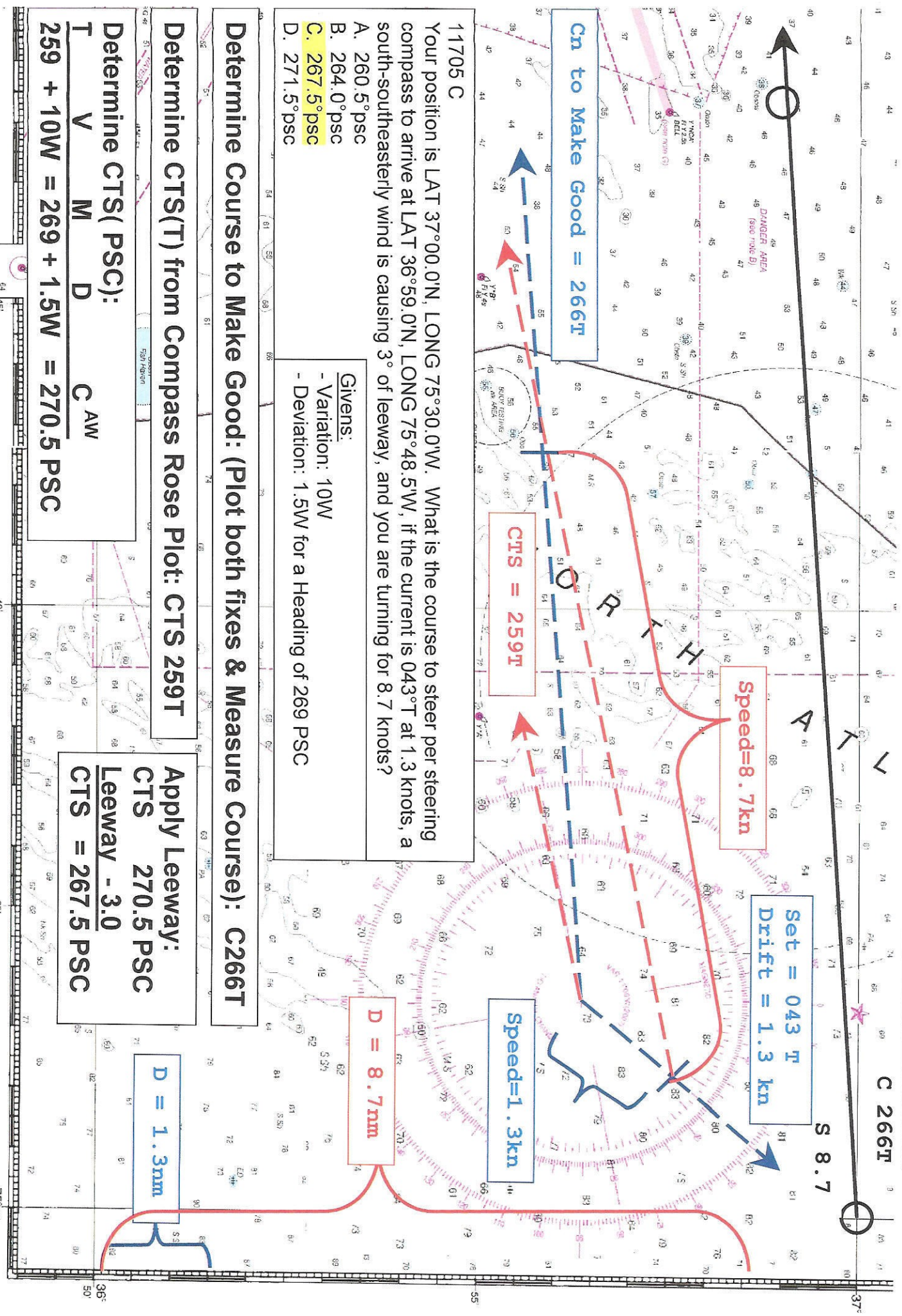


Course to Steer (CTS) w/ Set & Drift



Cn to Make Good = 266T

CTS = 259T

Speed = 8.7kn

Set = 043 T
Drift = 1.3 kn

Speed = 1.3kn

D = 8.7nm

D = 1.3nm

11705 C
Your position is LAT 37°00.0'N, LONG 75°30.0'W. What is the course to steer per steering compass to arrive at LAT 36°59.0'N, LONG 75°48.5'W, if the current is 043°T at 1.3 knots, a south-southeasterly wind is causing 3° of leeway, and you are turning for 8.7 knots?

A. 260.5°psc
B. 264.0°psc
C. 267.5°psc
D. 271.5°psc

Givens:
- Variation: 10W
- Deviation: 1.5W for a Heading of 269 PSC

Determine Course to Make Good: (Plot both fixes & Measure Course): C266T

Determine CTS(T) from Compass Rose Plot: CTS 259T

Determine CTS(PSC):
T V M D C AW
259 + 10W = 269 + 1.5W = 270.5 PSC

Apply Leeway:
CTS 270.5 PSC
Leeway -3.0
CTS = 267.5 PSC