Open water

0	no openings
1	small cracks
2	Very narrow breaks < 50 m
3	Narrow breaks, 50 - 200 m
4	Wide breaks, 200 - 500 m
5	Very wide breaks, > 500 m
6	Leads
7	Polynya
8	Water broken only by scattered floes
9	Stripes and patches

Ice Type

10	Frazil
11	Shuga
12	Grease
20	Nilas
30	Pancakes
40	Young grey ice 0.1 - 1.15m
50	Young grey-white ice 0.1 - 0.3 m
60	First year Ice < 0.7 m
70	First year ice 0.7-1.2 m
80	First year ice > 1.2 m
75	Second year ice
85	Multi-year ice
90	Brash ice
95	Fast ice

Floe size

100	Pancakes
200	new sheet ice
300	Brash/ broken ice
400	Cake ice < 20 m
500	Small floes 20 - 100
600	Medium floes 100 - 500 m
700	Large floes 500 - 2000 m
800	Vast floes > 2000m
900	Bergy floes

Snow type

00	no snow observation
01	no snow, no ice or brash
02	cold new snow, < 1 day old
03	cold old snow
04	cold wind-packed snow
05	New melting snow (wet new snow)
06	Old melting snow
07	Glaze
08	Melt slush
09	Melt puddies
10	Saturated snow
11	Sastrugi

Algae/ Sediment fraction

0	0%
1	< 30%
2	< 60 %
3	> 60 %

Melt ponds

Depth

1	0-10 cm
2	10-30 cm
3	30-50 cm
4	> 50 cm

Pattern

1	Linked
2	Discrete

Surface Type

1	Frozen (dry snow, wet snow)
2	Open
3	Bottom up

Topography

100	Level ice
200	Rafted pancakes
300	Cemented Pancakes
400	Finger Rafting
500	Ridges

Ridges

Old Ridges	True/ false
Consolidated Ridges	True/ false
Snow covered Ridges	True/ false

Codes based on ASSIST (Arctic Ship-based Sea Ice Standardization Tool) protocol
http://iceobs.beta.gina.alaska.edu