Sight-Reduction Worksheet for precompiled Tables LoP =

Section 4 - "Sight Reduction"	
GHA ° ′	Lat/Dec: SAME - CONTRARY
LonAP ±°′	LatAP ±°
LHA°	Dec \pm ° / p(mDec)
Н°/	dH ±/ p(dH)
Interp <u>+</u> °′ < (s	sign of dH) < s()
Hc ° ′	
N-Lat ° S-Lat Z°	LHA < 180°: Zc=360°-Z LHA > 180°: Zc=000°+Z LHA < 180°: Zc=180°+Z LHA > 180°: Zc=180°-Z
Zc°	
Remarks and Instructions Choose an appropriate Assumed Position (AP) close to the Estimated Position, but such that both "LatAP" and "LHA" are integral numbers. This Assumed Position will be the reference location for drawing the Azimuth Line, Altitude Difference and the Line-of-Position.	
The "LHA" is the angular distance measured westward from the local celestial Meridian to the postition of the celestial object. It is obtained by adding the "GHA" and the "LonAP" using it's correct sign (positive for Easter Longitudes; negative for Western Longitudes).	
The following parts are used to enter the Sight-Redution tables: - the integral value of the Latitude of the Assumed Position ("LatAP") - the integral value of the Local-Hour Angle ("LHA") and - the integral part of the Declination ("Dec")	
The table evaluation gives the followin - the Altitude in the Assumed Position - the variation of "Hc" for one degree - the Azimuth angle ("Z")	g results: ("H") for the integral Declination value increment of Declination ("dH") and
Use the minutes part of the Declination altitude correction ("Interp") from the "H" eventually yields the Calculated Al	and the "dH" value to obtain the interpolated interpolation tables. Adding this correction to titude "Hc".
Finally, use the correct calculation so tabulated value "Z". Select the scheme (North or South) and the value of "LHA"	wheme to obtain the true Azimuth "Zc" from the according to the Latitude of the Assumed Position \cdot