

## Position from intercept and azimuth by calculation ~ See Nautical Almanac page 282 paragraph 11

DR Lat <input type="text" value="11"/> deg. <input type="text" value="20.00"/> min. <input type="text" value="S"/>	Date @ DR Position <input type="text" value="20-Feb-90"/>	Δ Time Since Previous Fix <input type="text" value="2:00:00"/>	Fix Lat <input type="text" value="10"/> deg. <input type="text" value="54.08"/> min. <input type="text" value="S"/>
DR Lo <input type="text" value="178"/> deg. <input type="text" value="30.00"/> min. <input type="text" value="E"/>	Zone Time <input type="text" value="18:39:15"/>	Number of Bodies <input type="text" value="3"/>	ψ <input type="text" value="6E-09"/> n. mi.
Previous Fix Lat <input type="text" value="11"/> deg. <input type="text" value="20.00"/> min. <input type="text" value="S"/>	Use "Nav Bodies" Worksheet to specify DR Position, Previous Fix, Date & Time		Set <input type="text" value="43.2"/> deg.
Previous Fix Lo <input type="text" value="178"/> deg. <input type="text" value="30.00"/> min. <input type="text" value="E"/>	<input type="text" value="Enter data into Yellow Cells"/>	Distance Between Fixes <input type="text" value="35.54"/> n. mi.	Drift <input type="text" value="17.77"/> kn
		Distance Between DR & Fix <input type="text" value="35.54"/> n. mi.	

### track and speed made good through a current

Track Made Good (TMG) <input type="text" value="43.2"/> deg.	Speed Made Good (SMG) <input type="text" value="17.77"/> kn.
Course (C) from Previous Fix to DR <input type="text" value="270.0"/> deg.	Speed Of Advance (SOA) <input type="text" value="0.00"/> kn.
Drift Angle <input type="text" value="46.8"/> deg. to Starboard	Were sights taken from a fixed shore position? <input type="text" value="Yes"/>
Distance from Previous Fix to DR <input type="text" value="0.00"/> n. mi.	

### course to steer at a given speed through the water to make good a given course through a current

Course To Steer <input type="text" value="135.8"/> deg.	Speed Through Water <input type="text" value="7"/> kn.
Course <input type="text" value="260"/> deg.	Drift Angle <input type="text" value="55.8"/> deg. to Port

Azimuth Spread  deg.  
Warning ... See Azimuth Spread Note

Crossing Angle of LOPs From Body 1 & Body 2 is  deg.      Crossing Angle of LOPs From Body 2 & Body 3 is  deg.      Crossing Angle of LOPs From Body 1 & Body 3 is  deg.

Body 1 Data	Body 2 Data	Body 3 Data
<input type="text" value="SIRIUS"/>	<input type="text" value="CAPELLA"/>	<input type="text" value="SPICA"/>
Hc <input type="text" value="57"/> deg. <input type="text" value="38.56"/> min.	Hc <input type="text" value="31"/> deg. <input type="text" value="55.52"/> min.	Hc <input type="text" value="29"/> deg. <input type="text" value="46.60"/> min.
Time of Observation <input type="text" value="21:18:14"/>	Time of Observation <input type="text" value="21:24:13"/>	Time of Observation <input type="text" value="21:28:24"/>
Zn <input type="text" value="103.4"/> deg.	Zn <input type="text" value="8.4"/> deg.	Zn <input type="text" value="48.1"/> deg.
Intercept <input type="text" value="20.1"/> n. mi. Toward	Intercept <input type="text" value="32.6"/> n. mi. Toward	Intercept <input type="text" value="31.3"/> n. mi. Toward
Ho <input type="text" value="57"/> deg. <input type="text" value="58.65"/> min.	Ho <input type="text" value="32"/> deg. <input type="text" value="28.08"/> min.	Ho <input type="text" value="30"/> deg. <input type="text" value="17.93"/> min.
Total GHA <input type="text" value="148"/> deg. <input type="text" value="34.20"/> min.	Total GHA <input type="text" value="171"/> deg. <input type="text" value="10.31"/> min.	Total GHA <input type="text" value="134"/> deg. <input type="text" value="23.92"/> min.
Declination <input type="text" value="16"/> deg. <input type="text" value="42.22"/> min. <input type="text" value="S"/>	Declination <input type="text" value="45"/> deg. <input type="text" value="59.59"/> min. <input type="text" value="N"/>	Declination <input type="text" value="28"/> deg. <input type="text" value="3.01"/> min. <input type="text" value="N"/>