COMPUTATION OF COORDINATES AND HEIGHT FROM AZIMUTH, DISTANCE, AND VERTICAL ANGLE (MSR)

COMPUTER	NOTEBOOK REFERENCE	DATE
CHECKER	AREA	SHEET OF SHEETS

INSTRUCTIONS

1. Select SURVEY CALC (B) from the MODE MENU.
2. Select TRAVERSE (B) from the SURVEY CALCULATIONS MENU.
3. Select the desired record from the TRAVERSE SUMMARY LIST.
4. Observe the required fields and enter the desired data.

NOTES:
1. Press ENTER to display the window of legal entries.
2. Enter field data in blocks marked ▶
3. Step MAIN/OFFSET is not required for first leg.
4. Press ENTER to remove window of legal entries before pressing "C" to calculate.

REQUIRED FIELDS	DATA RECORD	
ENTER NAME REAR STA: ?	NAME REAR STA:	NAME REAR STA:
ENTER NAME OCC STA: ?	NAME OCC STA: NUMBER:	NAME OCC STA: NUMBER:
ENTER EAST OCC STA: ?	EASTING:	EASTING:
ENTER NORTH OCC STA: ?	NORTHING:	NORTHING:
ENTER HEIGHT OCC STA: ?	HEIGHT:	HEIGHT:
ENTER AZIMUTH TO REAR: ?	AZ TO REAR (MILS):	AZ TO REAR (MILS):
ENTER NAME FWD STA: ?	NAME FWD STA:	NAME FWD STA:
MAIN/OFFSET:? (SEE NOTE 3)	(MAIN) (OFFSET)	(MAIN) (OFFSET)
ENTER HORZ ANGLE TO FWD STA:?	HORZ ANGLE (MILS): ▶	HORZ ANGLE (MILS): ▶
ENTER VERT ANGLE TO FWD STA:?	VERT ANGLE (MILS): ▶ ±	VERT ANGLE (MILS): ▶ ±
RECIPROCAL VERT ANGLE (Y/N)	(RECIPROCAL)(NONRECIPROCAL)	(RECIPROCAL)(NONRECIPROCAL)
HORZ OR SLOPE DIST:?	DISTANCE: (HORZ) (SLOPE) ▶	DISTANCE: (HORZ) (SLOPE) ▶
RECORD NAME REAR STA: ?	NAME REAR STA:	NAME REAR STA:
RECORD NAME OCC STA: ?	NAME OCC STA: NUMBER:	NAME OCC STA: NUMBER:
RECORD EAST OCC STA: ?	EASTING:	EASTING:
RECORD NORTH OCC STA: ?	NORTHING:	NORTHING:
RECORD HEIGHT OCC STA: ?	HEIGHT:	HEIGHT:
RECORD AZIMUTH TO REAR: ?	AZ TO REAR (MILS):	AZ TO REAR (MILS):
REMARKS:	NAME FWD STA:	NAME FWD STA:
	(MAIN) (OFFSET)	(MAIN) (OFFSET)
	HORZ ANGLE (MILS): ▶	HORZ ANGLE (MILS): ▶
	VERT ANGLE (MILS): ▶ ±	VERT ANGLE (MILS): ▶ ±
	(RECIPROCAL)(NONRECIPROCAL)	(RECIPROCAL)(NONRECIPROCAL)
	DISTANCE: (HORZ) (SLOPE) ▶	DISTANCE: (HORZ) (SLOPE) ▶

CLOSURE/ADJUSTMENT

NOTES:
1. Observe closure screen by pressing "T".
2. Remove window of legal entries by pressing "ENTER" before pressing "C" to calculate.
3. Press "T" from completed closure screeen to view adjusted traverse data.

INSTRUCTIONS	DATA RECORD	
	CLOSURE DATA	ADJUSTED DATA
ENTER CLOSING ANGLE:?	CLOSING ANGLE (MILS):	STATION NAME:
ENTER AZIMUTH FWD STA:?	KNOWN AZ FORWARD (MILS):	EASTING:
ENTER HEIGHT CLOSING STA:?	KNOWN HEIGHT (METERS):	NORTHING:
ENTER EAST CLOSING STA:?	KNOWN EASTING:	HEIGHT (METERS):
ENTER NORTH CLOSING STA:?	KNOWN NORTHING:	ADJUSTED AZ TO REAR (MILS):
ENTER 4TH/5TH ORDER:?	4 OR 5	
PRESS ENTER THEN "C" TO CALCULATE		
RECORD CMPT AZ FWD:	CMPT AZ FORWARD (MILS):	STATION NAME:
RECORD TOTAL AZ CORRECTION:	TOTAL AZ CORRECTION (MILS):	EASTING:
RECORD TOTAL HEIGHT CORRECTION:	TOTAL HEIGH CORRECTION (METERS):	NORTHING:
RECORD TOTAL TRAVERSE LENGTH:	TOTAL TRAVERSE LENGTH (METERS):	HEIGHT (METERS):
RECORD RADIAL ERROR:	RADIAL ERROR (METERS):	ADJUSTED AZ TO REAR (MILS):
RECORD ACCURACY RATIO:	ACCURACY RATIO:	
	ADJUSTED DATA	
RECORD STATION NAME:	STATION NAME:	STATION NAME:
RECORD STATION EASTING:	EASTING:	EASTING:
RECORD STATION NORTHING	NORTHING:	NORTHING:
RECORD STATION HEIGHT:	HEIGHT (METERS):	
RECORD AZ TO REAR:	ADJUSTED AZ TO REAR (MILS):	ADJUSTED AZ TO REAR (MILS):

REMARKS: