

ENSM Le Havre	CELESTIAL NAVIGATION	V0.1 03/17
A. Charbonnel	<i>RUNNING FIX</i>	1/1

Running fix with the Sun

DR position at 09:00 WT, Aug. 13 is $28^{\circ} 30,4'S / 062^{\circ} 33,2 E$.

Course is $010^{\circ} T$ – speed 15kts/

While on this course, the 3 sun lines listed below were taken.

Find your latitude and longitude at 16:20 WT.

<i>WT</i>	<i>UT</i>	<i>GHA</i>	<i>D</i>	<i>Ho</i>
10:16	06h 16m 10s	272° 48,9'	N 14° 45,4'	40°59,9'
12:30	08h 30m 05s	306° 17,9'	N 14° 43,7'	46°47,1'
16:20	12h 20m 13s	003° 50,3'	N 14° 40,8'	13° 06,0'