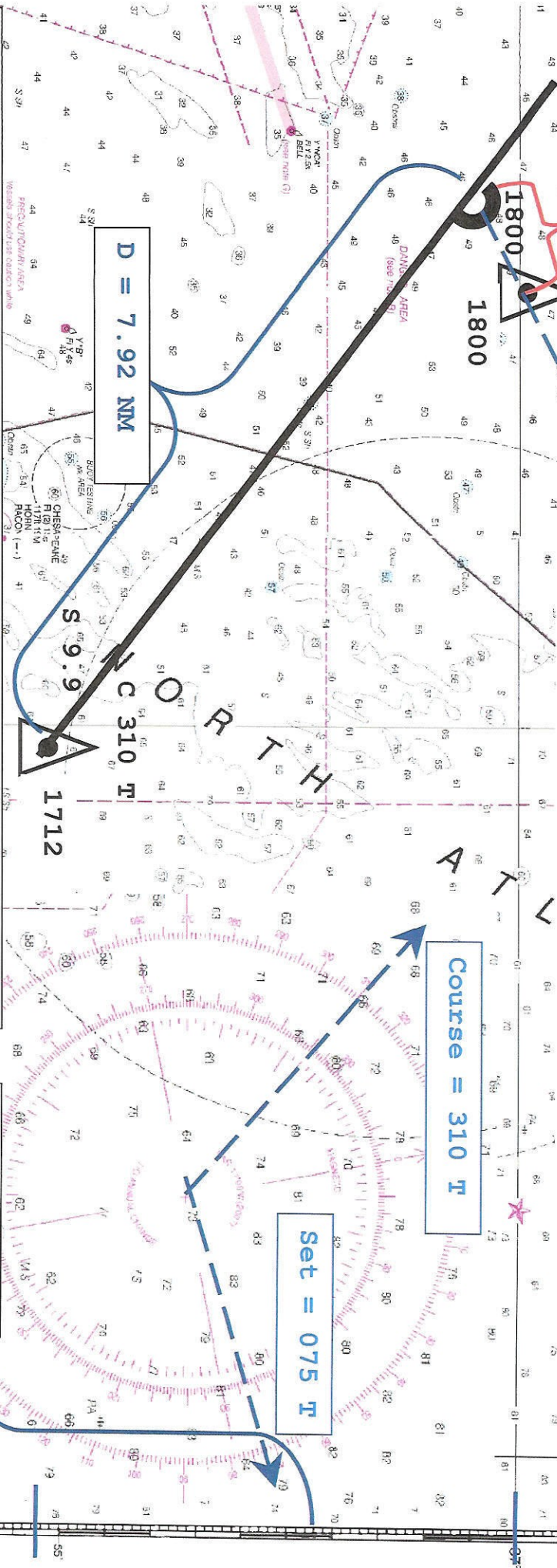


Set and Drift

D = 1.5 nm



10500 C
At 1712 your Ioran set indicates a position of LAT 36°54.8'N, LONG 75°39.8'W. You are on course 319° per steering compass at a speed of 9.9 knots. At 1800 your Ioran set indicates your position at LAT 37°00.0'N, LONG 75°45.8'W. What were the set and drift?

- A. 262°T at 0.9 knot
- B. 267°T at 1.6 knots
- C. 075°T at 1.9 knots
- D. 093°T at 0.8 knot

Determine DR Course (T):

T **V** **M** **D** **C** **AW**
310 = **-10W** **320** = **+1E** **319**

Calculate Time Run:

T (min) => 1800 – 1712 = 48min

Calculate Distance Run on DR:

D = S x T (min) / 60
= 9.9 x 48 / 60 = 7.92 nm

Determine Set:

Measure angle from DR position to 1800 Fix

D = 1.5 nm

Calculate Drift:

(Measure distance from DR position to 1800 fix)
S = 60 D / T(min) = 60 x 1.5 / 48 = 1.88 kn

