

PROJECT				ALTITUDE AND AZIMUTH (SIN-COS)											
				For use of this form, see FM 3-34.331; the proponent agency is TRADOC.											
LOCATION				ORGANIZATION								DATE (YYYYMMDD)			
STATION				ASSUMED LAT.(L_A)				ASSUMED LONG. (λ_A)				WATCH FAST (-) SLOW (+)			
INSTRUMENT (Number and type)				OBSERVER											
Star															
Declination (d) \pm	H	M	S	H	M	S	H	M	S	H	M	S	H	M	S
Watch															
Corr. slow +, fast- \pm															
UT															
G. Sid. T. $\text{---}^d \text{---}^h \text{---}^m \text{---}^s$ UT															
Mean time interval to sid. time (corr.)															
G. Sid. T.															
Long. (λ_A) E +, W - \pm															
Local Sid. T.															
R. A.															
M. A.															
M. A. (arc) t															
Sin L_A															
Sin δ															
A (product)															
Cos L_A															
Cos δ															
Cos t															
B (product)															
A															
Sin H_C^*															
H_C															
H_O															
Intercept ($H_O > H_C =$ Intercept "To")															
Cos δ															
Sin t															
C (product)															
Cos H_C															
Sin Z ($C \div \text{Cos } H_O$)															
Z															
Asimuth Z_N															
* When L and δ have same sign: Sin $H_C = A+B$ if M. A. $< 90^\circ$ and $A - B$ if M. A. $> 90^\circ$ When L and δ have opposite sign: Sin $H_C = A-B$ if M. A. $< 90^\circ$ and $A + B$ if M. A. $> 90^\circ$															
COMPUTED BY				DATE (YYYYMMDD)				CHECKED BY				DATE (YYYYMMDD)			