



SAMPLE CHARTWORK - YACHTMASTER OFFSHORE ANSWERS

Updated 28 August 2012

SOUTH AFRICAN TIDAL CALCULATIONS

1. Clearance 0.31m.
2. Rule of twelfths = 0.85m Hourly tide tables = 0.84m

NEW ZEALAND TIDAL CALCULATIONS

3. Earliest time for a clearance of 0.5m ~ 1841 hours.
4. Earliest time for a clearance of 0.5m ~ 0902 hours.
5. Latest time for a clearance of 0.5m ~ 1934 hours.

ADMIRALTY TIDAL CALCULATIONS

6. Latest time for a clearance of 0.5m ~ 1537 hours.
7. Latest time for a clearance of 0.5m ~ 1147 French Standard Time.
8. Earliest time for a clearance of 0.5m ~ 1234 hours

PLOTTING AND SHAPING COURSE IN TIDAL STREAMS (FALSE BAY AND ENGLISH CHANNEL)

9. CTS = 119°C. ETA = 1242 hours.
10. CTS = 100°C. ETA = 1446 hours.
11. CTS = 204°T +5° leeway = 209°T +3° = 212°C. ETA = 2000 hours.
12. Net drift = 6nm @ 260°T. CTS = 026T – 10 leeway = 016T =3W = 019°C. ETA = 1900 hours.

FIX BY MERIDIAN PASSAGE

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|----------------|-----------|
| 13. 14° 29.5'S | 028° 15'W |
| 14. 24° 42.1'N | 120° 45'W |
| 15. 21° 17.1'S | 104° 44'E |
| 16. 14° 08.6'N | 059° 17'E |
| 17. 03° 48.5'N | 060° 30'E |
| 18. 35° 18.0'S | 031° 52'W |
| 19. 08° 41.8'N | 151° 00'W |
| 20. 01° 39.0'S | 090° 47'E |

