

### STADIA SURVEY NOTES

AREA Ikpikpok RIVER STATE or PROVINCE Alaska PAGE No. 1  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 18 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear -30° P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2		4070	90	05	07			15.0		+20.0	537.7	517	Δ	TS 4	(138-02 IBM)	
3		3190	90	51	56			15.0		-63.0	474.7		Δ	TS 5	[516.9]	
4		2310	91	01	12			15.0		-56.0	581.7		Δ	TS 6		
5		1430	91	24	35			15.0		-50.0	487.6			TS 7		
6		550	92	24	52			21.5		-27.7	510.1			TS 8		
7		0	✓					5.0		-5.0	532.7		κ	TS 8 + 550		
8		330	89	39	00			4.5		-2.5	535.2			TS 9		
9		1210	88	09	22			15.0		+24.0	561.7			TS 10		
10		2090	87	05	40			15.0		+91.0	628.7			TS 11		
11		2970	86	38	10			15.0		+159.5	697.2			TS 12		
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

STADIA SURVEY NOTES

1860

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 2  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 18 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Ippisch RODMAN K. Barr WEATHER: Clear -30 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											517.0				
2	W	2640	88	42	04			10.0	-49.2	467.8		Δ	TS4 = (138-02 TBM)		
3		✓ 271	15	51				10.0				Δ			
4		1760	89	06	15			10.0	+17.6		485.4		TS3		
5		880	89	03	02			10.0	+4.6		172.4		TS2		
6		0	✓					5.0	-5.0		462.8	×	TS1 PIPE (SP500 138)		
7	E	880	80					10.8	-10.8		457.0		SP1580		
8		815	✓					9.0	-9.1		458.2	0	78402 458.2		
9		✓	✓					9.2				0			
10											-0.5		Mistie Raw		
11															
12											458.2				
13	W	1860	89	37	14			10.0	-2.2	456.0		Δ	78402		
14		✓ 270	21	53				10.0				Δ			
15		880	✓					2.8	-2.8		453.2		1579		
16		0	✓					5.0	-5.0		451.0	×	1578		
17	E	880	90	10	25			15.0	-17.7		438.3		1577		
18		1760	96	01	35			15.0	-2.7		440.3		1576		
19		2640	89	59	21			15.0	-14.6		441.2	0	1575		
20		✓ 270	00	05				15.0				0			

TI-588B

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 3  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 18 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: Clear -30 P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. ○F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1760	✓						4.0		+4.2	445.2		Δ	1575	
3		✓	✓						4.5					Δ		
4		880	✓						4.7		-4.7	440.5			1574	
5		0	✓						5.0		-5.0	440.2	κ		1573	TARGET
6		880	✓						5.2		-5.2	440.0			1572	
7		1760	89	53	50				21.0	HR	-17.8	427.4			1571	
8		2640	89	52	00				15.0		-9.1	436.1	0		1570	
9		✓	270	07	05				15.0					0		
10																
11		2640	89	42	52				15.0		+2.0	437.9		Δ		
12		✓	270	16	18				15.0					Δ		
13		1760	✓						6.7		-6.6	431.3			1569	
14		880	90	02	28				15.0		-15.6	422.3			1568	
15		0	✓						5.0		-5.0	432.9	κ		1567	
16		880	✓						12.9		-12.9	425.0			1566	
17		1760	90	00	20				15.0		-15.1	422.8			1565	
18		2640	✓						9.9		-10.2	427.8	0		1564	
19		✓	✓						10.5					0		
20																

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Ikpikuk RIVER STATE or PROVINCE Alaska PAGE No. 4  
 LINE No. (s) 138 EX PARTY No. 1173 DATE 18 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. T. Ppisc! RODMAN K. Barr WEATHER: Clear -30° 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	✓						1.5	+1.7	429.3		Δ	1564		
3		✓	✓						2.0				Δ			
4		880	✓						10.8	-10.8	418.5			1563		
5		0	✓						5.0	-5.0	424.3	π		1562		
6		330	89	58	20				1.0	-0.8	428.5			1562+555		
7		880	87	05	04				5.0	+39.8	469.1			1561		
8		1210	86	31	18				3.0	+70.3	499.6	0		1560-550		
9		✓	273	27	51				3.0				0			
10																
11		1430	90	48	50				15.0	+35.5	535.0		Δ			
12		✓	269	10	00				15.0				Δ			
13		880	90	55	24				15.0	-29.2	505.8			1560		
14		330	90	34	37				5.0	-8.3	526.7			1559+33.0		
15		0	✓						5.0	-5.0	530.0	π		1559		
16		880	91	05	02				15.0	-31.7	503.3	0		1558		
17		✓	268	54	08				15.0				0			
18																
19		2750	88	08	12				15.0		428.8		Δ			
20		✓	271	50	57				15.0	-74.2			Δ			

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 5  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 19 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Ippisch RODMAN K. Baer WEATHER: Clear -30 P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	-	1370	89	03	54				15.0	+12.3		441.1		1557		
3		390	✓						4.7	-4.7		424.1		1556		
4		110	✓						12.3	-12.3		416.5		1555		
5		0	✓						5.0	-5.0		423.8	✕	1554+770		
6		770	✓						8.1	-8.1		420.7		1554		
7		1650	89	18	55				5.0	+14.8		443.6		1553		
8		2530	86	39	12				15.0	+132.4		561.3	0	1552		
9		✓	273	19	50				15.0				0			
10																
11		1760	96	00	49				15.0	+199.5	760.7		Δ			
12		✓	263	58	24				15.0				Δ			
13		880	95	41	50				15.0	-102.3		658.4		1551		
14		0	✓						5.0	-5.0		755.7	✕	1550		
15		330	86	59	40				10.0	+7.3		768.0		1549	550	
16		880	86	03	03				10.0	+80.5		811.2	0	1549		
17		✓	273	56	00				10.0				0			
18																
19		1760	91	29	10				15.0	+60.8	871.9		Δ			
20		✓	268	30	00				15.0				Δ			

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Ilepipuk RIVER STATE or PROVINCE Alaska PAGE No. 6  
 LINE No.(s) 13B EX PARTY No. 1173 DATE 19 Day 2 Mo. 28 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Ippisch RODMAN K Barr WEATHER: Clear -30 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		880	91	33	18			15.0	-38.9	833.0		1548		
3		0	✓					5.0	-5.0	866.9	K	1547	TARGET	
4		880	90	10	19			15.0	-17.6	854.3		1546		
5		1760	89	50	58			15.0	-10.6	861.3	O	1545		
6		✓	270	08	05			15.0			O			
7														
8		1810	89	04	24			15.0	-6.4	855.0	Δ			
9		✓	270	54	51			15.0			Δ			
10		430	89	50	15			15.0	-13.8	841.2		1544		
11		0	✓					5.0	-5.0	850.0	K	1543+450		
12		450	91	30	15			15	-16.3	838.7		1543		
13		1330	86	58	55			15.0	+55.1	910.1		1542		
14		2210	86	38	08			15.0	+114.5	969.5	O	1541		
15		✓	273	21	00			15.0			O			
16														
17		2264	89	50	43			15.0			Δ			
18		✓	270	08	15			15.0	-9.1		Δ			
19		0	✓					5.0		972.6	K	780.87	[973.62]	
20										-1.8		Mistie RAW		

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 7  
 LINE No. (s) 138 FX PARTY No. 1173 DATE 20 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			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1												973.7				
2		0	✓					5.0		+5.0	979.1		Δ	78037	T.B.M.	
3		0	✓					5.0					Δ			
4		0	✓					5.0		-5.0		974.1	π	78037		
5		2264	89	50	43			15.0		-9.1		970.9	0	1541		
6		✓	270	08	15			15.0					0			
7																
8		2640	89	01	04			15.0		-29.0	941.6		Δ			
9		✓	270	55	15			15.0					Δ			
10		1760	89	13	05			11.0		+13.1		954.7		1540		
11		880	90	17	22			11.0		-15.4		926.2		1539		
12		0	✓					5.0		-5.0		936.6	π	1538		
13		880	89	04	00			11.0		+3.4		945.0		1537		
14		1760	89	02	42			11.0		+18.4		960.0		1536		
15		2640	88	47	18			11.0		+44.1		986.7	0	1535		
16		✓	271	10	31			11.0					0			
17																
18		880	91	29	50			11.0		+34.0	1019.9		Δ			
19		✓	268	29	39			11.0					Δ			
20		0	✓					5.0		-5.0		1014.9	π	1534	TARGET.	

TI-598B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Umial STATE or PROVINCE Alaska PAGE No. 8  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 20 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippie & b RODMAN X 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															
2		550	89	34	17			11.0		-6.9	1013.0	0	1522+330		
3		✓ 270	25	10				11.0				0			
4															
5		660	86	23	55			11.0		-30.3	983.0	Δ			
6		✓ 273	34	40				11.0				Δ			
7		330	85	11	40			11.0		+16.6	999.6		1533		
8		0	✓					5.0		-5.0	978.0	X	1532+350		
9		550	93	18	22			11.0		-42.7	940.3		1532		
10		1430	93	14	04			11.0		-91.6	891.4		1531		
11		2310	92	41	00			11.0			863.7	0	1530		
12		✓ 267	18	05				11.0		-119.3		0			
13															
14		2090	89	43	52			11.0		+1.5	865.3	Δ			
15		✓ 270	14	55				11.0				Δ			
16		1210	92	48	28			11.0		-70.2	795.1		1529		
17		1100	93	57	23			11.0		-86.9	778.4		1528+170		
18		330	92	44	47			11.0		-26.8	838.5		1528		
19		0	✓					5.0		-5.0	860.3	X	1527+550		
20															

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_



### STADIA SURVEY NOTES

AREA Umiaf STATE or PROVINCE Alaska PAGE No. 9  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 20 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Jppisch 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		220	88	19	10			11.0	-4.6		860.7	0	1527+330	
3		✓	271	39	23			11.0				0		
4														
5		1100	86	01	27			14.0	-65.1	796.0		Δ		
6		✓	273	57	20			11.0				Δ		
7		770	87	23	43			4.5	+30.5		826.5		1527	
8		0	✓					5.0	-5.0		791.0	π	1524+110	
9		110	91	50	05			4.5	+8.0		788.0		1526	
10		990	85	11	25			11.0	+72.0		868.0		1525	
11		1870	85	19	58			11.0	+140.9		936.9	0	1524	
12		✓	274	38	48			11.6				0		
13														
14		990	91	24	12			11.0	+35.4	972.8		Δ		
15		✓	268	34	32			11.0				Δ		
16		110	87	42	40			11.0	-6.6		966.2		1523	
17		0	✓					5.0	-5.0		967.8	π	1522+720	
18		770	91	11	25			21.0	HR -37.0		935.8		1522	
19		1650	88	53	30			11.0	+21.0		993.8		1521	
20														

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 10  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 20 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Ippisch RODMAN K. Bass 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		2530	88	19	18			11.0		+62.7	1038.5	0	1520		
3		✓	271	39	14			11.0				0			
4															
5		2640	90	27	32			11.0		+32.4	1068.2	Δ			
6		✓	269	31	18			11.0				Δ			
7		1760	92	06	24			11.0		-75.6	992.6		1519		
8		880	92	10	25			11.0		-44.4	1023.8		1518		
9		0	✓					5.0		-5.0	1063.2	π	1517		
10		880	86	45	06			11.0		+38.9	1107.1		1516		
11		1210	87	75	15			11.0			1114.9	0	1515+550		
12		✓	272	43	12			11.0		+46.7		0			
13															
14		2310	89	53	38			11.0		+7.1	1122.5	Δ			
15		✓	270	05	01			11.0				Δ			
16		1760	89	44	06			11.0		-2.8	1119.7		1515		
17		880	90	15	35			11.0		-15.0	1107.5		1514		
18		0	✓					5.0		-5.0	1117.5	π	1513		
19		880	89	03	35			11.0		+3.5	1126		1512		
20		1760	88	34	30			11.0		+32.8	1155.3		1511		

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 11  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 20 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippisch RODMAN K Barr WEATHER: 1:04 pm Snowing, Poor Vis 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		2364	88	39	52			15.0		+39.8		1162.3	○	1510+276	Well
3		✓	271	18	55			15.0					○		
4															
5		826	89	40	23			15.0		+10.3	1172.7		△		
6		✓	270	18	20			15.0					△		
7		550	89	13	58			11.0		-3.6		1189.1	⊖	1510	
8		0	✓					5.0		-5.0		1167.7	⊖	1509+330	
9		330	90	04	00			11.0		-11.4		1161.3		1509	
10		1210	91	17	27			11.0		-28.2		1134.5		1508	
11		2090	91	29	15			11.0		-65.6		1107.1	○	1507	
12		✓	268	29	12			11.0					○		
13															
14		2310	88	31	08			11.0		-48.3	1058.8		△		
15		✓	271	27	18			11.0					△		
16		1430	88	24	34			11.0		+28.7	1087.5			1506	
17		550	88	18	22			11.0		+5.3		1064.1		1505	
18		0	✓					5.0		-5.0		1053.8	⊖	1504+230	
19		330	91	20	38			11.0		-18.7		1040.1	⊖	1504	EOL - PIPE
20		1210	91	31	15			11.0		-43.1		1015.7		TS1	

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Umiaf STATE or PROVINCE Alaska PAGE No. 12  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 20 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Tippisch RODMAN K. Barr WEATHER: snow 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	91	35	35				11.0		59.9		998.9	○	TS1+	550
3																
4		4730	88	08	30				11.0		-142.8	856.1		△		
5		4406	88	09	02				11.0		+131.4		987.5		TS 2	
6		3520	88	14	40				11.0		+97.1		953.2		TS 3	
7		2640	88	43	40				11.0		+47.8		903.8		TS 4	
8		1760	89	11	23				11.0		+14.0		870.0		TS 5	
9		880	89	55	50				11.0		-9.9		846.2		TS 6	
10		0	✓						5.0		-5.0		851.1	π	TS 7	
11		550	89	18	05				11.0		-4.3		851.8	○	TS7+550	
12																
13		15740	89	42	52				11.0		+3.3	855.1		△		
14		1660	91	17	10				11.0		-25.8		829.3		TS 8	
15		60	✓						5.0		5.0		850.1	π	TS 8+660	
16		220	89	28	27				11.0		-9.0		846.1	π	9	
17		1100	91	17	35				11.0		-35.8		819.3		TS 10	
18		1980	90	18	12				11.0		-21.4		833.7		TS 11	
19		2860	90	22	55				11.0		-29.9		825.2		TS 12	
20																

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 13  
 LINE No.(s) 138 EX PARTY No. 1173 DATE 21 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Cloudy -10° 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		1250	✓					10.7		+11.2		Δ	Well	
3		✓	✓					11.7				Δ		
4		0	✓					3.0		-5.0		π	TP1	
5		1760	88	28	12			15.0		+31.5	1705.4	○	TP2	
6		✓	271	30	02			15.0				○		
7														
8		1220	89	49	20			15.0		+11.6		Δ		
9		✓	270	68	32			15.0				Δ		
10		0	✓					5.0		-5.0		π	TP3	
11		2280	89	52	11			15.0		-10.3	1207.2	○	TP4	
12		✓	270	06	15			15.0				○		
13														
14		1350	91	54	22			15.0		+69.2		Δ		
15		✓	268	09	07			15.0				Δ		
16		0	✓					5.0				π	TP5	
17		735'	88	32	51			5.0		+13.5	1281.0	○	ANDY 1277	
18		✓	271	25	28			5.0				○	(1281)	
19											1281.0	Δ	ANDY: 1281.0	
20														

-4.3 MISTIE RAN

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_