

THIRD-ORDER NOTEKEEPING

This GTA shows examples of a correct procedure for recording and reducing field notes on DA Forms 4446 and 5817.

Samples include—

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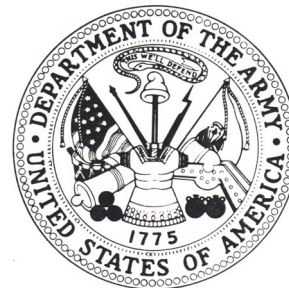
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Department
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DESIGNATION 28/US/PT/A/85 DATE 10 Jul 2001

STA	H DIST	H SCALE	RI	V SCALE	PROD ±
		π	@ STA	A	
1	86	100	0.86	47	-2.6
2	328	99	3.31	56	+19.7
3	171	97	1.76	33	-29.9
4	131	98	1.34	64	+18.8
STATION POINT NUMBERS ASSIGNED BY PARTY CHIEF					
$H \text{ DIST} = H \text{ SCALE} \times R.I.$					
H SCALE READ FROM INSTRUMENT					
R.I. READS BY INSTRUMENT OPERATOR					
V SCALE READ FROM INSTRUMENT					
$PROD = R.I. \times (\# \text{ SCALE} - 50)$					

SAMPLE

π SP5 HARRIS ϕ PFC DAVIS K/E ALIDADE #623
 ∇ SP4 THOMAS ϕ PFC POOLE CLEAR, COLD, CALM

RC	D.E. ±	H.I.	ELEV	REMARKS
	4.4	170.1	165.7	
8.2	-10.8		159.3	POWER POLE
9.5	+10.2		180.3	CORNER OF BLDG
4.2	-34.1		136.0	CORNER OF FENCE
4.8	+14.0		184.1	10" OAK TREE
R.I. READ BY INSTRUMENT OPERATOR				
D.E. = PROD - R.C.				
H.I. = INSTRUMENT ELEVATION				
ELEV = H.I. + D.E.				
IDENTIFICATION OF POINT OBSERVED				

Planetable

FROM STATION TP-4 TO STATION TP-5

CHIEF TAPEMAN SPS CALDER TAPE NOS LURFKIN #1864

DATE 10 July 2001 WEATHER CLEAR, WARM, CALM

STATION		TEMP		DISTANCE	% OF SLOPE		SET-UP	SET-BACK
FROM	TO	FRONT	REAR		FWD	BKWD		
TP-4		55		30,000				
		55		30,000				
		56		30,000				
		55		30,000				
		55		30,000				
	TP-5	55		4,779				
				154,779				
TP-5		56		30,000				
		56		30,000				
		55		30,000				
		55		30,000				
		54		30,000				
	TP-4	54		4,802				
				154,802				

TAPE SUPPORT	INCL CORR	TEMP CORR	CAL CORR	REMARKS
2		-0.002	+0.021	
2		-0.002	0.021	
2		-0.002	0.021	
2		-0.002	0.021	
2		-0.002	0.021	
2		—	0.003	
		-0.010	+0.108	CORR DIST 154.877
2		-0.003	0.021	
2		-0.003	0.021	
2		-0.002	0.021	
2		-0.002	0.021	
2		-0.002	0.021	
2		—	0.003	
		-0.012	+0.108	CORR DIST 154.898
				E.C. = 0.021
				MN DIST = 154.888
				B.C. = 1/7700

SAMPLE

Horizontal Taping

DESIGNATION TT-4 (USAES) C2 DATE 10 Jul 2001

STATION	D/R	O	I
1 FB-29 (ERDL) 58	D	00	00
	R	180	00
FB-32 (ERDL) 58	D	184	16
	R	04	16
2 FB-29	R	270	05
	D	90	05
FB-32	R	94	21
	D	274	21
1 FB-32	D	00	00
	R	180	00
FB-29	D	175	44
	R	355	44
2 FB-32	R	270	05
	D	90	05
FB-29	R	85	49
	D	265	49

SAMPLE

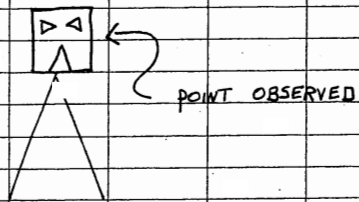
T SP5 RUIZ WILD T-2 51005
M SP4 PURVIS CLEAR, COOL, CALM

	MN "			
11	MN "			
31				
26	28.5			
36				
30	33.0	184	16	04.5
32				
33	32.5			
37				
38	37.5	184	16	05.0
		MN 184	16	04.8
29				
14	21.5			
16				
04	10.0	175	43	48.5
09				
11	10.0			
03				
08	05.5	175	43	55.5
		MN 175	43	52.0

Traverse Angle (1.0")

DESIGNATION WHEELER (DMS) 72 DATE 10 Jul 2001

STATION	TIME	D/R	O	I
1 DEWITT (USAFES) 65	1015	D	91	16
		R	268	43
		SUM	359	59
2 DEWITT		D	91	16
		R	268	43
		SUM	359	59

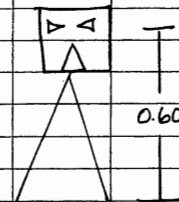


SAMPLE

SP5 HERSHAL WILD T-2 98723
 SP4 MORRIS CLOUDY, COOL, CALM

"				
33 +	02.0 =	35.0	H.I. =	1.40
23 +	02.0 =	25.0		
56 +	04.0 =	60.0		
			91	16 35.0
36 +	01.5 =	37.5		
21 +	01.5 =	22.5		
57 +	03.0 =	60.0		
			91	16 37.5
			MN	91 16 36.2

TARGET SHOWN



Zenith Distance (1.0")

ZENITH DISTANCE/VERTICAL ANGLE

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

STATION LESLIE (30TH ENGR BN) 61 DATE (YYYYMMDD) 2001 07 10

INSTRUMENT MAN SP5 HANKS INSTRUMENT WILD T-3 51005
 RECORDER SP4 HARMON WEATHER CLEAR, COOL, CALM

OBJECT OBSERVED	CHRON TIME			STOP WATCH	TEL D/R	CIRCLE	
	H	M	S			0	1
HARRY (DMA) 72					D	00	00
					R	180	00
Tom (DMA) 72					D	51	00
					R	230	59
JOHN (DMA) 72					D	108	14
					R	288	14
HARRY					R	202	00
					D	22	00
Tom							
					R	253	00
					D	73	00
JOHN							
					R	310	14
					D	130	14
HARRY					D	45	02
					R	225	02
Tom					D	96	02
					R	276	02
JOHN					D	153	16
					R	333	16

SAMPLE

MICRO			MEAN	ZEN DIST	REMARKS	LEVELS	
1ST	2D					W	E
10.8	11.0	10.9					
09.2	09.2	09.2					
03.0	03.2	03.1					
59.8	60.0	59.9			50	59	57.5
37.2	37.4	37.3					
34.8	34.8	34.8			108	14	26.0
23.8	24.0	23.9					
26.0	26.2	26.1					
16.6	16.6	16.6					
18.0	18.0	18.0			50	59	52.3
50.0	49.8	49.9					
51.0	51.2	51.1			108	14	25.5
36.8	37.0	36.9					
34.0	34.0	34.0					
24.0	24.0	24.0					
21.8	21.8	21.8			50	59	47.5
59.8	60.0	59.9					
56.2	56.4	56.3			108	14	22.7

Triangulation (0.2")

