LEARN THE SEA

EP & running fix

learnthesea.com

Work up an estimated position from your DR, the hour's tidal stream and leeway; or fix from one object by transferring the first bearing along your track.

DATE / TIME

LOG READING

COURSE STEERED °C

DEAD RECKONING

FROM (LAST FIX)

TIME OF LAST FIX

BOAT SPEED (KN)

COURSE STEERED °T

DISTANCE RUN (M)

LEEWAY (°) & DIRECTION

TIDAL STREAM THIS HOUR

SET °T

RATE (KN)

SOURCE (DIAMOND / ATLAS)

PLOT — DR, TIDE, EP (AND A TRANSFERRED BEARING FOR A RUNNING FIX)

1. DR from the last fix. 2. Apply the tidal vector → EP. 3. For a running fix, transfer the first position line along the ground track and cross it with the second.

RESULT

EP / FIX — LATITUDE

EP / FIX — LONGITUDE

Original Learn the Sea training template — free to print and use. Not a substitute for official RYA publications or an up-to-date almanac.