

WVILLE RIVER (KILO)
70-28-09N
148-37-59W

MIDWAY ISLAND (REINDEER) (MIKE)
70-29-08N
148-21-30W

Radar was the principal means of navigation during the Racon to construction transits.

At 1123, 17 August, BURTON ISLAND again anchored off Barrow, Alaska. CCGD17(ecv) personnel were put ashore and University of Connecticut ONR personnel came aboard.

At 0830, 20 August 1977, BURTON ISLAND weighed anchor again and was underway en route the Beaufort Sea to conduct gravimetric research with Dr. Peter Dehlinger and three other University of Connecticut, Department of Geophysics personnel. The scientists, pleased with the unusually ice-free conditions, requested criss-crossing tracklines from Barrow to 142-00W and the Alaskan shoreline to as far north as 72-40N. During this time, BURTON ISLAND was almost continuously underway, with brief stops for scientific gear adjustments.

The principal means of navigation during this period was the Navigation Satellite.

At 0559, 28 August 1977, BURTON ISLAND once again anchored off Barrow, Alaska in order to discharge the scientific team and make preparations for the trip back to Oakland, California.

5. En route Oakland, California

At 1742, 28 August 1977, BURTON ISLAND having completed all assigned AWS-77 tasks, weighed anchor en route Oakland's Naval Supply Center. A combination rhumbline and great circle track was laid out, totaling 3171.1 nautical miles. The total mileage for AWS-77 was approximately 10,300 nautical miles.