

Charting Quick Reference

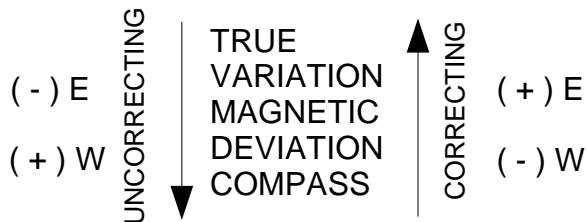
This is sized for 5.5 inch x 8.5 inch paper ($\frac{1}{2}$ of an 8 $\frac{1}{2}$ x 11 page)

I use 65 lb Cover or Card Stock of a contrasting color

Contrasting color makes the sheet easier to find

The pages are rotated from each other so printing will require 2
passes

Feedback: mike@captnmike.com



025 or 025T – TRUE

025M – MAGNETIC

025C – COMPASS

TIME = 4 DIGITS (24HR)

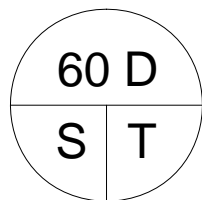
COURSE = 3 DIGITS (000 (common) or 000.0)

S 10 or S 10.5 = SPEED (0.1 KTS MOST APPS)

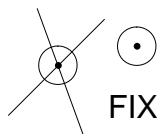
RELATIVE BEARING + SHIPS HEADING = ACTUAL

C 090T

S 10.5



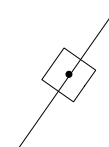
Distance
Speed
Time (Min)



FIX



DR



ESTIMATED
POSITION

Speed (S): $S = (60 \times D) / T$
Speed in Knots or Nautical Miles per Hour

Time (T): $T = (60 \times D) / S$
Time is always in minutes

Distance (D): $D = (S \times T) / 60$
Distance is always nautical miles (nm)

1 nm = 1 Minute of Latitude = 6000 ft = 2000 yards (Many Calculations)

60 nm = 1 Degree of Latitude

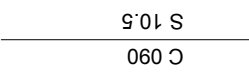
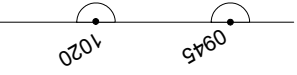
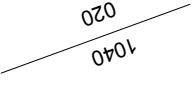
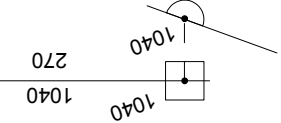
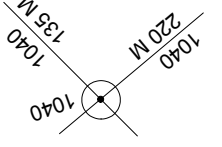



1 nm = 1852 meters = 6076 ft (International Treaties)

1 nm = 6100 ft (some calculations)

1 meter / second = 1.94 knots

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Summary of Common Navigation Drafting Symbols and Their Usage © 2005 – 2009 www.captmike.com

DESCRIPTION	DIAGRAM	ITEM
Course (090 True) written above line, Speed (10.5 Knots) written below line		DR Plot
Time (24 Hour) Written at angle to semicircle denoting DR position		DR Position
Lightly draw line with Time (24 Hour) above LOP and True bearing beneath		LOP
Square located where dashed perpendicular line from DR position touches LOP		Estimated Position
Circle where two or more LOP's cross. Time written parallel to LOP lines		Visual Fix
Time and method (if relevant)		Electronic Fix
Circle containing the intersection of a given LOP and another LOP advanced (or retired) in time with RFLX and the time taken		Running Fix
Triangle with Time written alongside		Known Position