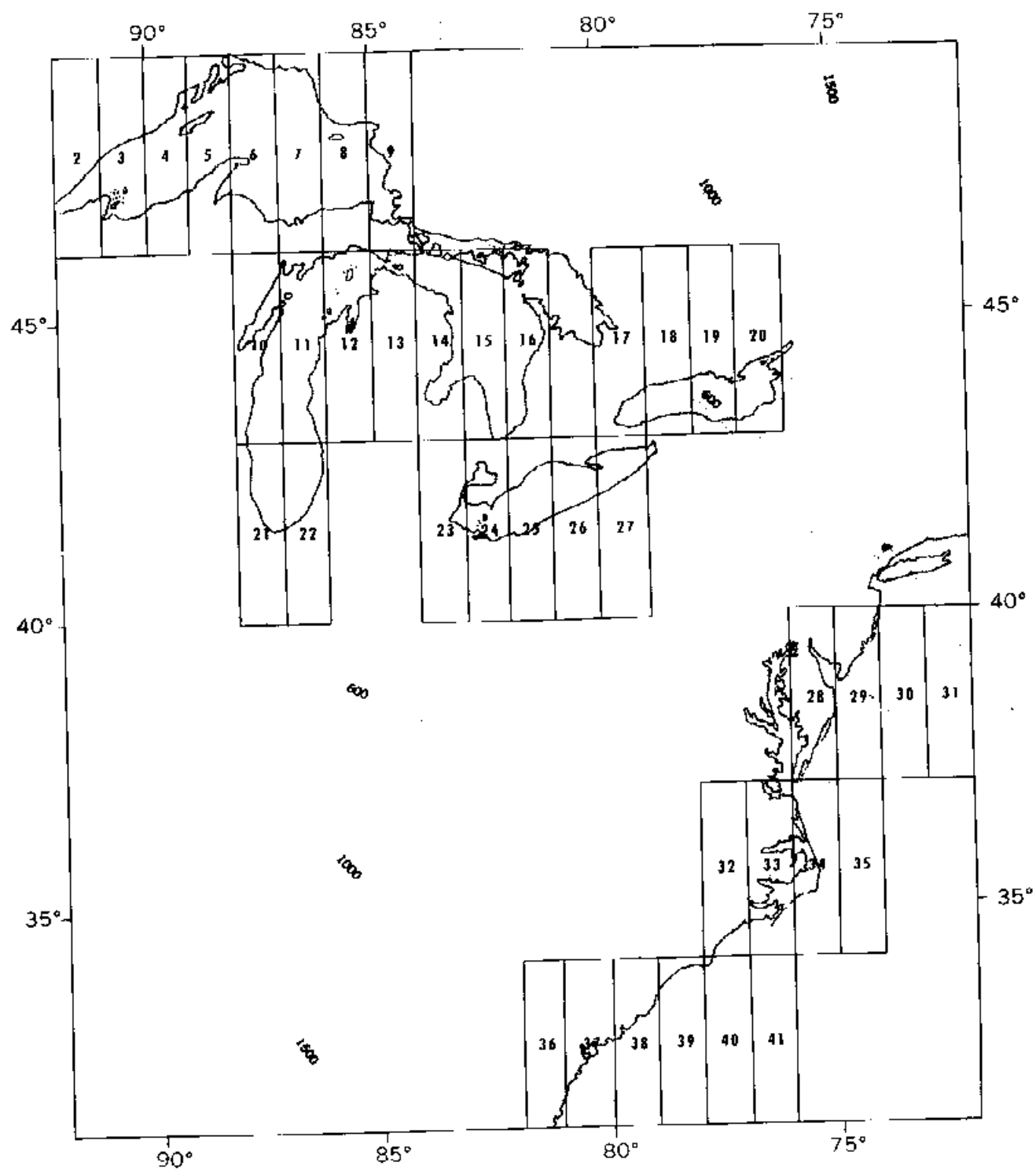


PAGE INDEX FOR SECONDARY PHASE CORRECTIONS FOR 8970-X

1X



Corrections on each page cover an area three degrees in latitude and one degree in longitude and are in increments of five minutes of arc. Dashed lines show hyperbolic lane expansion in feet per microsecond

8970-X

[illegible]

[illegible]

8970-X

8970-X

		LONGITUDE WEST												
		90° 0'	55	50	45	40	35	30	25	20	15	10	5	89° 0'
LATITUDE NORTH	49° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20											0.6	0.6	
	15											0.7	0.8	
LATITUDE EAST	10										0.5	0.8	0.8	
	5										0.5	0.5	0.8	0.8
	48° 0'							0.3	0.3	0.5	0.5	0.5	0.9	0.8
	55										0.4	0.5	0.9	
	50					0.6	0.3	0.3	0.3	0.3	0.3	0.4		
	45	0.6	0.7	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3		0.3	0.7
	40	0.6	0.6	0.6	0.6	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7
	35	0.6	0.6	0.6	0.6	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.3	0.6
	30	0.6	0.6	0.6	0.5	0.6	0.7	0.3	0.3	0.3	0.3	0.3	0.4	0.6
	25	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.2	0.3	0.3	0.3	0.3	0.3
LATITUDE SOUTH	20	0.2	0.2	0.3	0.3	0.5	0.5	0.6	0.2	0.2	0.3	0.2	0.3	0.3
	15	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.0	0.2	0.2	0.2	0.2	0.3
	10	0.0	0.1	0.1	0.1	0.1	0.1	0.1	-0.1	-0.2	-0.1	-0.1	0.3	0.2
	5	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	-0.2	-0.2	-0.2	-0.2	-0.1
	47° 0'	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.3	-0.3	-0.3	-0.3	
	55	0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.3			
	50	-0.2	-0.2	-0.2	-0.2									
	45	-0.1												
	40													
	35													
30														
25														
20														
15														
10														
5														
46° 0'														
		90° 0'	55	50	45	40	35	30	25	20	15	10	5	89° 0'
		LONGITUDE WEST												

5X

[illegible]

8970-X

[illegible]

[illegible]

BX

8970-X

		LONGITUDE WEST												
		86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
LATITUDE	49° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	48° 0'	-0.3	-0.3											
	55	-0.2	-0.5	-0.4	-0.5	-0.5	-0.5	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3
	50	-0.2	-0.4	-0.3	-0.4	-0.4	-0.5	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3
45	-0.2					-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.3	
40	-0.3	-0.3	-0.3	-0.3	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	
35	-0.2	-0.3	-0.3	-0.5	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	
30	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2	
25	-0.1	0.0	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	
20	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.2	-0.3	-0.2	
15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	
10	0.3	0.2	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.2	-0.1	-0.1	
5	0.3	0.3	0.3	0.2	-0.0	-0.1	-0.1	-0.1	-0.2	0.0	-0.1	-0.0	-0.1	
47° 0'	0.3	0.3	0.3	0.3	0.3	0.2	0.1	-0.1	0.0	-0.0	0.1	0.1	0.0	
55	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.1	
50	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.4	0.4	0.2	0.2	
45	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.3					
40														
35													0.3	
30													0.5	
25													0.4	
20														
15														
10														
5														
46° 0'						-0.4	-0.2	-0.2	0.0	0.4	0.4	0.4		
		86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
		LONGITUDE WEST												

9X

		LONGITUDE WEST												
		85° 0'	55	50	45	40	35	30	25	20	15	10	5	84° 0'
LATITUDE NORTH	49° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	48° 0'													
	55	-0.3	-0.3											
	50	-0.3												
	45	-0.4												
	40	-0.4												
	35													
	30	-0.1	-0.2											
	25	-0.2	-0.2	-0.2	-0.3									
	20	-0.2	-0.2	-0.2	-0.3	-0.2								
	15	-0.2	-0.2	-0.2	-0.2	-0.3								
	10	-0.1	-0.2	-0.2	-0.2									
	5	-0.1	-0.1	-0.3	-0.3									
	47° 0'	0.0	-0.0	-0.1										
55	0.1	-0.1	-0.0	-0.2	-0.3	-0.2	-0.1	0.1						
50	0.2	0.1	-0.1	-0.1	-0.2	-0.3	0.1	0.2						
45		0.2	-0.0	-0.1	-0.1	-0.1								
40	0.3	0.2	0.1	0.1	-0.0	0.2	0.3							
35	0.5	0.4	0.3	0.2	0.2									
30	0.4	0.4	0.4	0.4	0.6	0.6								
25														
20														
15														
10														
5														
46° 0'					0.8	0.7								
		85° 0'	55	50	45	40	35	30	25	20	15	10	5	84° 0'
		LONGITUDE WEST												

8970-X

		LONGITUDE WEST													
		88° 0'	55	50	45	40	35	30	25	20	15	10	5	87° 0'	
LATITUDE	46° 0'														
	55														
	50													-0.7	
	45													-0.8	
	40												-1.3	-0.7	
	35											-1.3	-1.3	-1.3	
	30										-1.4	-1.4	-1.3	-1.3	
	25										-1.0	-1.0	-1.0	-1.0	
	20									-1.0	-1.0	-1.0	-1.0	-1.0	
	15								-1.1	-1.0	-1.0	-1.0	-1.0	-1.0	
	10						-1.0	-1.1	-1.0		-1.1	-1.0		-0.8	
	5						-1.0	-1.0	-1.0	-1.0			-1.4	-1.1	
	45° 0'						-1.0	-1.0	-1.0				-1.1	-1.1	
	55			-0.8	-0.9	-1.0	-1.0	-1.1	-1.1			-1.2	-1.2	-1.1	
	50			-0.8	-0.8	-1.0					-1.2	-1.2	-1.2	-1.2	
	45		-0.8	-0.8	-0.9						-1.1	-1.1	-1.1	-1.1	
40		-0.8	-0.8	-0.9					-1.2	-1.1	-1.1	-1.1	-1.1		
35	-0.8	-0.9						-1.2	-1.2	-1.2	-1.1	-1.1	-1.1		
30								-1.2	-1.2	-1.2	-1.2	-1.2	-1.1		
NORTH	25							-1.3	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	
	20							-1.3	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	
	15							-1.3	-1.3	-1.2	-1.2	-1.2	-1.2	-1.2	
	10							-1.4	-1.4	-1.4	-1.3	-1.3	-1.3	-1.3	
	5					-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.3	-1.3	
	44° 0'				-1.5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.3	
	55				-1.5	-1.5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	
	50				-1.5	-1.5	-1.5	-1.5	-1.5	-1.4	-1.4	-1.4	-1.4	-1.4	
	45				-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.4	-1.4	-1.4	-1.4	
	40				-1.6	-1.6	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.4	-1.4	
	35			-1.6	-1.6	-1.6	-1.6	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	
	30			-1.7	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.5	-1.5	-1.5	-1.5	
	25			-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	
	20			-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	
	15			-2.0	-2.0	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	
	10			-2.1	-2.1	-2.0	-2.0	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	
5			-2.1	-2.1	-2.1	-2.0	-2.0	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9		
43° 0'			-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.8		
		88° 0'	55	50	45	40	35	30	25	20	15	10	5	87° 0'	
LONGITUDE WEST															

12X

8970-X

	LONGITUDE WEST												
	86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
46° 0'						-0.4	-0.2	-0.2	0.0	0.4	0.4	0.4	
55	-0.5		-0.4	-0.3	-0.5	-0.4	-0.1	-0.2	-0.4	-0.1	-0.1	0.1	0.4
50	-0.4	-0.2	-0.4	-0.7	-0.2	0.0	0.1	0.1	-0.2	-0.1	-0.1	-0.0	-0.0
45	-0.2	-0.5	-0.6	-0.6	-0.4	-0.1		-0.2	-0.1	-0.1	-0.1	-0.1	0.3
40	-0.5	-0.4	-0.4	-0.3	-0.1		-0.3	-0.3	-0.2	-0.1	-0.1	-0.1	
35	-0.5	-0.7	-0.6	-0.5	-0.3		-0.2	-0.2	-0.1	-0.3	-0.2		
30	-0.8	-0.7	-0.2	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.1		
25	-0.7	-0.4		-0.4	-0.3	-0.3	-0.2	-0.2	-0.2	-0.1	0.3	0.3	0.3
20	-0.7	-0.6	-0.3	-0.3	-0.3	-0.2	-0.3	-0.3	-0.2	-0.1			
15	-0.8	-0.5	-0.4	-0.3	-0.3	-0.3	-0.2	-0.2					
10	-0.8	-0.5	-0.5	-0.5	-0.5		-0.3	-0.2					
5		-0.5	-0.5	-0.5		-0.4	-0.4	-0.4	-0.4				
L 45° 0'	-0.5	-0.5	-0.5			-0.5	-0.5	-0.4					
A 55	-0.4					-0.5		-0.4					
T 50						-0.3	-0.5						
I 45													
T 40													
U 35													
D 30													
E 25													
N 20													
O 15													
R 10													
T 5													
H 44° 0'													
55													
50													
45													
40													
35													
30													
25													
20													
15													
10													
5													
43° 0'													
	86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
	LONGITUDE WEST												

13X

		LONGITUDE WEST												
		85° 0'	55	50	45	40	35	30	25	20	15	10	5	84° 0'
LATITUDE NORTH	46° 0'					0.8	0.7							
	55	0.4	0.7			0.8	0.7	0.8	0.8	0.7	0.8	0.8	0.8	0.8
	50	-0.0	0.3	0.4	0.7	0.5	0.6	0.7	1.2	0.8	0.9	0.9	0.8	0.8
	45	0.3				0.3	0.4			0.9	0.9	0.8	0.8	0.9
	40									0.5	0.9	0.8	0.9	1.1
	35												1.1	1.0
	30												0.6	0.6
	25	0.3												
	20													
	15													
	10													
	5													
	45° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
44° 0'														
55														
50														
45														
40														
35														
30														
25														
20														
15														
10														
5														
43° 0'														
		85° 0'	55	50	45	40	35	30	25	20	15	10	5	84° 0'
		LONGITUDE WEST												

8970-X

		LONGITUDE WEST												
		84° 0'	55	50	45	40	35	30	25	20	15	10	5	83° 0'
LATITUDE NORTH	46° 0'													
	55	0.8	0.8	1.0	0.9	0.9	1.0	0.7			0.7			
	50	0.8	1.0	0.9	0.9	1.0	1.0	0.8	0.9	0.9	0.9	0.9	0.9	
	45	0.9	1.0	0.9	0.9	1.0	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
	40	1.1	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
	35	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	30	0.6	0.7	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8
	25				0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
	20								0.9	0.9	0.9	0.9	0.9	0.9
	15								0.9	0.9	0.9	0.9	0.9	0.9
	10									0.9	0.9	0.9	0.9	0.9
	5										0.9	0.9	0.9	0.9
	L 45° 0'								0.9	0.9	0.9	0.9	0.9	0.9
	A 55									0.9	0.9	0.9	0.8	0.8
	T 50										0.9	0.9	0.8	0.8
	I 45											0.8	0.8	0.8
	T 40											0.8	0.8	0.7
	D 35											0.7	0.7	0.7
	E 30											0.7	0.6	0.7
	N 25											0.6	0.6	0.6
	O 20									0.4	0.4	0.4	0.6	0.6
	R 15							0.4	0.3	0.3	0.4	0.4	0.4	0.4
	T 10							0.4	0.3	0.3	0.3	0.3	0.4	0.4
	H 5							0.2	0.3	0.3	0.3	0.4	0.5	0.4
	H 44° 0'					0.2	0.2	0.2	0.2	0.3	0.3	0.4		
	55			0.2	0.2	0.2	0.2	0.2	0.2	0.3				
50		0.1	0.1	0.1	0.2	0.2	0.2	0.2						
45		0.0	0.0	0.1	0.1	0.1	0.1							
40			0.0	0.1	0.1	0.1								
35					0.1									
30														
25														
20														
15														
10														
5														
43° 0'														
		84° 0'	55	50	45	40	35	30	25	20	15	10	5	83° 0'
		LONGITUDE WEST												

8970-X

15X

		LONGITUDE WEST												
		83° 0'	55	50	45	40	35	30	25	20	15	10	5	82° 0'
LATITUDE NORTH	46° 0'													
	55													
	50													
	45	0.9	0.9	1.0	1.0	1.0	1.0							
	40	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0				
	35	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0		
	30	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9
	25	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9
	20	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
	15	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	10	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8
	5	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	45° 0'	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
	55	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
	50	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.4
	45	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.4	0.4	0.4
	40	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.4	0.4	0.4	0.4
	35	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.4	0.4	0.4	0.4	0.4
	30	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
	25	0.6	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.4	0.4	0.4	0.4
	20	0.6	0.6	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
	15	0.4	0.4	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
	10	0.4	0.5	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3
	5	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3
	44° 0'				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	55					0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50						0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
45						0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
40						0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
35						-0.0	-0.0	-0.0	-0.0	-0.0	-0.1	-0.1	0.0	
30							-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	
25							-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	
20							-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	
15							-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.2	
10							-0.2	-0.2	-0.3	-0.3	-0.3	0.0		
5								-0.4	-0.5	-0.1	-0.1			
43° 0'														
		83° 0'	55	50	45	40	35	30	25	20	15	10	5	82° 0'
		LONGITUDE WEST												

8970-X

[illegible]

8970-X

		LONGITUDE WEST												
		79° 0'	55	50	45	40	35	30	25	20	15	10	5	78° 0'
L A T I T U D E	NORTH	46° 0'												
		55												
		50												
		45												
		40												
		35												
		30												
		25												
		20												
		15												
		10												
		5												
		45° 0'												
		55												
		50												
		45												
		40												
		35												
		30												
		25												
		20												
		15												
		10												
		5												
		44° 0'												
		55								0.7	0.8	0.9	0.9	0.8
		50		1.0	1.0	1.0	1.0	1.1	1.2	1.2	0.7	0.7	0.7	0.7
		45	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	0.7	0.7	0.7
		40	0.9	0.9	1.1	1.1	0.9	0.9	0.9	1.0	1.0	1.0	1.1	0.7
		35	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
		30	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1
		25	0.7	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1
		20	0.7	0.7	0.8									
		15												
		10												
		5												
		43° 0'												
		79° 0'	55	50	45	40	35	30	25	20	15	10	5	78° 0'
		LONGITUDE WEST												

19X

8970-A

		LONGITUDE WEST												
		78° 0'	55	50	45	40	35	30	25	20	15	10	5	77° 0'
LATITUDE NORTH	46° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	45° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	44° 0'													
	55	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0
	50	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
	45	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
	40	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
	35	1.1	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.1
	30	1.1	1.1	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0
	25	1.1	1.1	1.2	1.2	0.8	0.9	0.9	0.9	1.0	1.0	1.2	1.2	1.1
	20					1.2	0.9	0.9	1.1	1.1	1.2	1.2	1.2	1.1
	15						1.4							
	10													
	5													
	43° 0'													
		78° 0'	55	50	45	40	35	30	25	20	15	10	5	77° 0'
		LONGITUDE WEST												

8970-X

		LONGITUDE WEST												
		77° 0'	55	50	45	40	35	30	25	20	15	10	5	76° 0'
L A T I T U D E	46° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
N O R T H	45° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
H	44° 0'		0.8	1.5	1.3	1.1	1.3	1.0	1.0					
			0.9	1.0	1.2	0.9	1.0	1.0	0.9	0.9				
	55		1.0	1.0	1.0	1.0	1.0	1.0		1.0	0.9	0.9		
	50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
	45	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9			
	40	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0			
	35	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
	30	1.0	1.0	1.1	1.1	1.1	1.1	1.0						
	25	1.1	1.1	1.1	1.1	1.1								
	20	1.1	1.1	1.1										
	15													
	10													
	5													
	43° 0'													
		77° 0'	55	50	45	40	35	30	25	20	15	10	5	76° 0'
		LONGITUDE WEST												

8970-X

21X

[illegible]

8970-X

		LONGITUDE WEST												
		87° 0'	55	50	45	40	35	30	25	20	15	10	5	86° 0'
LATITUDE NORTH	43° 0'	-1.8	-1.8	-1.8	-1.7	-1.7	-1.4	-1.4	-1.4	-1.3	-1.3			
	55	-1.8	-1.8	-1.8	-1.8	-1.7	-1.5	-1.4	-1.4	-1.4	-1.3			
	50	-1.8	-1.8	-1.8	-1.8	-1.7	-1.5	-1.4	-1.4	-1.4	-1.3			
	45	-1.8	-1.8	-1.8	-1.8	-1.5	-1.5	-1.4	-1.4	-1.4	-1.3			
	40	-1.8	-1.7	-1.7	-1.7	-1.4	-1.4	-1.4	-1.4	-1.3	-1.3			
	35	-1.8	-1.8	-1.7	-1.7	-1.4	-1.4	-1.4	-1.3	-1.3	-1.3			
	30	-1.8	-1.8	-1.8	-1.5	-1.5	-1.4	-1.4	-1.3	-1.3	-1.2			
	25	-1.8	-1.8	-1.7	-1.5	-1.5	-1.4	-1.4	-1.4	-1.3				
	20	-1.8	-1.8	-1.7	-1.5	-1.5	-1.4	-1.4	-1.3	-1.3				
	15	-1.8	-1.8	-1.7	-1.5	-1.5	-1.4	-1.4	-1.4					
	10	-1.8	-1.8	-1.6	-1.6	-1.5	-1.5	-1.4						
	5	-1.8	-1.8	-1.6	-1.6	-1.5	-1.5							
	42° 0'	-1.9	-1.8	-1.6	-1.6	-1.6	-1.5							
	55	-1.9	-1.7	-1.7	-1.6	-1.6								
	50	-2.0	-1.7	-1.7	-1.7									
	45	-2.0	-1.8											
	40													
	35													
	30													
	25													
20														
15														
10														
5														
41° 0'														
55														
50														
45														
40														
35														
30														
25														
20														
15														
10														
5														
40° 0'														
		87° 0'	55	50	45	40	35	30	25	20	15	10	5	86° 0'
		LONGITUDE WEST												

23X

8270-A

		LONGITUDE WEST													83° 0'	
		84° 0'	55	50	45	40	35	30	25	20	15	10	5			
LATITUDE NORTH	43° 0'															
	55															
	50															
	45															
	40															
	35															
	30															
	25															
	20															
	15															
	10															
	5															
	42° 0'													-0.8	-0.8	-0.8
	55													-0.8	-0.8	-0.8
	50													-0.8	-0.8	-0.8
	45													-0.8	-0.8	-0.8
	40													-0.8	-0.8	-0.8
	35													-0.8	-0.8	-0.8
	30													-0.8	-0.8	-0.8
	25													-0.8	-0.8	-0.8
20													-0.8	-0.8	-0.8	
15													-0.8	-0.8	-0.8	
10													-0.8	-0.8	-0.8	
5													-0.8	-0.8	-0.8	
41° 0'													-0.8	-0.8	-0.8	
55													-0.8	-0.8	-0.8	
50													-0.8	-0.8	-0.8	
45													-0.8	-0.8	-0.8	
40													-0.8	-0.8	-0.8	
35													-0.8	-0.8	-0.8	
30													-0.8	-0.8	-0.8	
25													-0.8	-0.8	-0.8	
20													-0.8	-0.8	-0.8	
15													-0.8	-0.8	-0.8	
10													-0.8	-0.8	-0.8	
5													-0.8	-0.8	-0.8	
40° 0'													-0.8	-0.8	-0.8	
		84° 0'	55	50	45	40	35	30	25	20	15	10	5		83° 0'	
		LONGITUDE WEST														

8970-X

[illegible]

25X

[illegible]

26X

8970-X

[illegible]

27X

		LONGITUDE WEST												
		80° 0'	55	50	45	40	35	30	25	20	15	10	5	79° 0'
LATITUDE NORTH	43° 0'													
	55													
	50				-0.2	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	0.4	0.4
	45	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	0.2	0.3	0.3	0.3	0.3	0.3
	40	-0.3	-0.3	-0.3	-0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	35	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
	30	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.5				
	25	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4						
	20	-0.4	-0.4	-0.4	-0.4	-0.5								
	15	-0.5	-0.5	-0.5										
	10													
	5													
	42° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	41° 0'													
55														
50														
45														
40														
35														
30														
25														
20														
15														
10														
5														
40° 0'														
		80° 0'	55	50	45	40	35	30	25	20	15	10	5	79° 0'
		LONGITUDE WEST												

28X

8970-X

		LONGITUDE WEST												
		76° 0'	55	50	45	40	35	30	25	20	15	10	5	75° 0'
LATITUDE	40° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15									0.5	0.5			
	10									0.5	0.5	0.5	0.5	0.5
	5									0.6	0.5	0.5	0.5	0.5
	39° 0'									0.7	0.6	0.6	0.5	0.5
	55										0.6	0.6	0.6	0.6
	50											0.7	0.7	0.6
45												0.8	0.8	
40													0.8	
35											0.5		0.7	
30													0.7	
NORTH	25												0.5	0.6
	20	0.2	0.1											0.6
	15	0.1	0.1										0.4	0.6
	10	0.2									0.2		0.3	0.5
	5	0.2	-0.0							0.1	0.1	0.2	0.2	0.4
	38° 0'		0.1							0.1	0.1	0.2	0.1	0.3
	55	-0.0	0.1	-0.0	-0.0				0.0		0.1	0.1	0.1	0.2
	50		0.3	0.0	-0.1				0.0	-0.0	0.1	0.0	0.1	0.1
	45	0.2	0.3	0.1				-0.1	-0.1	-0.0	0.0	0.0	0.1	0.1
	40	0.2	0.3				0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
	35	0.3				-0.1	0.0	-0.0	0.0	0.1	0.1	0.1	0.1	0.1
	30	0.3				0.1	-0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
	25	0.4			0.0	-0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	20			0.2		0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
	15		0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
10		0.2		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
5	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	
37° 0'	0.5	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	
		76° 0'	55	50	45	40	35	30	25	20	15	10	5	75° 0'
		LONGITUDE WEST												