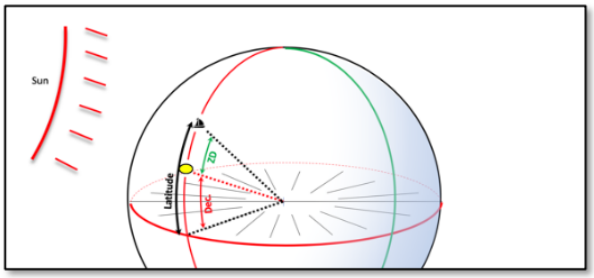
DATE 20th June 2020

DR LATITUDE 45° 46.0' N / S

DR LONGITUDE 005° 04.0' W / E



Meridian Passage Pro-forma

ARC TO TIME CONVERSION (time difference between our vessel and Greenwich)

DR LONGITUDE 'degrees'	005°	=	00 H 20 M
DR LONGITUDE 'minutes'	04'	=	00 M
			00 H 20 M A

SEXTANT ALTITUDE	○	67° 30.0'
INDEX ERROR	On arc = SUBTRACT / Off arc = ADD	0.0'
		67° 30.0'
HEIGHT OF EYE	3.0 m	SUBTRACT 3.0'
APPARENT ALTITUDE		67° 27.0'
ALTITUDE CORRECTION	SUBTRACT / ADD	15.6'
TRUE SEXTANT ALTITUDE (Ho)		67° 42.6' C

TIME OF MER PASS AT GREENWICH (UT)		12 H 02 M
ARC TO TIME CORRECTION A	(+) if Logitude West / (-) if Logitude East	00 H 20 M
TIME OF MER PASS AT VESSEL (UT)		12 H 22 M B

B 12 H 22 M

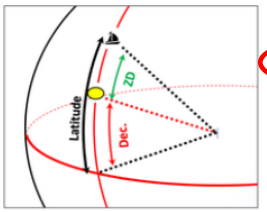
DEC 23° 26.2' N / S d 0.0' (+) / (-)

v and d corrections: +0.0'

23° 26.2' D

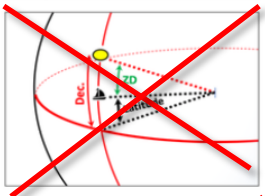
	89° 60.0'
C TRUE SEXTANT ALTITUDE (Ho)	67° 42.6' SUBTRACT
ZENITH DISTANCE (ZD)	22° 17.4'
D DECLINATION	23° 26.2'
LATITUDE	45° 43.6'

WORKING AREA



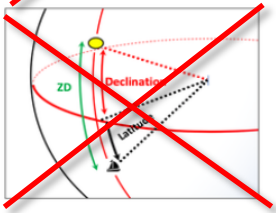
Lat = Dec + ZD

Same Hemisphere - Latitude GREATER than Declination



Lat = Dec - ZD

Same Hemisphere - Latitude LESS than Declination



Lat = ZD - Dec

Opposite