

SIGHT REDUCTION FORM

CALCULATED ALTITUDE

AGETON CLASSIC	COMPUTATIONAL METHOD
L _____ A d _____ $+A$ _____ A^{-1} _____ \sin \swarrow L _____ B d _____ $+B$ _____ t _____ $+B$ _____ B^{-1} _____ $\cos \rightarrow$ (1) \pm _____ (2) \pm _____ \sin^{-1} _____ Hc _____ $^{\circ}$ '	L _____ \sin _____ d _____ $* \sin$ _____ L _____ \cos _____ d _____ $* \cos$ _____ t _____ $* \cos$ _____ \rightarrow (1) \pm _____ (2) \pm _____ \sin^{-1} _____ Hc _____ $^{\circ}$ '
RULES: (1) + d & L are same name (2) + $t \leq 90^{\circ}$ - d & L are contrary - $t > 90^{\circ}$	

CALCULATED AZIMUTH

AGETON CLASSIC	COMPUTATIONAL METHOD
d _____ B t _____ $+A$ _____ Hc _____ $-B$ _____ A^{-1} _____ Z _____ $^{\circ}$ '	d _____ \cos _____ t _____ $* \sin$ _____ Hc _____ $/ \cos$ _____ \sin^{-1} _____ Z _____ $^{\circ}$ '
RULES FOR Z_n Position of you (y) verses body (b): b is north and east of y : $Z_n = Z$ b is south and east of y : $Z_n = 180 - Z$ b is north and west of y : $Z_n = 360 - Z$ b is south and west of y : $Z_n = 180 + Z$	

PRIME VERTICAL

AGETON CLASSIC	COMPUTATIONAL METHOD
d _____ A L _____ $-A$ _____ A^{-1} _____ P_v _____ $^{\circ}$ '	d _____ \sin _____ L _____ $/ \sin$ _____ \sin^{-1} _____ P_v _____ $^{\circ}$ '
d _____ A L _____ $-B$ _____ A^{-1} _____ Z _____ $^{\circ}$ '	d _____ \sin _____ L _____ $/ \cos$ _____ \sin^{-1} _____ Z _____ $^{\circ}$ '
RULES FOR Z_n Position of you (y) verses body (b): b is north and east of y : $Z_n = 90 - Z$ b is south and east of y : $Z_n = 90 + Z$ b is north and west of y : $Z_n = 270 + Z$ b is south and west of y : $Z_n = 270 - Z$	