



"Mending near the Pole." Shadows cast by the upstanders of the sledge on the ice are at approximately 12° , the altitude of the Sun above the horizon at and near the North Pole in April when Cook was there.

Apr. 21 '08 Lat. Long 97 W.
 Bar. 29.83 Temp. 37.7 (L. alt. 44)
 Wind. 1. May 8. 1000... W. 1000... W.

Known Alt. 2 23.33-25

50
 0
 2
 3
 60 325
 5 25
 11 48 58
 11 54 23

2 23 35 25
 11 47 42 5
 + 15 5.6
 12 5 38
 11 54 38
 90
 75 5 22
 11 54 23
 89 59 45

3. 28/1

HOW THE ALTITUDE OF THE SUN ABOVE THE HORIZON FIXES THE POSITION OF THE NORTH POLE

OBSERVED ALTITUDES, APRIL 22, 1908



Cook's calculations from his sextant observations at the North Pole, noon, April 21, 1908. (Bottom) The altitude of the Sun above the horizon fixes the position of the North Pole. Cook's published records were studied by a Canadian meteorologist in 2000, who found Cook's Sun observations credible.