

Endeavour Range to west with approx. 40° snow. 9:25 A.M. Fewer trees in evidence. 9:35 A.M. Bettles Valley. more lakes than in last stretch since the Yukon. Several larger rivers from the Brooks Range converge at this point, most of them meandering. 9:43 A.M. Bettles directly below. Conifers and deciduous trees confined mainly to river edges and favorable slopes. Front range (south) of Brooks Range at 9:47 A.M. Larger rivers meandering right up into mountains. Ridges now knife edged and sign of cirque development and glaciated valleys. 9:51 Conifers sparse and confined to timberline as a few trees in contrast to dense stands in the southern Alaska area. no evidence of rock slides but a few slump areas. First large glaciated lake at 9:54 A.M. to right and in glaciated valley. Completely sealed in ice. Most valleys beautifully glaciated. 10:00 A.M. All lakes frozen. 90% of land surface on N sides in snow. 10:03 A.M. excellent cirque development. 10:09 Approaching north side of Brooks Range with plateau country beyond. Just as we passed the last mountain, took colored movie of range with clouds pushing in from the north. This low cloud condition is apparently a common feature in early spring. 10:16 A.M. area of plateau province with snow on ground producing spotty effect as if held by mound or vegetation clusters. Cornices on north slopes indicating direction of wind from south. This rolling plateau has parallel erosional lines. Rill development on both north and south slopes and those on north slope showing 40% snow coverage with snow confined to gullies. Lakes almost all frozen. Arrived Chandler River 10:25 A.M, milky. Snow now about 80% coverage. Lake ice greenish-blue. 10:30 A.M. Umiat directly below. From this point on the snow cornices and snow accumulation is on the south exposures indicating that the sun has less effect and that the wind is from the north. Is it possible that the Colville River controls the climate or has the climate produced the transverse Colville River drainage pattern. The creeks are just beginning to break up and show a yellowish streak beneath which runs the creek. At some points the creek can be seen. In contrast to the rill development south of the Colville River, the north side has, in addition to the rill pattern, a spotty snow accumulation. 10:44 A.M. Just leaving the plateau province of rolling topography and beginning with low flat lying country of oriented lakes. This is the coastal province which goes N to the Arctic