



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.

2Y

8970-Y

	LONGITUDE WEST												
	92° 0'	55	50	45	40	35	30	25	20	15	10	5	91° 0'
49° 0'													
55													
50													
45													
40													
35													
30													
25													
20													
15													
10													
5													
L A T I T U D E	48° 0'												
55													
50													
45													
40													
35													
30													
N O R T H	25											0.4	0.4
H	20										0.5	0.5	0.4
47° 0'	15									0.5	0.5	0.5	0.5
	10						0.5	0.5	0.5	0.5	0.5	0.5	0.5
	5				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	55												
	50												
	45	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.5	
	40												
	35												
	30												
	25												
	20												
	15												
	10												
	5												
46° 0'													
	92° 0'	55	50	45	40	35	30	25	20	15	10	5	91° 0'
	LONGITUDE WEST												

3Y

		LONGITUDE WEST												
		91° 0'	55	50	45	40	35	30	25	20	15	10	5	90° 0'
LATITUDE	49° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	48° 0'													
	55													
	50													
	45									0.3	0.3	0.3	0.3	0.5
	40						0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
	35				0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.5
	30		0.4	0.4	0.4	0.4	0.3	0.4	0.4		0.3	0.3	0.3	0.5
	25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.5
	20	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4
	15	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
	10	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
	5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
	47° 0'	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.5	0.5	0.5	0.3	0.3	0.4
55				0.4	0.6	0.5	0.6	0.6	0.3	0.5	0.5	0.5	0.4	
50						0.4	0.6	0.6	0.6	0.6	0.3	0.6	0.7	
45			0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.6	0.7	0.4	
40			0.3		0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.7		
35								0.6						
30														
25														
20														
15														
10														
5														
46° 0'														
		91° 0'	55	50	45	40	35	30	25	20	15	10	5	90° 0'
		LONGITUDE WEST												

8970-Y

[illegible]

5Y

[illegible]

6Y

8970-Y

[illegible]

[illegible]

8Y

8970-Y

		LONGITUDE WEST												
		86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
49° 0'														
55														
50														
45														
40														
35														
30														
25														
20														
15														
10														
5														
L. 48° 0'		0.4												
A														
T	55	0.6	0.4	0.4	0.4	0.4	0.2	0.5	0.4	0.4	0.4	0.4	0.5	0.6
I	50	0.4	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.4	0.6
T	45	0.4					0.4	0.4	0.5	0.3	0.2	0.3	0.4	0.3
U	40	0.4	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.5	0.5
D	35	0.0	0.0	0.3	0.1	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	
E	30	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2	0.2	0.3	0.3	0.3
	25	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.2	-0.1
N	20	-0.7	-0.7	-0.7	-0.1	-0.1	-0.1	-0.8	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2
O	15	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.9	-0.9	-0.1	-0.1	-0.7	-0.2
R	10	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8
T	5	-0.1	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-0.7	-0.8	-0.8	-0.8
H 47° 0'		-0.1	-0.1	-0.1	-0.1	-0.1	-0.9	-1.0	-1.0	-0.9	-1.0	-0.9	-0.9	-0.9
	55	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.8	-0.9	-0.9
	50	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.0	-0.0	-0.0	-0.0
	45	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1				
	40													-0.6
	35													-0.5
	30													-0.6
	25													
	20													
	15													
	10													
	5							-0.9	-1.0	-0.9				
46° 0'						-1.3	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9		
		86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
		LONGITUDE WEST												

9Y

		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	0.6	0.5											
	50	0.6												
	45	0.3												
	40	0.5												
	35													
	30	0.3	0.3											
	25	-0.1	-0.1	0.3	0.3									
20	-0.2	-0.2	-0.2	-0.3	-0.2									
15	-0.2	-0.2	-0.2	-0.2	-0.2									
10	-0.8	-0.8	-0.1	-0.1										
5	-0.8	-0.8	-0.9	-0.8										
47° 0'	-0.9	-0.9	-0.8											
55	-0.9	-1.0	-1.0	-1.1	-1.1	-0.3	-0.3	0.0						
50	-0.0	-0.1	-1.1	-1.1	-1.1	-1.2	-0.7	0.2						
45		-0.4	-0.2	-0.2	-0.3	-0.2								
40	-0.6	-0.6	-0.6	-0.6	-0.6	-0.3	0.1							
35	-0.5	-0.6	-0.6	-0.6	-0.6									
30	-0.6	-0.6	-0.6	-0.6	-0.4	-0.3								
25														
20														
15														
10														
5														
46° 0'				-0.6	-0.6									
		85° 0'	55	50	45	40	35	30	25	20	15	10	5	84° 0'
		LONGITUDE WEST												

10Y

8970-Y

		LONGITUDE WEST												
		88° 0'	55	50	45	40	35	30	25	20	15	10	5	87° 0'
LATITUDE NORTH	46° 0'													
	55													
	50													-1.7
	45												-1.7	-1.7
	40												-1.7	-1.7
	35												-1.7	-1.7
	30												-1.7	-1.7
	25												-1.7	-1.7
	20												-1.7	-1.7
	15												-1.7	-1.7
LATITUDE EAST	45° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
LATITUDE EAST	44° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
LATITUDE EAST	43° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
		88° 0'	55	50	45	40	35	30	25	20	15	10	5	87° 0'
		LONGITUDE WEST												

12Y

8970-Y

	LONGITUDE WEST												
	86° 0'	55	50	45	40	35	30	25	20	15	10	5	85° 0'
46° 0'						-1.3	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	
55	-1.2		-1.6	-1.5	-1.4	-1.3	-1.0	-1.1	-1.3	-1.0	-1.0	-1.0	-1.0
50	-1.3	-1.2	-1.5	-1.5	-1.4	-1.1	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1
45	-1.3	-1.6	-1.5	-1.4	-1.3	-1.2		-1.0	-1.0	-1.0	-1.1	-1.2	-0.8
40	-1.3	-1.6	-1.5	-1.4	-1.2		-1.0	-1.2	-1.1	-1.2	-1.0	-1.0	
35	-1.3	-1.5	-1.5	-1.4	-1.2		-1.2	-1.2	-1.1	-1.1	-1.2		
30	-1.6	-1.5	-1.4	-1.2	-1.2	-1.2	-1.3	-1.3	-1.2	-1.2	-1.2		
25	-1.6	-1.5		-1.2	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-0.9	-0.9	-0.9
20	-1.5	-1.5	-1.3	-1.3	-1.0	-1.3	-1.3	-1.1	-1.3	-1.3			
15	-1.5	-1.4	-1.3	-1.3	-1.3	-1.3	-1.0	-1.0					
10	-1.5	-1.3	-1.3	-1.3	-1.3		-1.2	-1.4					
5		-1.1	-1.3	-1.3		-1.2	-1.2	-1.3	-1.2				
L A T I T U D E N O R T H H	45° 0'	-1.3	-1.4	-1.1		-1.3	-1.3	-1.3					
55	-1.1					-1.2		-1.3					
50						-1.3	-1.3						
45													
40													
35													
30													
25													
20													
15													
10													
5													
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												

13Y

[illegible]

14Y

8970-Y

		LONGITUDE WEST												
		84° 0'	55	50	45	40	35	30	25	20	15	10	5	83° 0'
L A T I T U D E	NORTH	46° 0'												
		55	-0.5	-0.5	-0.3	-0.4	-0.5	-0.4	-0.6		-0.6			
		50	-0.6	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.6	-0.6	-0.7	-0.6	
		45	-0.5	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6
		40	-0.3	-0.3	-0.4	-0.4	-0.5	-0.5	-0.5	-0.6	-0.5	-0.5	-0.5	-0.5
		35	-0.6	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.5	-0.5
		30	-0.8	-0.7	-0.8	-0.8	-0.7	-0.7	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6
		25			-0.9	-0.8	-0.6	-0.8	-0.8	-0.7	-0.5	-0.5	-0.6	-0.6
		20							-0.7	-0.7	-0.8	-0.8	-0.8	-0.6
		15							-1.3	-1.2	-0.9	-0.8	-0.9	-0.9
		10								-1.3	-1.3	-1.2	-1.1	-0.9
		5									-1.3	-1.4	-1.3	-1.3
		45° 0'							-1.4	-1.3	-1.3	-1.3	-1.3	-1.3
		55								-1.4	-1.3	-1.3	-1.3	-1.4
		50									-1.5	-1.4	-1.4	-1.4
		45									-1.6	-1.5	-1.6	-1.5
		40									-1.6	-1.6	-1.6	-1.6
		35									-1.6	-1.6	-1.7	-1.7
		30									-1.7	-1.7	-1.7	-1.7
		25									-1.8	-1.7	-1.7	-1.7
		20								-1.9	-1.8	-1.7	-1.8	-1.7
		15						-1.8	-1.8	-1.7	-1.7	-1.8	-1.8	-1.7
		10						-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7
		5						-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7
H		44° 0'			-1.8	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7		
		55		-1.8	-1.8	-1.7	-1.7	-1.8	-1.8	-1.8				
		50	-1.9	-1.7	-1.6	-1.8	-1.7	-1.7	-1.7					
		45	-2.0	-1.9	-1.9	-1.6	-1.6	-1.8						
		40		-1.9	-1.9	-1.9	-1.8							
		35												
		30												
		25												
		20												
		15												
		10												
		5												
		43° 0'												
		LONGITUDE WEST												
		84° 0'	55	50	45	40	35	30	25	20	15	10	5	83° 0'

		LONGITUDE WEST												
		82° 0'	55	50	45	40	35	30	25	20	15	10	5	81° 0'
LATITUDE NORTH	46° 0'												-1.1	
	55						-0.7	-0.7	-0.7	-0.9	-0.9	-0.7	-0.9	-0.8
	50						-0.8	-0.8	-1.0	-0.8	-0.7	-0.7	-0.7	-0.7
	45						-0.9	-1.0	-0.8	-0.8	-0.8	-0.8	-1.0	-0.8
	40						-0.9	-0.8	-0.8	-0.8	-0.8	-1.0	-1.0	-1.3
	35					-1.0	-0.8	-0.7	-0.7	-0.7	-1.0	-1.0	-1.3	-1.3
	30					-1.0	-0.9	-0.9	-0.8	-0.9	-1.2	-1.2	-1.2	-1.2
	25	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-1.1	-1.1	-1.3	-1.3	-1.3	-1.2	-1.2
	20	-0.7	-0.7	-0.8	-0.8	-0.8	-1.0	-1.0	-1.3	-1.3	-1.3	-1.4	-1.3	-1.4
	15	-0.7	-0.7	-0.7	-0.7		-0.9	-1.2	-1.2		-1.3	-1.2	-1.3	-1.4
	10	-0.8	-0.8	-0.6	-0.6	-0.9				-1.4	-1.3	-1.4	-1.4	-1.4
	5	-0.8	-0.7	-0.7	-1.3	-1.3	-1.2				-1.5	-1.5	-1.4	-1.4
	45° 0'	-0.6	-0.7	-1.2	-1.3	-1.3	-1.3	-1.3			-1.4	-1.5	-1.5	-1.5
	55	-0.9	-1.4	-1.2	-1.2	-1.3	-1.3	-1.3	-1.3				-1.5	-1.5
	50	-1.4	-1.5	-1.5	-1.4	-1.2	-1.2	-1.3	-1.3	-1.3				-1.5
	45	-1.7	-1.6	-1.5	-1.4	-1.5	-1.5	-1.5	-1.3	-1.2				
	40	-1.9	-1.8	-1.8	-1.7	-1.6	-1.4	-1.5	-1.5	-1.5				
	35	-1.8	-1.9	-1.9	-1.9	-1.8	-1.8	-1.6	-1.6	-1.5				
	30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9					
	25	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-2.0						
20	-2.0	-2.0	-1.9	-1.9	-1.9									
15	-2.0	-2.1	-2.0	-2.0	-2.0									
10	-2.1	-2.1	-2.0	-2.1	-2.1									
5	-2.1	-2.1	-2.1	-2.1										
44° 0'	-2.1	-2.1	-2.1	-2.1										
55	-2.1	-2.1	-2.1	-2.1										
50	-2.2	-2.1	-2.2	-2.2										
45	-2.2	-2.1	-2.2	-2.2										
40	-2.1	-2.2	-2.2	-2.2										
35	-2.1	-2.0	-2.2	-2.2										
30	-2.1	-2.1	-2.1	-2.0										
25	-2.2	-2.2	-2.1	-2.1										
20	-2.2	-2.2	-1.9	-1.8										
15	-1.9	-1.8												
10														
5														
43° 0'														
		82° 0'	55	50	45	40	35	30	25	20	15	10	5	81° 0'
		LONGITUDE WEST												

17Y

[illegible]

18Y

8970-Y

		LONGITUDE WEST												
		79° 0'	55	50	45	40	35	30	25	20	15	10	5	78° 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										-1.9	-1.9	-1.8	-1.8	-1.9
50			-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
45	-1.8	-1.6	-1.6	-1.9	-1.9	-1.9	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
40	-1.8	-1.8	-1.7	-1.6	-1.7	-1.9	-2.0	-2.1	-2.0	-2.0	-2.1	-2.1	-2.0	-2.0
35	-1.7	-1.8	-1.9	-1.9	-1.9	-1.9	-1.7	-2.0	-2.1	-2.0	-2.0	-2.0	-2.0	-2.1
30	-2.1	-2.1	-2.0	-1.9	-1.8	-1.9	-1.9	-1.9	-1.8	-1.7	-2.0	-2.1	-2.1	-2.1
25	-2.3	-2.2	-2.2	-2.1	-2.0	-1.9	-1.8	-1.9	-1.9	-1.9	-1.9	-1.7	-2.0	
20	-2.2	-2.2	-2.2											
15														
10														
5														
43° 0'														
		79° 0'	55	50	45	40	35	30	25	20	15	10	5	78° 0'
		LONGITUDE WEST												

19Y

[illegible]

20Y

8970-Y

	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					-2.7							
	20					-3.0	-2.8	-2.8					
	15					-2.1	-2.1	-2.2	-2.7				
	10												
	5	-2.2	-1.8	-1.9	-2.1	-3.0	-2.8	-2.8					
H	44° 0'	-2.0	-2.1	-1.9	-2.2	-2.1	-2.1	-2.2	-2.7				
	55		-2.3	-2.2	-2.1	-1.9	-2.0	-2.0		-2.0	-2.1	-2.5	
	50	-2.2	-2.2	-2.6	-2.2	-2.1	-2.1	-1.9	-1.9				
	45	-2.0	-2.1	-2.2	-2.2	-2.2	-2.3	-2.1	-2.0	-2.0	-1.9		
	40	-2.1	-2.1	-2.1	-2.0	-2.1	-2.2	-2.2	-2.3	-2.1	-1.9		
	35	-2.0	-2.0	-2.1	-2.1	-2.1	-2.1	-2.0	-2.0	-2.0	-2.1		
	30	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9					
	25	-1.9	-1.9	-1.9	-1.9	-1.9							
	20	-1.9	-1.8	-1.8									
	15												
	10												
	5												
	43° 0'												
	77° 0'	55	50	45	40	35	30	25	20	15	10	5	76° 0'
	LONGITUDE WEST												

21Y

[illegible]

22Y

8970-Y

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

23Y

		LONGITUDE WEST													
		84° 0'	55	50	45	40	35	30	25	20	15	10	5	83° 0'	
LATITUDE NORTH	43° 0'														
	55														
	50														
	45														
	40														
	35														
	30														
	25														
	20														
	15														
	10														
	5														
	42° 0'												-2.4	-2.4	-2.5
	55											-2.5	-2.4	-2.5	-2.4
	50										-2.5	-2.5	-2.5	-2.4	-2.3
	45									-2.4	-2.5	-2.5	-2.3	-2.3	-2.3
	40											-2.3	-2.3	-2.3	-2.3
	35														-2.3
	30														
	25														
	20														
	15														
	10														
	5														
	41° 0'														
55															
50															
45															
40															
35															
30															
25															
20															
15															
10															
5															
40° 0'															
		84° 0'	55	50	45	40	35	30	25	20	15	10	5	83° 0'	
		LONGITUDE WEST													

24Y

8970-Y

[illegible]

25Y

		LONGITUDE WEST												
		82° 0'	55	50	45	40	35	30	25	20	15	10	5	81° 0'
LATITUDE NORTH	43° 0'													
	55													
	50													
	45													
	40													
	35								-2.5	-2.6	-2.5	-2.6	-2.6	-2.6
	30						-2.7	-2.6	-2.6	-2.5	-2.7	-2.7	-2.6	-2.6
	25				-2.7	-2.8	-2.8	-2.8	-2.8	-2.6	-2.6	-2.6	-2.4	-2.6
	20			-2.5	-2.5	-2.5	-2.8	-2.8	-2.8	-2.5	-2.7	-2.6	-2.5	-2.6
	15	-2.6	-2.6	-2.6	-2.5	-2.5	-2.5	-2.2	-2.8	-2.8	-2.8	-2.7	-2.5	-2.3
	10	-2.6	-2.6	-2.6	-2.4	-2.5	-2.5	-2.5	-2.4	-2.5	-2.6	-2.5	-2.5	-2.5
	5	-2.3	-2.5	-2.5	-2.5	-2.5	-2.3	-2.3	-2.3	-2.3	-2.2	-2.5	-2.5	-2.5
	42° 0'	-2.6	-2.4	-2.3	-2.4	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.2	-2.2	-2.5
	55	-2.4	-2.4	-2.4	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.2
	50	-2.4	-2.4	-2.4	-2.4	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.2	
	45	-2.5	-2.4	-2.4	-2.4	-2.4	-2.3	-2.3	-2.3	-2.3				
40	-2.5	-2.5	-2.4	-2.4	-2.4	-2.4	-2.4							
35	-2.5	-2.5	-2.5	-2.4	-2.0	-2.0								
30		-2.0	-2.0	-2.0										
25														
20														
15														
10														
5														
41° 0'														
55														
50														
45														
40														
35														
30														
25														
20														
15														
10														
5														
40° 0'														
		82° 0'	55	50	45	40	35	30	25	20	15	10	5	81° 0'
		LONGITUDE WEST												

26Y

8970-Y

		LONGITUDE WEST												
		81° 0'	55	50	45	40	35	30	25	20	15	10	5	80° 0'
LATITUDE NORTH	43° 0'													
	55													
	50													
	45										-2.7	-2.7	-2.8	-2.8
	40									-2.8	-2.8	-2.7	-2.7	-2.7
	35	-2.6	-2.7	-2.8	-2.8	-2.8				-2.8	-2.8	-2.8	-2.8	-2.7
	30	-2.6	-2.6	-2.3	-2.7	-2.7	-2.7	-2.8	-2.8	-2.5	-2.5	-2.4	-2.4	-2.4
	25	-2.6	-2.6	-2.6	-2.6	-2.6	-2.4	-2.5	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
	20	-2.6	-2.6	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.4	-2.4	-2.4	-2.4	-2.4
	15	-2.3	-2.2	-2.3	-2.4	-2.3	-2.3	-2.3	-2.3	-2.4	-2.3	-2.4	-2.4	-2.4
	10	-2.5	-2.3	-2.3	-2.2	-2.4	-2.4	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.6
	5	-2.5	-2.5	-2.5	-2.3	-2.2	-2.3	-2.4	-2.3	-2.3	-2.3			
	42° 0'	-2.5	-2.5	-2.5	-2.5	-2.4	-2.3	-2.2						
	55	-2.2	-2.5	-2.5										
	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'														
		81° 0'	55	50	45	40	35	30	25	20	15	10	5	80° 0'
		LONGITUDE WEST												

8970-Y

27Y

		LONGITUDE WEST												
		80° 0'	55	50	45	40	35	30	25	20	15	10	5	79° 0'
LATITUDE NORTH	43° 0'													
	55													
	50				-3.4	-3.4	-3.5	-3.4	-3.4	-3.5	-3.4	-3.4	-3.0	-3.0
	45	-2.8	-2.8	-3.3	-3.3	-3.3	-3.4	-3.3	-3.1	-3.0	-3.0	-3.0	-2.9	-2.9
	40	-2.7	-2.8	-2.8	-2.7	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	
	35	-2.7	-2.3	-2.4	-2.4	-2.4	-2.8	-2.9	-2.9	-2.9	-2.9	-2.9		
	30	-2.4	-2.4	-2.3	-2.3	-2.4	-2.4	-2.4	-2.8	-3.0				
	25	-2.4	-2.4	-2.4	-2.4	-2.3	-2.3	-2.4						
	20	-2.4	-2.4	-2.4	-2.4	-2.4								
	15	-2.4	-2.4	-2.4										
	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												