T ₀ g	28.42	28.17	few	st	NW		
Pres	5	0	6				

Feb. 9

The fjord is frozen now and has been so since a day or two after the 51 degree weather of January. We are still able to take water from the lake, but it is nearly frozen to the rock bottom, a depth of 8 ft. There probably is three inches of water left. Snow stopped DN.

nite - clear
 Sunrise 9:30 AM - thin thin cist
 Sunset 4:10 PM - clear
 Aur - faintly - curtain - E to NW in sky
 no movement of light streaks

*grd = 5.8

	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	E	SE	S	SW	S	S	SE	E	





N+NW

6PM 6 4 2 12 10 8 6 12 10 8 6 4 2 12 10 Feb 9 8A

Feb 10

Mathias, Enoch, + Hans Olsen arrived today
bound for the ice,

Feb. 11

	A	P	8		
Dry	-10.1	-9.5	10	ci st S	
Wet	-10.1	-9.5	10	10 ci st S	
Max	0.0	-3.3			
Min	-10.1	-10.1	12	10 ci st SSW	
Hum	81	76			
Wind	NE 6	E 3	2	6 ci st SSW	
Temp	15.5	61.0			
Bar	28.198	28.200	4	2 ci st SSW	
Bq	28.20	28.06			
Prec	0	0	6	Few Ci st SSW	

Halo - 10:00AM - 11:45AM. Nearly the entire circle was visible, only the very bottom not being above the horizon.

ci st gradually dissolved during the day. It was impossible to detect its movement.

The sun raised the temp. a few degrees during the day.

aurora - none (after 8:30 - in S+E - curtain)
 Sun - Part. obscured + Bright 5.0" * on grad
 Mts - clear

	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	E	SE	E	E	E	E	E	E	E

Bill's expedition left lower camp but could not cross the ice on the fjord because it was too thin along the far shore.

Mathias expects to leave for home tomorrow, to be gone possibly a week.

Feb. 13

	A.	P.	9		
Dry	-5.5	-3.1	10	ci st SSE	
Wet	-5.5	-2.1	10		
Map	-2.1	0.0	10	ci st SSE	
Min	-5.5	-5.5	12		
Hum	82	63	10	ci st SE	
Wind	NE 4	SW 9	2		
Temp	22.0	63.0	10	ci st SE	
B ₁₀₀	27.950	27.932	4		
B ₉	27.92	27.68	10	ci st SE	
Pres	0	0	6		
			10	ci st SE	

Halo - 10:10 until 2:45 P
 Between the surface and 3,000^m
 the wind was generally north.
 Speed about 11 m.p.s. above
 that altitude it was S + SE.
 Pressure is still becoming less.
 Temperature on fjord is
 -26° today. Ice along the
 far shore is covered by a foot
 of snow and is only two inches
 thick.

cloudy (ci st) First quarter moon
 with
 arrow - none
 sun - thin
 ci st 4" * on grid

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

	A	P	8		
Dry	-1.1	4.0	10	stnb	N
Wet	-1.1	4.0	10		
Max	-1.1	6.1	10	stnb	N
Min	-6.3	-1.1	12	10	stnb N
Hum	100	100			

Feb. 14

Snow began DN and continued until 1:25 P. It appeared to be more of the order of broken pieces, from larger flakes. They were about the size of the head of a pin. Pressure is rising slowly.

Wind	SE 7	NE 4	2		
Temp	22.0	68.0	5	st N	⊙ stnb.

Am	27.684	28.004	4	5 st N	⊙/st
Pg	27.63	27.86	5	Ast N	

Pr	7.5	1.2 MM snow	6	3 Ast N	note cloudy
		1.7" on grid.		7 st N	aurora - none
					sun - obscured
					5.5" on grid

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

Feb. 15

The st of early morning was the last of yesterday's snow storm. Those of late afternoon simply seemed to grow from the ci + Ci st. already in the sky, high above the AM clouds. Snow began at 6:48 P.M. It was very light and in small pieces.

	A	P	8		
Dry	4.0	4.3	10	st	N
Wst	4.0	4.3	10	3 AST	N
May	4.0	8.1	7	st	N
Min	2.2	4.0	12	2 ci	0
				5 Ci ST	0
Hum	91	100	2	1 AST	N
				2 ST	N
Wind	NE 6	N 2	2	3 ci	0
				3 Ci ST	0
Temp	26.0	68.0		2 AST	N
				2 ST	N
Bsm	28.286	28.286	4		
Bq	28.20	28.11		10 st	0
Prec	0	Ts	6		
				10 st	0

Nite - Snowing
 curda - none

Sun - thru ci st in AM; obsc afternoon
 * on grid 5.3

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

	A	P	8		
Dry	9.0	1.9	10	ci st SSE	
Wet	9.0	1.9	10	ci st SSE	
Max	10.0	11.0			
Min	0.7	1.9	12	2 ci 0	
				2 ci 0	
				3 ci st 0	
				3 A st SE	
Hum	86	93			
Wind	E 8	E 9	2	4 ci. st 0	
				3 ci st 0	
				2 A st SE	
Temp	25.5	10.0			
Bar	28.450	28.509	4	Few ci st 0	
				3 A st SE	
Bar	28.45	28.41			
Dec Ts	0	0	6	Few ci st 0	
				2 A st SE	

Feb. 16

Snow stopped DN, an \angle in wind to about 10 m.p.h. caused a slight drifting.

Clouds were continually changing their form, though there was little horizontal movement.

Mite — Clear
 Aurora — None
 Sun — Thin ci st — fairly bright in AM, faintly in PM.
 * 5"

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

	A	P	8	10	cist	0
Day	10.5	12.9				
Wet	10.3	11.5	10	10	cist	0
Max	15.0	15.4				☉
Min	1.9	7.8	12	3	cist 0	☉
				7	Ast SSE	
Hum	65	71				
Wind	NW 2	NW 6	✓	2	cist 0	☉
				8	Ast SSE	
Temp	40.0	62.5				
Bar	28.52	28.572	4		Few cist b	☉
				9	Ast SSE	
By	28.46	28.40				
Pre	0	0	6		Few cist 0	
				9	Ast SSE	

Note - Cloudy
 Aurora - none
 Sun - obscured by ASI
 * 4.7"

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

Feb. 17

Nearly all clouds during the winter
 have moved at rather slow speeds. With
 overcast skies it is often difficult to
 determine their direction. For example,
 today's cist and Ast merged together
 along the edges making it impossible
 to use even the nephoscope. Only our
 balloons can give us an idea of conditions
 aloft.

Marius Olsen called on us today bringing six loaves
of bread and a package of matches.

large

Feb. 18

	A	P	8	1	cist	0	
Dry	17.2	17.3	9	AST	S		
Wet	17.2	16.6	10	3	cist	0	
Max	24.8	21.8	7	AST	S		
Min	10.7	10.7	12	3	cist	0	
Hum	77	76	6	AST	S		
Wind	W 10	NE 8	2	4	cist	0	
Temp	38.0	63.5	3	1	LAGu	S	
			2	AST	S		
Bim	28.504	28.644	4	6	cist	0	
Bq	28.45	28.49	1	LAGu	S		
			2	AST	S		
Prec	0	0	6	7	cist	0	
			3	AST	S		

The absolute max. for the day came this AM at 2 o'clock; the daytime max came this afternoon at the same hour. No doubt the 24.8° temp. was due to an indraft of SE wind.

The balloon showed the air to be rather calm up to nearly a mile, then after the wind increased in velocity to 32 m.p.h. at 4000 m. Direction was south.

Toward afternoon several masses of LAGu developed in the WSW,

sun - dimly thru cist
 air - mostly
 mte - cloudy (AST - from S - rapid)
 * 4, 5"

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

	A	P.	8	CiSt	SSE
Dry	23.2	20.2	5 2	AST LACu	SSE 0
Wet	22.2	19.0	10 8 2	cist LACu	SSE 0
Max	28.4	23.2	12		
Min	17.3	16.5	8	CiSt	SSE
Hum	63	50	few 1	LAK AST	0 SSE
Wind	E 6	E 12	2		
Temp	36.0	67.0	9 few few	CiSt LAK AST	SSE 0 SSE
B ^h	28.550	28.350	4		
B ^g	28.52	28.15	8 2	cist AST	SSE SSE
Prec.	0	0	6 8 2	CiSt AST	SSE SSE

Feb. 19

Dimly formed halo during noon time.

Weak John brought max DN
Note decrease in humidity

Clouds are moving slowly unless otherwise stated. In fact a rapidly moving cloud is and has been rare. Of course CiSt frequently reaches 30 m.p.s. but in its sheet form the speed can only be found by using a balloon. Detached clouds of fracto variety have not been seen here for months.

nite-cloudy

Sun - thru CiSt - bright enough to cast fairly black shadow

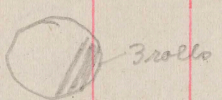
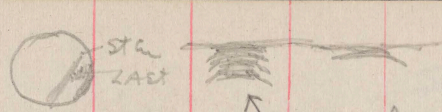
set - 4:50

Aur - none.

* 3" (drifted DN.)

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

	A	P	9	AST	SE
Dry	28.2	17.5	9	AST 1 AST st cu	0 S
Wet	27.4	17.5	10	9	AST SE st cu SSE
Max	28.8	32.0	9	AST	SE
Min	12.0	16.4	12	9	AST SE st cu SSE
Hum	76	100	9	AST	SE
Wind	E 11	W 18	2	10	AST SE
Temp	35.5	65.5	10	AST	SE
Pm	27.926	27.870	4	10	stnb 0
Bq	27.80	27.70	6	10	stnb 0
Prc	0	T _S	6	10	stnb 0



into-snowing
 air-moon
 Sun-obsc,
 *25"

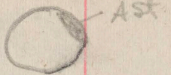

Feb. 20

Snow began at 3:51 P.M. beginning lightly and then gradually becoming heavier. The st cu rolls out over the ice during the morning disintegrated shortly after noon. at two P.M. the sky was overcast solidly and later there was a general closing in on all sides. Shortly before four snow began.

The pressure which began to fall yesterday reached its lowest at 5 P.M. at 27.60.

The balloon showed the wind at 3500 M to be 82 m.p.h. where did the west wind come from?

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

	A	P			
Dry	7.0	11.9	8	cist SSE	
			2	AST S	
Wet	5.8	11.9	10	8 cist SSE	
Max	17.5	14.9	2	AST S	
Min	6.7	4.2	12	10 AST SSE	
Hum	75	87			
Wind	NE 8	SE 6	2		
Temp	23.5	68.5	10	AST SSE	
P _m	27.778	27.400	4		
P _g	27.75	27.19	10	STN 0	
P _u	T _S	T _S	6		
			10	STN 0	

nite - cloudy
 Sun - obscured
 Aus - none
 * 2.5"

Snow stopped Feb. 21.

Halo - 10A - 11A, only upper half of arc visible.

Moon was visible in northern sky at 8 A.M.

Snow, 3:55 - 4:24P ; 7:15 - D.M.

There was a gradual thickening of the clouds from early morning, which continued until snow began. There was no movement of clouds into the region in so far as I could observe; only the vertical change just mentioned. The sky at noon presented an even cloud surface.

Outstanding, however, was the drop in pressure which reached its lowest at 8 P.M. It was the lowest I have recorded thus far, nevertheless the wind was light, a condition quite the reverse from what we have had at previous times. No doubt the overcast sky had something to do with it.

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

	A	P					
Dry	4.0	12.0	3	few LAcu LAST AST	S S S		
Wet	4.0	10.0	7	few LAcu AST	S SSW		
Moop	11.9	12.0	2	st st	SE		1st LAcu clear
Min	3.8	4.0	1	cist LAcu	0 S		st
Hum	76	68	6	few AST st	SSW (slow) SE		
Wind	SE 30	NE 6	9	few LAST AST	S SSW		clear
Temp	29.5	69.0					
Bar	28.178	28.426	9	few LAST AST	S (slow) S (slow)		clear
Bar	28.05	28.46					
Phase	1s	0	9	few LAST AST	S S		

Ave. - noon
 Sunrise - cloudy
 Sunset - cloudy
 During day sun intermittent
 Nite - cloudy (ast 10% from 5 - rapid - moon faintly)
 * about 2nd

Feb. 22
 snow stopped P N,

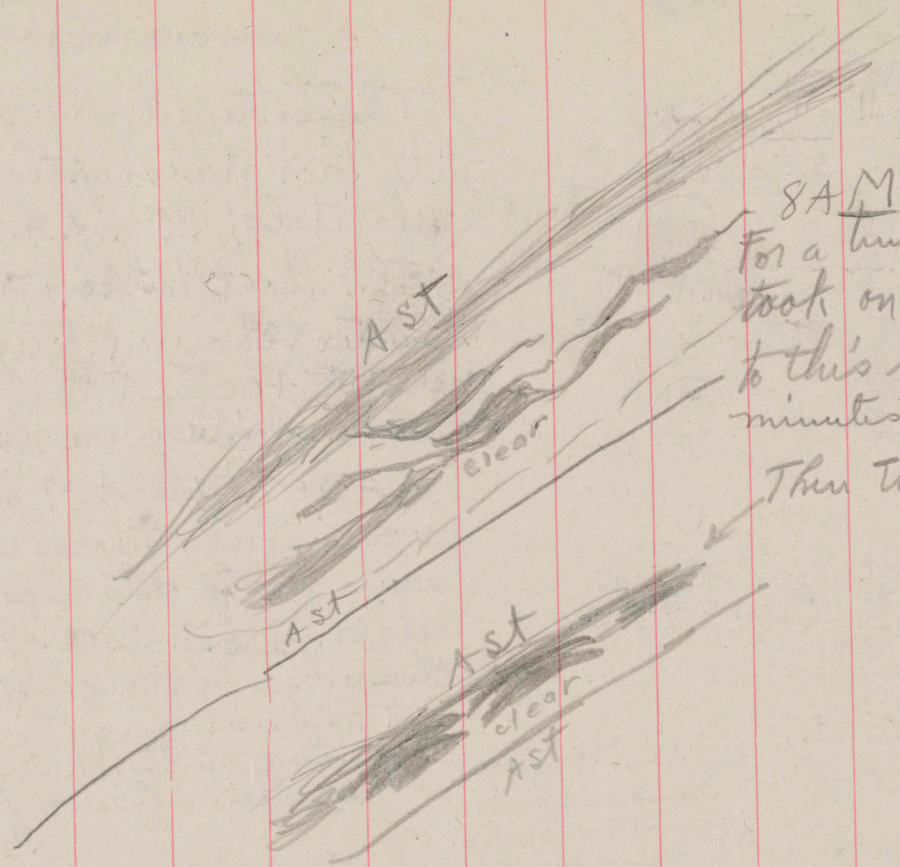
The extremely low pressure of last nite brot no exceptionally high wind velocities; 35 m.p.h. was the max.

The short balloon run of eleven minutes showed two levels of wind, one at 400 and the other at 1800 m. Both velocities were about 20 m.p.h.

LAcu in the AM and LAST in PM were prominent. Those in the morning were quite detached and had ragged edges. Those in the PM appeared at the edge of the cloud mass.

This evening the wind has been quite gusty. Much of the snow has been blown from the hill.

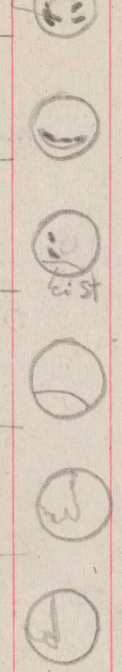
	1	2	3	4	5	6	7	8	9	10	11	12
SW	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
SE	SE	SE	E	SE	E	E	NE	SE	SE	SE	SE	SE



8 A.M.
For a time the L.A. St. in west
took on a form, similar
to this sketch. Fifteen
minutes was its duration
Then this form developed

	A	P	8			
Dry	13.8	15.2	9	AST	5	
			fine	LAST	5	
Wet	13.0	14.5	10			
			9	AST	5	
Marg	16.5	17.5	fine	LAST	5	
Min	10.3	12.1	12	cist	0	
			fine	LAST	5	
Hum	62	58	8	AST	5	
Wind	E 14	E 12	4	cist	0	
			6	AST	5	
Temp	26.0	62.5	6			
Bar	28.374	28.422	4	cist	0	
			4	AST	5	
Bar	28.35	28.25	5			
Prec	0	0	6	cist	0	
			4	AST	5	

clear LAST



note - cloudy 10/10
 cloud - none
 sun - obscured
 * 1/4" average

Feb. 23

Halo - 2:00P - 2:45P - all except the extreme lower part of circle above horizon.

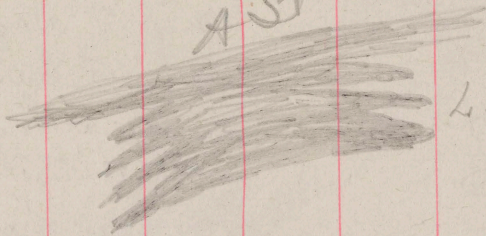
at eight AM the sky appeared as if it would clear during the day, at least there was a small area in the west free from clouds. By eight thirty the AST became more dense and the prospects for a cloudless day disappeared. It seemed as if the LAST of early morning gradually merged with the AST, forming a continuous layer.

AST at noon was at 4000 m; velocity 17 m. p. s.

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

In the west most of the P.M.

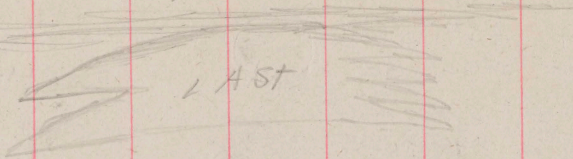
AST



LAST

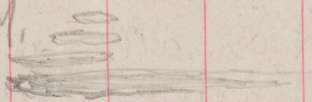
8 AM

AST



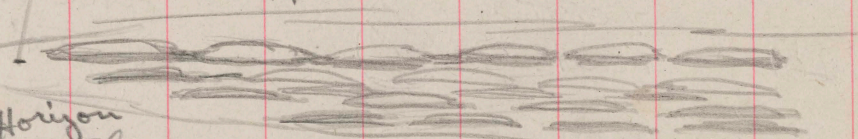
AST

11 AM



clear

AST



4 PM
across the SW.
sky, beginning
in the west

Horizon

These were unmistakably AST. In some instances the ends of the clouds appeared to meet, in others they did not. There was no movement discernable, tho there was a slow change in shape in the parts.

	A	P	8				
Dry	5.3	15.9	few	ci st	ESE	(☉)	
Wet	5.3	14.4	¹⁰ few	ci	ESE	(☉)	2
Max	6.1	15.9	few	ci st	ESE	(☉)	
Min	3.7	3.5	¹² few	ci	ESE	(☉)	
Hum	99	70	few	ci st	ESE	(☉)	
Wind	NW 2	N 2	² Few	ci	ESE	(☉)	
Temp	32.0	63.0	"	ci st	ESE	(☉)	
Bar	28.242	28.256	⁴ 2	ci	ESE	(☉)	
Fog	28.28	28.08	Few	ci st	ESE	(☉)	
Sec	0	0	⁶ 4	ci	ESE	(☉)	
			2	ci st	ESE	(☉)	

Feb. 28

Only a few ci and ci st drifting slowly from ESE kept this from being a perfectly clear day.

Winds aloft were still southerly moving with av. vel. of about 12 m. p. s.

Pressure decreased during day

During morning and early afternoon the light fog which appeared over the fjord gradually dissipated.

In protected places there was sufficient heat from the sun to cause slight melting, shortly afternoon.

Sunrise - clear - up 8:07.

* 0.8"

Nite - Clear

Sun - Bente 8:07A. - 5:28 P. pt. Cloudy

Aurora - None (In south; curtain; after 9PM.; 23)

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