

ASPeCt glossary

Ice type

10	Frazil
11	Shuga
12	Grease
13	Platelet
20	Nilas
30	Pancakes
40	Young grey ice, 0.1 - 0.15m
50	Young grey-white ice, 0.15 - 0.3m
60	First year ice, 0.3 - 0.7m
70	First year ice, 0.7 - 1.2m
80	First year ice, > 1.2 m
85	Multi-year ice
90	Brash
95	Fast ice

Ice concentration

to be expressed in tenths for total and partial concentrations.

Sea-ice thickness

to be expressed in centimeters.

Snow thickness

to be expressed in centimeters.

Floe size

100	Pancakes
200	New sheet ice
300	Brash, broken ice
400	Cake ice, < 20m diameter
500	Small floes, 20 - 100m.
600	Medium floes 100 - 500m
700	Large floes, 500 - 2000m
800	Vast floes, > 2000m

Topography

100	Level ice
200	Rafted pancakes
300	Cemented pancakes
400	Finger rafting
5xy	New, unconsolidated ridges (no snow)
6xy	New ridges filled with snow or a snow cover
7xy	Consolidated ridges (no weathering)
8xy	Older, weathered ridges

x values:

0	0 - 10% areal coverage
1	20 - 20%
2	30 - 30%
3	30 - 40%
4	40 - 50%
5	50 - 60%
6	60 - 70%
7	70 - 80%
8	80 - 90%
9	90 - 100%

y values:

1	0.5m average sail height
2	1.0m
3	1.5m
4	2.0m
5	3.0m
6	4.0m
7	5.0m

Snow type

0	No snow observation
1	No snow, no ice or brash
2	Cold new snow, < 1 day old
3	Cold old snow
4	Cold wind-packed snow
5	New melting snow (wet new snow)
6	Old melting snow
7	Glaze
8	Melt slush
9	Melt ponds
10	Saturated snow (waves)
11	Sastrugi

Open water

0	No openings
1	Small cracks
2	Very narrow breaks, < 50m
3	Narrow breaks, 50 - 200m
4	Wide breaks, 200 - 500m
5	Very wide breaks, > 500m
6	Lead/coastal lead
7	Polynya/coastal polynya
8	Water broken only by small scattered floes
9	Open sea