FIELD SHEET, INFRARED

For use of this form, see FM 3-34.331; the proponent agency is TRADOC.

PROJECT					
ORGANIZATION			DATE *(YYYYMMDD)*	APPROXIMATE DISTANCE	
ZERO CORRECTION*	CALIBRATION DATE *(YYYYMMDD)*	OBSERVER		RECORDER	
INSTRUMENT STATION	H.I.	ELEVATION	ELEVATION INSTRUMENT	ECCENTRICITY* TOWARD: AWAY:	INST. NO.
REFLECTOR STATION	H.T.	ELEVATION	ELEVATION REFLECTOR	ECCENTRICITY* TOWARD: AWAY:	PRISM. NO.

METEOROLOGICAL READINGS

	TIME	PRESSURE (Hg) IN. MM.	TEMP. (DRY) F° C°
INSTRUMENT			
REFLECTOR			
SUM			
MEAN			
CORRECTION FACTOR (PPM)			

PRODUCT = UD x PPM
RC = PRODUCT x 10^{-6}
T = UD ± Z ± RC
H′ = $(T)^2 - (d)^2$
H′ = SIN ZD x T
H_{Ft} = H′ x 3.280840

ZD INSTRUMENT TO REFLECTOR

	DISTANCE *(Meters)*	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
SUM		

UD		MEAN UNCORRECTED SLOPE DISTANCE (UD)		
PPM		ZERO CORRECTION° (Z)		
PRODUCT		REFRACTIVE INDEX CORRECTION (RC)		
RC		CORRECTED SLOPE DISTANCE (T)		
DIFF. OF ELEV. (d)		UNCORRECTED HORIZON DISTANCE (H′)		
		ECCENTRIC CORRECTION* (EC)		
		HORIZON DISTANCE (H_m) / (H_{Ft})		

° Obtained from Instrument Calibration.
*Toward Eccentricity must be ADDED.
Away Eccentricity must be SUBTRACTED.

REMARKS

COMPUTED BY	DATE *(YYYYMMDD)*
CHECKED BY	DATE *(YYYYMMDD)*