

STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 1
 LINE No.(s) UG PARTY No. 1473 DATE 28 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												470.5				470.17
2		405'	87	53	40			5.0		-9.7	460.8		Δ	78024	TBM	
3		✓	270	03	25			5.0					Δ			
4		0	✓					5.0		-5.0		455.8	κ	3		
5		990	87	54	20			11.0		+24.8		485.6	o	2+770		
6		✓	272	02	48			11.0					o			
7																
8		2975	89	33	05			11.0		-12.3	474.3		Δ			
9		✓	270	24	08			11.0					Δ			
10		2205	89	28	28			11.0		+9.3		493.6		2		
11		1435	91	11	40			11.0		-40.9		433.4		1+990		
12		445	✓					13.8		-13.8		460.5		1		
13		0	✓					5.0		-5.0		469.3	κ	TS1-1245		
14		665	89	51	20			11.0		-9.3		465.0	o	TS1-550		
15																
16		4070	90	32	58			11.0		+49.6	514.6		Δ			
17		3520	90	53	10			11.0		-65.2		449.4		TS1		
18		1760	91	53	43			11.0		-69.1		445.5		TS2		
19		0	✓					5.0		-5.0		509.6	κ	TS3		
20		770	89	48	20			11.0		-8.4		506.2	o	TS3+770		

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 2
 LINE No.(s) US PARTY No. 1173 DATE 2.8 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											506.2				
2		2420	88	48	50			11.0	-39.2	467.0		Δ	TS 3+770		
3		1430	88	50	17			11.0	+18.0	485.0			TS 4		
4		0	✓					50	-5.0	462.0		K	TS 4+1430		
5		330	92	42	20			4.5	-20.1	441.9			TS 5		
6		2090	91	19	07			4.5	-52.5	414.5			TS 6		
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Umia STATE or PROVINCE Alaska PAGE No. 3
 LINE No.(s) UG PARTY No. 1173 DATE 28 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. Tippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		405'	87	53	40				5.0	-9.7	460.8	470.5	Δ	78024	470.67
3	✓		272	03	25				5.0				Δ		
4	0	✓							5.0	-5.0		455.8	π	3	
5	0	✓							5.0	-5.0		455.8	0	3	
6	0	✓							5.0				0		
7															
8		1430	91	11	35				11.0	+21.3	492.1		Δ		
9	✓		268	45	33				11.0				Δ		
10	0	✓							5.0	-5.0		492.1	π	3+1430	
11	330	✓	88	47	20				11.0	-4.2		492.9	0	4	
12	✓		271	09	34				11.0				0		
13															
14		2090	83	25	30				11.0	-9.2	483.8		Δ		
15	✓		270	31	31				11.0				Δ		
16	660	✓	95	01	00				11.0	-168.7		415.1		4+1430	
17	330	✓	95	22	10				11.0	-41.9		441.9		5	
18	0	✓							5.0	-5.0		478.8	π	5+330	
19	880	✓	86	49	08				11.0	+37.5		521.3	0	5+1210	
20	✓		273	08	08				11.0				0		

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AREA Umiaf STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) UG PARTY No. 1173 DATE 28 Day 2 Mo 78 Yr. BOOK No. _____
 SURVEYOR R Tippel RODMAN K Barr WEATHER: clear P.T.S.: No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		2310	91	48	42			11.0	+84.9	606.1		Δ	5+1210		
3	✓	268	08	20				11.0				Δ			
4		1760	91	54	24			11.0	-69.5	536.6			6		
5	✓	0	✓					5.0	-5.0	601.1		π	7		
6		1760	87	29	05			10.0	+67.3	673.4			8		
7		2750	87	35	12			11.0	+103.8	709.9		0	8+990		
8	✓	272	21	52				11.0				0			
9															
10		446	90	17	50			11.0	+13.5	723.4		Δ			
11	✓	269	39	14				11.0				Δ			
12	✓	0	✓					5.0	-5.0	718.4		π	8+1430		
13		330	89	19	40			11.0	-7.1	716.3			9		
14		660	90	38	30			11.0	-18.7	704.7		0	9+330		
15	✓	269	18	28				11.0				0			
16															
17		1430	86	46	04			11.0	-69.0	635.7		Δ			
18	✓	273	10	50				11.0				Δ			
19	✓	0	✓					5.0	-5.0	630.7		π	10		
20		990	92	43	06			11.0	-57.9	577.8			10+990		

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 5
 LINE No.(s) U 6 PARTY No. 1173 DATE 2.8 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		1760	91	12	30			11.0	-48.1	587.6			11		
3		2530	90	51	12			11.0	-49.7	586.0	0		11+770		
4		✓ 269	05	44				11.0			0				
5															
6		1320	89	32	12			11.0	+0.9	586.1		Δ			
7		✓ 270	24	26				11.0				Δ			
8		330	✓					12.2	-12.2	574.7			12		
9		0	✓					5.0	-5.0	581.1		π	12+330		
10		880	92	26	50			21.0	HR -59.6	528.3			12+1210		
11		1430	90	42	10			11.0	-28.5	558.4			13		
12		2640	89	37	38			11.0	+5.2	592.1	0		13+1210		
13		✓ 270	19	21				11.0			0				
14															
15		2310	90	01	40			11.0	+12.9	605.0		Δ			
16		✓ 269	55	34				11.0				Δ			
17		1760	90	50	09			11.0	-36.6	568.4			14		
18		1210	92	50	55			21.0	HR -86.1	523.9			14+550		
19		0	✓					5.0	-5.0	600.0		π	15		
20															

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 6
 LINE No.(s) UG PARTY No. 1173 DATE 28 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1760	88	09	06				15.0	+41.2	646.2	0	16	(78025) TBM		
3		✓	271	48	27				15.0			0				
4											646.2		TBM	78025	blb 22	
5																
6											+0.1			MISTIE PLAW		
7																
8											646.2					
9		990	88	28	15				15.0	-11.0	634.5		16	(78025)		
10		✓	271	28	34				15.0							
11		0	✓						5.0	-5.0	629.5			16+990		
12		770	92	50	25				11.0	-49.1	585.4		17			
13		1320	92	49	40				11.0	-76.1	558.4		17+550			
14		2530	90	47	55				11.0	-47.3	587.2	0	18			
15		✓	269	08	50				11.0			0				
16																
17		1760	90	06	28				11.0	+15.2	602.2					
18		✓	269	49	58				11.0							
19		770	91	43	55				11.0	-34.3	567.9		18+990			
20		0	✓						5.0	-5.0	597.2		19			

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 7
 LINE No. (s) U.G. PARTY No. 1173 DATE 28 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. Teppisch RODMAN K. Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1														
2		770	89	08	55			11.0	+0.1		602.3	0	19+770	
3		✓ 270	48	00				11.0				0		
4														
5		2750	90	59	46			11.0	+59.8	662.0		Δ		
6		✓ 268	57	15				11.0				Δ		
7		1760	92	19	38			4.5	-75.9		586.1		20	
8		0	✓					5.0	-5.0		657.0	κ	21	
9		550	86	54	40			11.0	+18.4		680.4	0	21+550	
10		✓ 273	02	00				11.0				0		
11														
12		1415	92	02	22			11.0	+62.0	741.9		Δ		
13		✓ 267	54	26				11.0				Δ		
14		205	92	41	10			11.0	-20.6		721.3		22	1210
15		0	✓					5.0	-5.0		736.9	κ	22+205	1205
16		1555	90	21	05			11.0	-21.2		720.7	0	23	
17		✓ 269	35	34				11.0				0		
18														
19	STADIA	*1880	95	11	10			11.0	+181.6	902.1		Δ		
20	DISC	✓ 264	46	10				11.0				Δ		

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STADIA SURVEY NOTES

AREA Umia STATE or PROVINCE Alaska PAGE No. 3
 LINE No.(s) UG PARTY No. 1173 DATE 23 - Day 2 Mo. 78 Yr. BOOK No.
 SURVEYOR R. Ippisch RODMAN K. Barr WEATHER: Clear P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											902.1				
2		440	101	56	36			1.0	-92.1		810.0		23+1430		
3		110	101	50	25			4.5	-27.1		875.0		24		
4		0	✓					5.0	-5.0		897.1	π	24+110		
5	1100	440	85	01	27			11.0	+83.8		985.9	0	24+1210		
6		✓	274	54	52			11.0				0			
7															
8		532	90	27	17			11.0	+15.4	1001.3		Δ			
9		✓	269	30	00			11.0				Δ			
10		0	✓					5.0	-5.0		996.3	π	24+1742 (78026)		
11											996.3	T.R.M.	78026	996.25	
12															
13											71.7		MISSE ROW		
14															
15											996.3	T.B.M.	78026		
16												Δ	24+1742 = 78026		
17												Δ			
18															
19															
20															

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 9
 LINE No.(s) UG PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Abs. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												996.3				
2		1228	88	40	45			15.0		-12.5	984.1		Δ	78026		
3		✓ 271		14	46			15.0					Δ			
4		1210	88	48	02			11.0		+14.4		998.5		25		
5		0	✓					5.0		-5.0		979.1	π	25+1210		
6		550	92	17	05			11.0		-32.9		951.2		26		
7		2310	92	16	48			11.0				880.2	0	27		
8		✓ 267		39	50			11.0		-103.9			0			
9																
10		1210	86	58	18			11.0		-52.4	828.2		Δ			
11		✓ 272		58	22			11.0					Δ			
12		0	✓					5.0		-5.0		823.2	π	27+1210		
13		220	95	12	20			1.0		-21.0		807.2		27+143		
14		550	91	54	35			11.0		-29.3		798.9		28		
15		2310	88	24	12			11.0		+52.6		880.8	0	29	28 → 29-1760'	
16		✓ 271		33	10			11.0					0		29 → 30-880'	
17																
18		2640	89	12	18			11.0		-24.8	856.7		Δ			
19		✓ 270		4.5	13			11.0					Δ			
20		1760	89	09	10			11.0		+15.1		871.3		30		

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AREA Umiat STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) UG PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No.
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: clear P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		880	89	35	30				11.0	-4.7		851.5		31		
3		0	✓						5.0	-5.0		851.2	κ	32		
4		880	92	17	18				11.0	-46.1		810.1		33		
5		1210	92	34	28				11.0	-65.6		790.6	0	33+330		
6		✓ 267	23	43					11.0				0			
7																
8		2640	88	31	09				11.0	-56.5	734.2		Δ			
9		✓ 271	26	28					11.0				Δ			
10		2090	88	55	55				11.0	728.0		762.2		34		
11		1210	90	13	00				11.0	-15.5		718.7		35		
12		880	91	28	00				11.0	-33.5		700.7		35+330		
13		330	91	17	30				11.0	-18.4		715.0		36		
14		0	✓						5.0	-5.0		729.2	κ	36+330		
15		630	90	22	45				15.0	-19.2		715.0		1861-UG		
16	*	478	✓						6.0	-6.1		728.1	0	36+802 INT U9=185+474		
17		✓	✓						6.2				0			
18																
19		0	✓						5.0	+5.0	733.4		Δ	36+802		
20		0	✓						5.0				Δ			

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STADIA SURVEY NOTES

AREA Umiaut STATE or PROVINCE Alaska PAGE No. 11
 LINE No.(s) UG PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		0	✓					5.0		-5.0	728.4	K	36+802		
3		2143	90	10	50			15.0		-22.4		O	78027		
4		✓	269	46	42			15.0			711.0	O		711.03	
5											711.0	TBM	78027		
6											+ 1.4	Mist	RAW		
7															
8			✓												
9											711.0				
10		2143	90	10	50			15.0		+22.4	733.4	Δ	78027		
11		✓	269	46	42			15.0				Δ			
12		0	✓					5.0		-5.0	728.4	K	36+802		
13		78'	88	00	20			14.0		-8.3	725.1		37		
14		958	91	45	45			11.0		-46.4	693.0		38		
15		1508	92	10	05			11.0		-68.5	664.9	O	38+550		
16		✓	267	47	35			11.0				O			
17															
18		2090	87	02	30			11.0		-96.1	568.8	Δ			
19		✓	272	54	35			11.0				Δ			
20		1760	87	07	20			11.0		+77.4	646.2		39		

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AREA Umiat STATE or PROVINCE Alaska PAGE No. 12
 LINE No.(s) UG PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippel RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		880	86	39	50				11.0	+40.2	609.0			40		
3		0	✓						5.0	-5.0	563.8	π		41		
4		330	94	57	41				11.0	-39.5	529.3			41+330		
5		880	90	56	20				11.0	-25.4	543.4			42		
6		1760	89	43	40				11.0	-2.6	566.2			43		
7		2090	89	46	32				12.0	-3.4	565.4	0		43+330		
8		✓	270	11	13				11.0			0				
9																
10		1980	89	36	40				11.0	-1.9	563.4		Δ			
11		✓	270	21	10				11.0				Δ			
12		1430	89	49	12				11.0	-6.5	556.9			44		
13		550	92	03	45				11.0	-30.8	532.6			45		
14		0	✓						5.0	-5.0	558.4	π		45+550		
15		330	89	07	08				11.0	-5.9	557.5			46		
16		1210	90	02	58				11.0	-72.0	551.4			47		
17		2090	90	02	30				11.0	-12.4	551.0			48		
18		2970	89	33	40				11.0	10.9	574.3	0		49		
19		✓	270	23	50				11.0			0				
20																

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STADIA SURVEY NOTES

AREA Umia STATE or PROVINCE Alaska PAGE No. 15
 LINE No.(s) UG PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippel RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1760	88	35	10			11.0		-31.9	542.3		Δ	49		
3		✓	271	22	42			11.0					Δ			
4		880	89	09	34			11.0		+1.9		544.2		50		
5		0	✓					5.0		-5.0		537.3	κ	51		
6		880	88	14	35			11.0		+16.0		558.3		52		
7		1760	87	52	16			11.0				596.1	0	53		
8		✓	272	05	08			11.0		+53.8			0			
9																
10		880	91	06	55			11.0		+28.5	624.5		Δ			
11		✓	268	50	22			11.0					Δ			
12		0	✓					5.0		-5.0		619.5	κ	54		
13		22648	✓					8.9		-9.5		615.0	0	78028		
14		✓	✓					10.4					0			
15												615.0	TBM	78028	615.05	
16																
17												+0.1	MISTIE	RAW		
18																
19																
20																

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STADIA SURVEY NOTES

AREA Umia t STATE or PROVINCE Alaska PAGE No. 14
 LINE No.(s) U G PARTY No. 1173 DATE 1 Day 3 Mo. 79 Yr. BOOK No.
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											615.0	T B n	78028		
2		2264.8	✓					8.9	+9.5	624.7		Δ	78028		
3		✓	✓					10.4				Δ			
4		0	✓					5.0	-5.0		619.7	π	54		
5		880	90	50	27			11.0	-24.2		600.5	0	55		
6		✓	269	07	15			11.0				0			
7															
8		1430	89	24	05			11.0	-3.5	597.1		Δ			
9		✓	276	33	50			11.0				Δ			
10		550	94	11	13			11.0	-51.1		546.0		56		
11		0	✓					5.0	-5.0		592.1	π	56+550		
12		330	87	39	00			11.0	+2.5		599.6		57		
13		1210	88	43	32			11.0	+15.6		612.7	0	58		
14		✓	271	14	24			11.0				0			
15															
16		1760	90	11	38			11.0	+17.4	630.3		Δ			
17		✓	269	46	15			11.0				Δ			
18		880	89	53	43			11.0	-9.4		620.9		59		
19		0	✓					5.0	-5.0		625.3	π	60		
20		880	89	56	40			11.0	-10.1		620.2		61		

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 25
 LINE No.(s) UG PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. J. Pirsch RODMAN K. Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		1430	90	25	05			11.0	-21.8		608.5	0	61+550		
3		✓ 269	32	46				11.0				0			
4															
5		2090	88	58	33			11.0	-25.7	583.1		Δ			
6		✓ 270	59	07				11.0				Δ			
7		1760	89	04	44			11.0	+17.4		600.5		62		
8		880	89	13	55			11.0	+0.8		583.9		63		
9		0	✓					5.2	-5.0		578.1	K	64		
10		880	91	36	25			11.0	-35.7		547.4		65		
11		1760	90	00	40			11.0	-11.3		571.8		66		
12		2640	89	32	20			11.0	+10.4		593.5		67		
13		2970	89	38	55			11.0	+6.3		589.4	0	67+330		
14		✓ 270	18	36				11.0				0			
15															
16		3190	87	45	13			11.0	-113.3	476.5		Δ			
17		✓ 272	12	50				11.0				Δ			
18		2640	87	36	30			11.0	+99.3		575.8		68		
19		1760	89	07	32			11.0	+15.9		492.4		69		
20		880	✓					3.3	-3.3		473.2		70		

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 16
 LINE No.(s) U G PARTY No. 1173 DATE 1 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		0	✓						5.0		-5.0	471.5	K	71	
3		880	✓						5.9		-5.9	470.6		72	
4		1760	89	55	50				1.0		+1.2	477.7		73	
5		2640	89	35	33				11.0		+7.3	483.8	0	74	
6		✓	270	22	53				11.0				0		
7															
8		1650	92	18	50				11.0		+77.8	561.7	Δ		
9		✓	267	40	00				11.0				Δ		
10		770	94	54	08				11.0		-76.8	484.9		75	
11		0	✓						5.0		-5.0	556.7	K	75+770	
12		110	85	59	30				4.0		+3.7	565.4		76	
13		909	86	42	05				15.0		+37.2	598.9	0	76+799 (78029)	
14		✓	273	16	40				15.0				0	77	598.93
15												598.9	Δ	78029	
16												-1.4		MISTIE RAW	
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 17
 LINE No.(s) UG PARTY No. 1173 DATE 2 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												598.9	78029			
2		0	✓						5.0	+5.0	603.6		Δ	78029	=76+799	
3		0	✓						5.0				Δ			
4		0	✓						5.0	-5.0		598.1	78029	=76+799		
5		81	✓						4.6	-4.6		599.0		77		
6		961	✓						6.7	-6.7		596.9		78		
7		1841	89	30	31				11.0	+4.9		608.5		79		
8		2721	89	09	51				11.0	+27.8		631.4	0	80		
9		✓	270	47	27				11.0				0			
10																
11		880	90	15	32				11.0	+15.2	646.4		Δ			
12		✓	269	42	30				11.0				Δ			
13		0	✓						5.0	-5.0		641.4	78	81		
14		880	89	44	10				11.0	-6.9		639.5		82		
15		1760	90	05	03				11.0	-14.0		632.4	0	83		
16		✓	269	53	02				11.0				0			
17																
18		2235	89	22	24				11.0	-12.9	619.3		Δ			
19		✓	270	35	40				11.0				Δ			
20		1355	89	43	50				11.0	-4.6		614.7		84		

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STADIA SURVEY NOTES

AREA Umiat STATE OR PROVINCE Alaska PAGE No. 18
 LINE No.(s) UG PARTY No. 1173 DATE 2 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. Ippisch RODMAN K. Bar WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Finl Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		475	90	37	04			15.0		-20.1		599.2		85	
3		0	✓					5.0		-5.0		614.3	π	85+475	
4		405	91	28	55			11.0		-21.5		597.8		86	
5		1285	89	42	24			11.0		-4.7		614.6	0	87	
6		✓	270	15	50			11.0					0		
7															
8		1210	90	52	47			11.0		+29.9	644.3		Δ		
9		✓	269	05	24			11.0					Δ		
10		330	89	37	30			11.0		-8.8		635.5		88	
11		0	✓					5.0		-5.0		639.3	π	88+330	
12		550	91	09	25			11.0		-22.1		622.2		89	
13		1430	90	44	35			11.0		-29.5		614.8		90	
14		2310	90	41	03			11.0		-39.1		605.2	0	91	
15		✓	269	17	00			11.0					0		
16															
17		1430	89	50	25			11.0		+7.4	612.5		Δ		
18		✓	270	07	20			11.0					Δ		
19		550	89	54	00			11.0		-10.0		602.5		92	
20		0	✓					5.0		-5.0		607.5	π	92+550	

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STADIA SURVEY NOTES

AREA Umia STATE or PROVINCE Alaska PAGE No. 19
 LINE No.(s) U G PARTY No. 1173 DATE 2 Day 3 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		330	90	05	02			11.0		-11.5	601.0		93		
3		952	90	39	28			15.0		-26.2	586.3	0	78030 = 93 + 622		
4		✓ 269	18	24				15.0				0			
5											586.3		78030	586.34	
6															
7											10.9		MISTIE-RAW		
8															
9											586.3				
10		588	83	46	40			15.0		-48.5	537.8	Δ	78030 = 93 + 622		
11		✓ 276	10	46				15.0				Δ			
12		330	82	49	36			11.0		+30.2	568.0		94		
13		0	✓					5.0		-5.0	532.8	∇	94+330		
14		220	96	04	30			11.0		-34.4	503.4	0	94+550		
15		✓ 263	53	03				11.0				0			
16															
17		2090	86	23	04			11.0		-120.9	382.5	Δ			
18		1760	88	40	13			4.0		+36.9	419.4		TS 1		
19		880	89	59	30			11.0		-10.9	371.7		TS 2		
20		0	✓					5.0		-5.0	377.5	∇	TS 3		

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AREA Umiat STATE or PROVINCE Alaska PAGE No. 20
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 SURVEYOR R Tppisch RODMAN K Barr WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2		880	90	49	36			40		-16.7		365.9		TS4		
3		1760	89	50	50			11.0		-6.2		376.3		TS5		
4		2640	90	00	18			11.0		-11.1		371.4		TS6		
5		3520	89	55	30			11.0		-1.7		376.4	0	TS7		
6																
7		3520	89	52	50			11.0		+3.4	379.8		Δ	TS7		
8		2640	89	52	20			11.0		-5.0		374.8		TS8		
9		1760	89	46	28			11.0		-4.0		375.8		TS9		
10		880	89	43	35			11.0		-6.8		373.0	X	TS10		
11		0	✓					5.0		-5.0		374.8	X	TS11		
12		880	90	17	20			4.0		-8.4		371.4	0	TS12		
13																
14																
15																
16																
17																
18																
19																
20																

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