Gyro / Magnetic Compass Error Pro Forma

Celestial Body:		Date & Time (UTC):	
Gyro Heading:		Magnetic Heading:	
Assumed Position:			

GHA		DEC	
+ SHA (Star)		±Cd ( )	
±Cv (Moon/Planet)		DEC	
+ Inc		(Dec / GHA Increasing = + Cv / Cd)	
GHA			
+ LONG			
LHA			

Az = TAN-1 (SIN –LHA / (COS ±LAT x TAN ±DEC - SIN ±LAT x COS –LHA))

(Lat N = +, S = - & Dec N = +, S = -)

Az =

True Bearing =

LHA	000 – 180	180 – 360
+Az	S Az W	N Az E
-Az	N Az W	S Az E

Gyro Error		Magnetic Error	
True Bearing		True Heading	
- Gyro Bearing		- Mag Heading	
Error:		Error:	
Gyro Heading		- Variation:	
±Gyro Error		Deviation:	
True Heading			