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

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

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 puddles
10 Saturated snow
11 Sastrugi

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