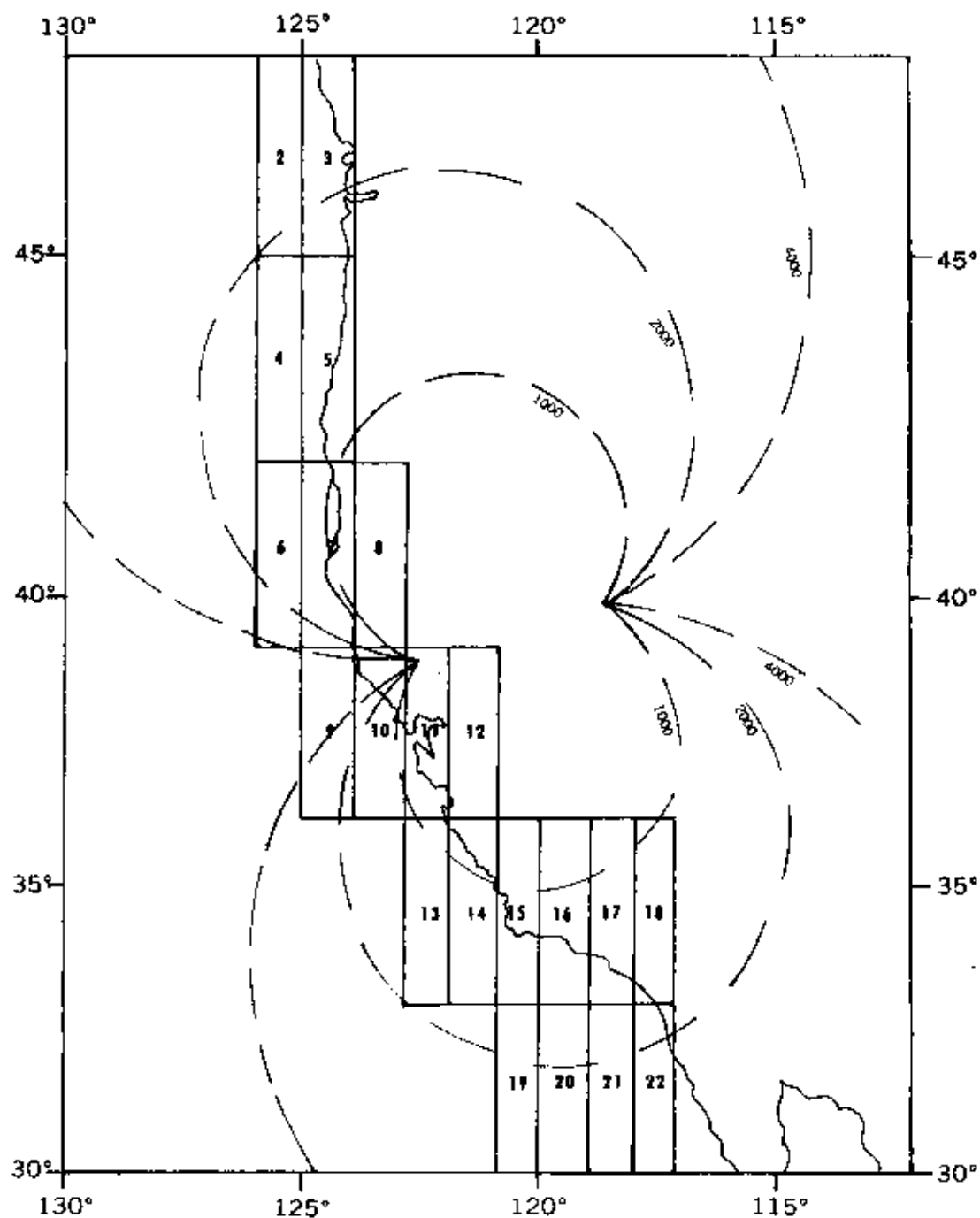


## PAGE INDEX FOR SECONDARY PHASE CORRECTIONS FOR 9940-X



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.

**2X**

9940-X

		LONGITUDE WEST												
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
LATITUDE	48° 0'	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0
	55	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1
	50	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0
	45	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
	40	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1
	35	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.0
	30	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.1
	25	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0
	20	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
	15	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
	10	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1
	5	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1
	47° 0'	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1
	55	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1
	50	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1
NORTH	45	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2
	40	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
	35	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.2
	30	0.3	0.1	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.3
	25	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.2
	20	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.3
	15	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.2
	10	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.4	0.4	0.3	0.2
	5	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.3
	46° 0'	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.4
	55	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
	50	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3
	45	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.2
	40	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	35	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3
30	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	
20	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	
15	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
10	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	
5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	
45° 0'	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
		LONGITUDE WEST												

		LONGITUDE WEST													
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
LATITUDE NORTH	48° 0'	0.0	0.1	0.2	0.3										
	55	0.1	0.0	0.0	0.2	0.3									
	50	0.0	0.0	0.0	0.1	0.3	0.3								
	45	0.0	-0.0	0.0	0.0	0.1	0.3	0.3							
	40	0.1	-0.0	-0.0	0.0	0.0	0.1	0.2	0.3						
	35	0.0	0.0	-0.1	-0.0	0.0	0.1	0.1	0.3						
	30	0.1	0.0	-0.0	-0.1	0.0	0.0	0.0	0.2						
	25	0.0	0.1	0.0	-0.0	-0.1	0.0	-0.0	0.0	0.2					
	20	0.1	0.0	0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.0					
	15	0.1	0.1	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1				
LATITUDE SOUTH	10	0.1	0.1	0.1	-0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2			
	5	0.1	0.1	0.1	0.0	-0.1	-0.0	-0.0	-0.1	-0.1	-0.1	-0.2			
	47° 0'	0.1	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.4		
	55	0.1	0.1	0.1	0.1	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.5	-0.4	
	50	0.1	0.1	0.1	0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4			
	45	0.2	0.1	0.1	0.1	0.1	-0.0	-0.1	-0.1	-0.1	-0.2	-0.3			
	40	0.2	0.2	0.1	0.1	0.1	-0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.5	-0.5	
	35	0.2	0.1	0.1	0.1	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.2	-0.4	-0.5	
	30	0.3	0.2	0.1	0.2	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.3	-0.3	-0.5	
	25	0.2	0.2	0.1	0.1	0.1	0.1	-0.0	-0.1	-0.1	-0.1	-0.2	-0.4	-0.6	
LATITUDE SOUTH	20	0.3	0.2	0.2	0.1	0.1	0.1	-0.0	-0.1	-0.1	-0.1	-0.3	-0.3		
	15	0.2	0.3	0.2	0.2	0.1	0.1	0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.5	
	10	0.2	0.2	0.3	0.2	0.2	0.1	0.0	-0.0	-0.1	-0.1	-0.2	-0.3	-0.5	
	5	0.3	0.2	0.2	0.2	0.2	0.1	0.1	-0.1	-0.1	-0.2	-0.1	-0.2	-0.5	
	46° 0'	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	
	55	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	-0.1	-0.2	-0.1	-0.3	-0.3	
	50	0.3	0.3	0.3	0.3	0.1	0.0	0.1	0.1	-0.0	-0.2	-0.1	-0.1	-0.3	
	45	0.2	0.3	0.3	0.3	0.3	0.1	0.0	0.1	-0.0	-0.1	-0.2	-0.2	-0.2	
	40	0.3	0.1	0.2	0.3	0.2	0.2	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.3	
	35	0.3	0.3	0.1	0.2	0.2	0.2	0.1	-0.0	-0.1	-0.1	-0.1	-0.1	-0.3	
LATITUDE SOUTH	30	0.3	0.3	0.3	0.1	0.2	0.2	0.1	0.1	-0.1	-0.2	-0.1	-0.1	-0.2	
	25	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	-0.1	-0.2	-0.2	-0.2	
	20	0.4	0.3	0.2	0.2	0.2	0.0	0.1	0.1	0.0	0.0	-0.2	-0.3		
	15	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	-0.1	-0.2	-0.3	
	10	0.3	0.4	0.3	0.3	0.2	0.2	0.1	0.0	-0.1	0.0	-0.1	-0.1	-0.2	
	5	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.3	
	45° 0'	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.2		
			125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
			LONGITUDE WEST												

4X

9940-X

		LONGITUDE WEST												
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
LATITUDE	45° 0'	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4
	55	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3
	50	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
	45	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
	40	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
	35	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
	30	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1
	25	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0
	20	0.6	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.0
	15	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0
	10	0.7	0.6	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.0	-0.0
	5	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.0	0.0	-0.0
	44° 0'	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1	-0.1
	55	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.2	0.1	0.1
	50	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.2	0.0
	45	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.0
	40	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.3	0.2
	35	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.7	0.5	0.4	0.3
	30	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3
	25	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.7	0.5	0.4
20	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.6	0.4	
15	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.7	0.6	
10	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.8	0.7	
5	1.2	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7	
43° 0'	1.2	1.2	0.9	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.7	0.7	0.8	
55	1.2	1.2	1.2	0.9	0.8	0.9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	
50	1.2	1.2	1.2	1.2	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	
45	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.9	0.8	0.8	0.8	0.7	0.7	
40	1.2	1.2	1.1	1.2	1.2	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
35	1.2	1.2	1.2	1.2	1.1	1.2	0.9	0.8	0.9	0.8	0.7	0.7	0.8	
30	1.4	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.9	0.8	0.7	0.7	
25	1.4	1.4	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8	0.7	0.7	
20	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8	0.6	
15	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.2	1.1	0.8	0.8	0.8	
10	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.2	1.1	0.8	0.8	
5	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.2	0.9	0.8	
42° 0'	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.2	0.8	
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
		LONGITUDE WEST												

**9940-X**

**5X**

		LONGITUDE WEST													
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
LATITUDE	45° 0'	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.2		
	55	0.3	0.4	0.3	0.3	0.2	0.2	0.1	0.1	-0.1	-0.1	-0.1	-0.4		
	50	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0	-0.1	-0.2	-0.2		
	45	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1	-0.1	-0.2	-0.2		
	40	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.0	-0.0	-0.1	-0.2		
	35	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	-0.0	-0.1	-0.2		
	30	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	-0.2	-0.2		
	25	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	-0.2		
	20	0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1			
	15	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	-0.0	-0.1	-0.1	0.0			
	10	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0	-0.1	-0.1	-0.1	-0.1			
	5	-0.0	-0.0	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	-0.1	-0.2	-0.2			
	44° 0'	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2		
	55	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2		
	50	0.0	-0.0	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3		
	45	0.0	0.0	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.2				
	40	0.2	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.2	-0.2	-0.2				
	35	0.3	0.0	0.0	-0.1	-0.2	-0.2	-0.3	-0.2	-0.2	-0.2				
	30	0.3	0.3	0.1	-0.0	-0.2	-0.2	-0.3	-0.3	-0.2	-0.2				
	25	0.4	0.3	0.2	0.1	-0.1	-0.2	-0.3	-0.3	-0.3	-0.2				
	20	0.4	0.4	0.4	0.2	0.0	-0.1	-0.3	-0.4						
	15	0.6	0.4	0.3	0.2	0.2	-0.1	-0.2	-0.3						
	10	0.7	0.5	0.4	0.3	0.1	0.1	-0.1	-0.2						
	5	0.7	0.6	0.4	0.4	0.3	0.1	-0.1							
43° 0'	0.8	0.7	0.5	0.4	0.4	0.1	0.1								
55	0.7	0.7	0.6	0.4	0.4	0.3	0.1								
50	0.8	0.7	0.6	0.4	0.4	0.3									
45	0.7	0.7	0.7	0.5	0.3	0.2									
40	0.8	0.7	0.7	0.6	0.5	0.2	0.1								
35	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.2							
30	0.7	0.7	0.7	0.7	0.7	0.5	0.2	0.1							
25	0.7	0.7	0.7	0.7	0.8	0.6	0.4								
20	0.6	0.7	0.7	0.7	0.7	0.7	0.6								
15	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.6							
10	0.8	0.8	0.7	0.6	0.6	0.6	0.7	0.6							
5	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.5							
42° 0'	0.8	0.7	0.8	0.6	0.6	0.6	0.6	0.7	0.4	0.3					
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
		LONGITUDE WEST													

**6X**

9940-X

[illegible]

9940-X

7X

		LONGITUDE WEST												
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
LATITUDE	42° 0'	0.8	0.7	0.8	0.6	0.6	0.6	0.6	0.7	0.4	0.3			
	55	1.2	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.4			
	50	1.2	1.1	0.8	0.7	0.7	0.6	0.6	0.7	0.7	0.6			
	45	1.1	1.1	1.1	0.7	0.7	0.6	0.6	0.6	0.6	0.6			
	40	1.1	1.1	1.1	1.0	0.7	0.7	0.5	0.5	0.6	0.6	0.6		
	35	1.1	1.1	1.0	1.1	0.7	0.6	0.6	0.5	0.5	0.5	0.5		
	30	1.3	1.2	1.0	1.0	1.0	0.6	0.5	0.6	0.5	0.4	0.4	0.4	
	25	1.4	1.3	1.2	1.1	1.1	1.1	0.6	0.6	0.4	0.3	0.4	0.4	
	20	1.4	1.4	1.3	1.2	1.2	1.1	1.0	0.6	0.7	0.3	0.3	0.3	
	15	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.1	0.7	0.6	0.4		
	10	1.4	1.4	1.4	1.3	1.2	1.1	1.0	1.1	0.7	0.6	0.6		
	5	1.3	1.3	1.3	1.4	1.3	1.2	1.1	1.0	1.0	0.6	0.6		
	41° 0'	1.4	1.3	1.3	1.3	1.3	1.2	1.1	1.0	1.0	1.0	0.5		
	55	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.0	0.9	0.8	0.9		
	50	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.1	0.9			
	45	1.6	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.0			
40	1.7	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3					
35	1.7	1.7	1.7	1.5	1.5	1.4	1.3	1.2						
30	1.7	1.7	1.7	1.7	1.6	1.5	1.4	1.3						
NORTH	25	1.7	1.7	1.7	1.7	1.8	1.6	1.4	1.4					
	20	1.7	1.6	1.6	1.7	1.6	1.7	1.6	1.4					
	15	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.7					
	10	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6			
	5	1.4	1.4	1.4	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5		
	40° 0'	1.4	1.4	1.4	1.3	1.4	1.6	1.5	1.5	1.5	1.5	1.5	1.4	
	55	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.4	1.4
	50	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.4	1.4
	45	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.4
	40	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
	35	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3
	30	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	25	1.3	1.4	1.4	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3
	20	1.3	1.3	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.4	1.4
	15	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	10	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	
39° 0'	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
LONGITUDE WEST														

BX

9940-X

		LONGITUDE WEST												
		124° 0'	55	50	45	40	35	30	25	20	15	10	5	123° 0'
LATITUDE NORTH	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'													
	55	1.4												
	50	1.4	1.4											
	45	1.4	1.4	1.3										
40	1.6	1.4	1.4											
35	1.3	1.3	1.6											
30	1.3	1.4	1.3											
25	1.3	1.3	1.4											
20	1.4	1.4	1.3											
15	1.4	1.3	1.4											
10	1.4	1.4	1.4	1.4										
5	1.5	1.5	1.5	1.5										
39° 0'	1.5	1.5	1.5	1.5										
		124° 0'	55	50	45	40	35	30	25	20	15	10	5	123° 0'
		LONGITUDE WEST												



9940-X

9X

		LONGITUDE WEST													
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
LATITUDE	39° 0'	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	
	55	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.5	
	50	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	45	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	40	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	
	35	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7	
	30	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	25	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	20	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	15	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	10	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6	
	5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	
	38° 0'	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	55	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
50	1.5	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5		
45	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5		
40	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6		
35	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7		
30	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.6	1.6		
NORTH	25	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.5	1.4	
	20	1.4	1.4	1.5	1.5	1.6	1.6	1.5	1.6	1.6	1.5	1.5	1.4	1.3	
	15	1.5	1.5	1.6	1.6	1.5	1.6	1.5	1.5	1.5	1.4	1.3	1.3	1.3	
	10	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.3	1.3	1.3	1.2	1.3	
	5	1.5	1.5	1.4	1.4	1.5	1.4	1.4	1.3	1.3	1.2	1.3	1.3	1.3	
	37° 0'	1.4	1.4	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.3	
	55	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3	
	50	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.4	1.4	
	45	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.4	1.4	1.3	1.3	
	40	1.3	1.4	1.3	1.3	1.2	1.3	1.3	1.4	1.4	1.3	1.3	1.4	1.4	
	35	1.4	1.3	1.2	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.5	
	30	1.3	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.5	1.5	
	25	1.3	1.3	1.4	1.4	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.4	
	20	1.4	1.4	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
15	1.4	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
10	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.6		
5	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.6	1.6		
36° 0'	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7		
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
LONGITUDE WEST															

10X

9940-X

		LONGITUDE WEST												
		124° 0'	55	50	45	40	35	30	25	20	15	10	5	123° 0'
LATITUDE	39° 0'	1.5	1.5	1.5	1.5									
	55	1.5	1.5	1.5	1.4									
	50	1.7	1.7	1.7	1.7	1.7								
	45	1.7	1.7	1.7	1.8	1.8	1.8							
	40	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7					
	35	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7					
	30	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7			
	25	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7		
	20	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8	
	15	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6
	10	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6
	5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7
	38° 0'	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.8	
	55	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.7	1.7
	50	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.8	1.8	1.7	1.7	1.4	1.4
	45	1.5	1.5	1.6	1.7	1.7	1.7	1.6	1.7	1.6	1.5	1.4	1.3	1.2
	40	1.6	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1
	35	1.7	1.6	1.6	1.6	1.5	1.5	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	30	1.6	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.1	1.2
	25	1.4	1.4	1.3	1.3	1.3	1.2	1.3	1.3	1.2	1.1	1.2	1.2	1.3
	20	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.2	1.2	1.2	1.2	1.2
	15	1.3	1.2	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.2	1.2	1.3
	10	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.4	1.2	1.2	1.3	1.3	1.3
	5	1.3	1.2	1.3	1.3	1.4	1.3	1.3	1.2	1.3	1.3	1.4	1.3	1.3
37° 0'	1.3	1.3	1.4	1.4	1.3	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4	
55	1.3	1.4	1.4	1.3	1.2	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.5	1.5
50	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5
45	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6
40	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
35	1.5	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7
30	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7
25	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
20	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
15	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7
10	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
36° 0'	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6
		124° 0'	55	50	45	40	35	30	25	20	15	10	5	123° 0'
		LONGITUDE WEST												

11X

		LONGITUDE WEST												
		123° 0'	55	50	45	40	35	30	25	20	15	10	5	122° 0'
LATITUDE	39° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15	1.6												
	10	1.6												
	5	1.7												
	38° 0'		1.6	1.5										
	55	1.7	1.4	1.4	1.1									
	50	1.4	1.2	1.2	1.1	1.1	1.2							
45	1.2	1.2	1.1	1.1	1.1	1.0								
40	1.1	1.2	1.2	1.0	1.2	1.4	1.1							
35	1.2	1.1	1.2	1.3	1.4	1.2								
30	1.2	1.3	1.3	1.3	1.3	1.4	1.3							
NORTH	25	1.3	1.2	1.2	1.3	1.4	1.4	1.2						
	20	1.2	1.2	1.3	1.4	1.4	1.5	1.3	1.4					
	15	1.3	1.3	1.4	1.4	1.4	1.6	1.4	1.6					
	10	1.3	1.3	1.4	1.4	1.5	1.6	1.5	1.7					
	5	1.3	1.3	1.5	1.5	1.6	1.7	1.6	1.7	1.5				
	37° 0'	1.4	1.4	1.5	1.6	1.7	1.7	1.6	1.8	1.5	1.6			
	55	1.5	1.5	1.6	1.6	1.7	1.8	1.6	1.8	1.5	1.5	1.4	1.3	1.2
	50	1.5	1.6	1.6	1.6	1.7	1.7	1.6	1.7	1.4	1.5	1.4	1.3	1.2
	45	1.6	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.4	1.5	1.4	1.3	1.3
	40	1.6	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.4	1.4	1.4	1.3	1.3
	35	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.4	1.4	1.4	1.4	1.3
	30	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.5	1.4	1.4
	25	1.7	1.7	1.7	1.7	1.6	1.6	1.4	1.5	1.4	1.4	1.4	1.5	1.6
	20	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.3	1.5	1.6	1.7
	15	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.6	1.7	1.7
10	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.7	1.7	1.8	
5	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.7	1.8	1.7	
36° 0'	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.7	1.6	1.7	1.8	1.8	
		123° 0'	55	50	45	40	35	30	25	20	15	10	5	122° 0'
LONGITUDE WEST														



9940-X

13X

		LONGITUDE WEST												
		123° 0'	55	50	45	40	35	30	25	20	15	10	5	122° 0'
LATITUDE	36° 0'	1.8	1.8	1.6	1.6	1.6	1.6	1.5	1.6	1.7	1.6	1.7	1.8	1.8
	55	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.8	1.8
	50	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.8	1.8	1.7	1.7	1.8	1.8
	45	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.8	1.8
	40	1.6	1.6	1.6	1.7	1.7	1.9	1.8	1.8	1.9	1.7	1.8	1.8	1.8
	35	1.6	1.6	1.7	1.7	1.8	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8
	30	1.6	1.7	1.7	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.8
	25	1.6	1.7	1.8	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.9
	20	1.7	1.8	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.7	1.9	1.9
	15	1.8	1.8	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.7	1.8	1.9	1.8
	10	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.8
	5	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.8
	35° 0'	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.7	1.7	1.6
	55	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.7	1.6	1.6
	50	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.7	1.6	1.6
	45	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.5	1.6	1.6
40	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.6	1.5	1.6	
35	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.7	1.5	1.5	1.6	
30	1.9	1.9	1.8	1.8	1.9	1.9	1.7	1.8	1.7	1.6	1.5	1.6	1.7	
NORTH	25	1.9	1.9	1.8	1.9	1.9	1.8	1.7	1.8	1.7	1.6	1.5	1.5	1.8
	20	1.9	1.8	1.9	1.9	1.9	1.8	1.7	1.8	1.7	1.6	1.5	1.7	1.7
	15	1.8	1.9	1.9	1.9	1.8	1.8	1.6	1.8	1.6	1.6	1.5	1.7	1.6
	10	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.6	1.6	1.7	1.5	1.8
	5	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.8	1.6	1.8	1.7	1.5	1.8
	34° 0'	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.8	1.6	1.5	1.5
	55	1.9	1.8	1.8	1.8	1.7	1.7	1.5	1.6	1.8	1.8	1.6	1.5	1.5
	50	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.6	1.8	1.7	1.8	1.5	1.5
	45	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.8	1.7	1.6	1.5	1.5
	40	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.8	1.7	1.7	1.6	1.5	1.5
	35	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.8	1.7	1.6	1.6	1.5	1.5
	30	1.8	1.7	1.7	1.7	1.7	1.8	1.7	1.6	1.7	1.6	1.6	1.5	1.5
	25	1.7	1.7	1.6	1.6	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	20	1.7	1.7	1.6	1.7	1.8	1.8	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	15	1.7	1.7	1.7	1.7	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.6
	10	1.7	1.7	1.7	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5
5	1.7	1.7	1.7	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	
33° 0'	1.7	1.7	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	
		123° 0'	55	50	45	40	35	30	25	20	15	10	5	122° 0'
		LONGITUDE WEST												

14X

**9940-X**

		LONGITUDE WEST												
		122° 0'	55	50	45	40	35	30	25	20	15	10	5	121° 0'
LATITUDE	36° 0'	1.8	1.8	1.8	1.7	1.5	1.6	1.3						
	55	1.8	1.8	1.8	1.6	1.7	1.7	1.4						
	50	1.8	1.8	1.7	1.7	1.8	1.6	1.5	1.2					
	45	1.8	1.7	1.7	1.8	1.7	1.6	1.4	1.2	1.0				
	40	1.8	1.7	1.8	1.8	1.6	1.5	1.4	1.3	1.2				
	35	1.8	1.8	1.8	1.7	1.6	1.5	1.3	1.3	1.4	1.2	1.0		
	30	1.8	1.8	1.7	1.7	1.4	1.4	1.3	1.5	1.4	1.2	1.1	1.0	
	25	1.9	1.9	1.7	1.5	1.5	1.4	1.4	1.5	1.3	1.2	1.1	1.0	1.0
	20	1.9	1.8	1.7	1.6	1.5	1.4	1.5	1.4	1.3	1.2	1.2	1.1	1.1
	15	1.8	1.8	1.6	1.6	1.5	1.4	1.6	1.4	1.3	1.2	1.2	1.2	1.1
	10	1.8	1.8	1.8	1.5	1.5	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.1
	5	1.8	1.6	1.6	1.5	1.7	1.7	1.5	1.4	1.3	1.3	1.3	1.2	1.1
	35° 0'	1.6	1.6	1.5	1.6	1.7	1.6	1.5	1.4	1.4	1.4	1.3	1.2	1.1
	55	1.6	1.6	1.6	1.7	1.7	1.6	1.4	1.5	1.4	1.4	1.3	1.2	1.2
	50	1.6	1.6	1.6	1.7	1.6	1.6	1.4	1.4	1.5	1.4	1.3	1.3	1.3
45	1.6	1.6	1.7	1.6	1.6	1.5	1.5	1.4	1.5	1.4	1.4	1.3	1.3	
40	1.6	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	
35	1.6	1.8	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.5	1.4	
30	1.7	1.8	1.6	1.6	1.6	1.5	1.6	1.5	1.5	1.4	1.5	1.5	1.3	
NORTH	25	1.8	1.7	1.6	1.6	1.6	1.5	1.6	1.5	1.5	1.4	1.5	1.5	1.4
	20	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4
	15	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.5	1.5	1.4
	10	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.5	1.5	1.4
	5	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	34° 0'	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5
	55	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5
	50	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5
	45	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.6
	40	1.5	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.5	1.5	1.6	1.6
	35	1.5	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.6
	30	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.6
	25	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.5	1.6	1.7
	20	1.5	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.7
	15	1.6	1.5	1.6	1.8	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.7
10	1.5	1.5	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	
5	1.5	1.5	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.7	
33° 0'	1.5	1.5	1.6	1.7	1.6	1.6	1.6	1.5	1.6	1.6	1.7	1.7	1.7	
		122° 0'	55	50	45	40	35	30	25	20	15	10	5	121° 0'
		LONGITUDE WEST												

15X

		LONGITUDE WEST													
		121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'	
LATITUDE	36° 0'														
	55														
	50														
	45														
	40														
	35														
	30														
	25	1.0	0.9												
	20	1.1	1.0												
	15	1.1	1.0												
	10	1.1	1.1	1.1											
	5	1.1	1.1	1.1	1.0	1.1									
	35° 0'	1.1	1.1	1.1	1.0	1.1									
	55	1.2	1.2	1.1	1.0	1.1									
	50	1.3	1.2	1.1	1.1	1.2									
	45	1.3	1.2	1.1	1.1	1.2									
	40	1.4	1.3	1.2	1.1	1.2	1.2								
	35	1.4	1.3	1.2	1.2	1.3									
	30	1.3	1.3	1.2	1.3	1.3	1.4	1.4							
	25	1.4	1.3	1.4	1.3	1.4	1.4	1.5	1.2	1.1	1.1	1.0	1.0	1.0	1.0
	20	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.4	1.1	1.1	1.0	1.0	1.0	1.0
	15	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.4	1.2	1.1	1.1	1.0	1.0	1.0
	10	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1.1	1.1	1.1	1.1	1.1
	5	1.4	1.5	1.5	1.6	1.6	1.5	1.6	1.5	1.3	1.1	1.1	1.1	1.1	1.1
	34° 0'	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.5	1.3	1.2				1.2
55	1.5	1.5	1.6	1.6	1.7	1.6	1.5	1.5	1.4	1.3	1.1			1.1	
50	1.5	1.6	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.4	1.2		1.1	
45	1.6	1.6	1.7	1.7	1.7	1.7	1.6	1.5	1.4	1.4	1.4	1.2		1.1	
40	1.6	1.6	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.4	1.4	1.3		1.1	
35	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.5	1.5	1.4		1.1	
30	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.4		1.3	
25	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.4		1.4	
20	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.4		1.4	
15	1.7	1.7	1.7	1.8	1.7	1.6	1.6	1.5	1.6	1.5	1.5	1.4		1.4	
10	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.6	1.6	1.5	1.5		1.4	
5	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.5	1.6	1.6	1.5	1.5		1.4	
33° 0'	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.5	1.6	1.6	1.5	1.5		1.5	
		121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'	
		LONGITUDE WEST													

16X

9940-X

		LONGITUDE WEST													
		120° 0'	55	50	45	40	35	30	25	20	15	10	5	119° 0'	
LATITUDE	36° 0'														
	55														
	50														
	45														
	40														
	35														
	30														
	25														
	20														
	15														
	10														
	5														
	35° 0'														
	55														
	50														
	45														
	40														
	35														
	30														
	NORTH	25	1.0	1.0											
20		1.0	1.1	0.9	0.8	0.7	0.6	0.6	0.6						
15		1.0	1.1	1.0	0.8	0.8	0.6	0.6	0.6	0.6	0.6				
10		1.1	1.1	1.0	0.9	0.7	0.7	0.7	0.7	0.7	0.7				
5		1.1	1.1	1.1	1.0	0.8	0.7	0.7	0.7	0.8	0.8	0.9	0.6		
34° 0'		1.2	1.2					0.8	0.7	0.8	1.3	0.9	0.7	0.8	
55		1.1	1.2	1.1	1.0	0.9	0.8	0.7	0.8	0.8	0.9	0.9	0.9	0.7	
50		1.1	1.2	1.2	1.0	0.9	0.9	0.7	0.8	0.8	0.9	0.9	1.0	0.9	
45		1.1	1.2	1.2	1.1	0.9	0.9	0.8	0.7	0.8	0.9	0.9	1.0	1.0	
40		1.1	1.1	1.2	1.1	0.9	0.9	0.8	0.8	0.8	0.9	0.9	1.0	1.0	
35	1.1	1.1	1.2	1.2	1.0	0.9	0.9	0.9	0.8	0.9	0.9	1.0	1.0		
30	1.3	1.2	1.1	1.2	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.1	1.0		
25	1.4	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1		
20	1.4	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1		
15	1.4	1.3	1.2	1.0	1.1	1.1		1.0	1.0	1.1	1.0	1.1	1.1		
10	1.4	1.4	1.2	1.0	1.0	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1		
5	1.4	1.4	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.1	1.1		
33° 0'	1.5	1.4	1.3	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.1	
		120° 0'	55	50	45	40	35	30	25	20	15	10	5	119° 0'	
LONGITUDE WEST															



17X

		LONGITUDE WEST												
		119° 0'	55	50	45	40	35	30	25	20	15	10	5	118° 0'
LATITUDE NORTH	36° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	35° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
34° 0'	0.8	0.8	0.9	0.9	1.0	1.2	1.5							
55	0.7	0.9	0.9	0.9	0.9	1.0	1.3	1.3						
50	0.9	0.7	1.0	1.0	1.0	0.9	1.2	1.2						
45	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.1				1.1		
40	1.0	1.0	0.9	1.0	1.0	1.1	1.0	1.0	1.4	1.3	1.2	1.1		
35	1.0	1.0	1.0	0.9	1.1	1.1	1.0	0.8	1.2	1.5	1.2	1.0	1.0	
30	1.0	1.0	1.0	1.0	1.0	1.1	1.1	0.9	1.0	1.3	1.3	1.1	0.9	
25	1.1	1.1	1.1	1.1	0.9	1.2	1.0		1.1	1.2	1.2	1.2	0.9	
20	1.1	1.1	1.2	1.2	1.1	1.1	1.1			1.1	1.0	1.1	1.1	
15	1.1	1.1	1.2	1.2	1.2	1.1	1.0	1.1	1.0	1.1	0.9	1.0	1.1	
10	1.1	1.1	1.2	1.2	1.2	1.3	1.0	1.2	0.9	1.0	1.0	0.9	1.0	
5	1.1	1.1	1.2	1.3	1.2	1.3	1.1	1.1	1.0	1.0	0.9	1.0	0.9	
33° 0'	1.1	1.2	1.2	1.3	1.3		1.2	1.2	1.0	1.1	1.0	1.0	0.9	
		119° 0'	55	50	45	40	35	30	25	20	15	10	5	118° 0'
		LONGITUDE WEST												

**9940-X**

		LONGITUDE WEST												
		118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
LATITUDE NORTH	36° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
	15													
	10													
	5													
	35° 0'													
	55													
	50													
	45													
	40													
	35													
	30													
	25													
	20													
15														
10														
5														
34° 0'														
55														
50														
45														
40														
35	1.0	1.1												
30	0.9	1.1	1.0	0.9										
25	0.9	1.0	1.0	0.9	0.8									
20	1.1	1.0	1.0	1.0	0.9	1.1								
15	1.1	1.1	1.0	1.0	0.9	1.1	1.2							
10	1.0	1.1	1.0	0.9	1.0	1.0	1.1	1.2						
5	0.9	1.0	1.1	1.0	1.0	1.0	1.1	1.3	1.2					
33° 0'	0.9	0.9	1.0	1.0	1.0	0.9	1.1	1.3	1.2					
		118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
		LONGITUDE WEST												

**9940-X**

19X

		LONGITUDE WEST													
		121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'	
LATITUDE	33° 0'	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.5	1.6	1.6	1.5	1.5	1.5	
	55	1.7	1.7	1.8	1.7	1.7	1.6	1.5	1.6	1.6	1.6	1.5	1.5	1.5	
	50	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	
	45	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	
	40	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	
	35	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	
	30	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.5	1.5	
	25	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.5	1.5	
	20	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.5	
	15	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.5	
	10	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.6	1.6	1.6	1.5	
	5	1.8	1.8	1.7	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	
	32° 0'	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	
	55	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.5	
	50	1.7	1.8	1.7	1.6	1.6	1.7	1.7	1.6	1.7	1.7	1.6	1.6	1.5	
	45	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.6	1.7	1.7	1.6	1.6	1.5	
	40	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.5	
	35	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5	
	30	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5	
	NORTH	25	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5
20		1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.5	
15		1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	
10		1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	
5		1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.6	1.6	
31° 0'		1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.6	
55		1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.7	1.6	1.6	
50		1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.8	1.7	1.8	1.7	1.6	1.6	
45		1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.7	1.7	1.6	1.6	
40		1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.6	1.6	
35		1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.6	1.6	
30		1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.6	1.6	
25		1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.7	1.6	1.6	
20		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.6	
15		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.7	1.6	1.6	
10		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	
5		1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.6	
30° 0'		1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.8	1.8	1.7	1.7	1.7	1.7	
		121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'	
		LONGITUDE WEST													

**9940-X**

[illegible]

9940-X

21X

		LONGITUDE WEST												
		119° 0'	55	50	45	40	35	30	25	20	15	10	5	118° 0'
LATITUDE	33° 0'	1.1	1.2	1.2	1.3	1.3		1.2	1.2	1.0	1.1	1.0	1.0	0.9
	55	1.1	1.2	1.2	1.3	1.3	1.4		1.3	1.0	1.1	1.0	0.9	0.9
	50	1.2	1.2	1.2	1.3	1.3	1.4	1.4		1.0	1.0	1.1	1.0	0.9
	45	1.2	1.2	1.2	1.3	1.3	1.4	1.3	1.2	1.0	1.0	1.0	1.0	0.9
	40	1.3	1.3	1.2	1.3	1.3	1.4	1.3	1.4	1.0	1.1	1.0	1.0	0.9
	35	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.1	1.1	1.1	1.0	1.0
	30	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.2	1.0	1.1	1.0	1.0
	25	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.2	1.2	1.1	1.1	0.9
	20	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.4	1.2	1.2	1.1	1.1	1.0
	15	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.4	1.2	1.2	1.3	1.0	1.0
	10	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.4	1.2	1.2	1.3	1.1	1.0
	5	1.4	1.3	1.4	1.4	1.4	1.3	1.3	1.4	1.2	1.2	1.3	1.2	0.9
	32° 0'	1.4	1.4	1.3	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.3	1.2	1.1
	55	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1
	50	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.1	1.2	1.1
	45	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.1
40	1.3	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.1	1.2	1.2	1.1	
35	1.3	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.1	
30	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.4	1.4	1.2	1.2	1.2	1.1	
NORTH	25	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.4	1.5	1.2	1.2	1.2	1.1
	20	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.3	1.2	1.2	1.1
	15	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.2	1.2	1.1
	10	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.4	1.5	1.3	1.3	1.3	1.1
	5	1.5	1.4	1.5	1.5	1.5	1.6	1.6	1.4	1.5	1.3	1.3	1.3	1.2
	31° 0'	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.3	1.3	1.3	1.2
	55	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.5	1.5	1.3	1.3	1.3	1.3
	50	1.5	1.6	1.5	1.6	1.5	1.5	1.7	1.6	1.6	1.3	1.3	1.3	1.3
	45	1.5	1.6	1.5	1.6	1.5	1.5	1.7	1.6	1.6	1.3	1.3	1.3	1.3
	40	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.4	1.3	1.3	1.3
	35	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.3	1.3	1.4
	30	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.4
	25	1.6	1.6	1.6	1.7	1.5	1.6	1.6	1.5	1.6	1.5	1.4	1.3	1.4
	20	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.5	1.6	1.6	1.4	1.4	1.4
	15	1.7	1.6	1.6	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.4	1.4	1.4
	10	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.6	1.6	1.7	1.5	1.4	1.4
5	1.7	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.5	1.4	1.4	
30° 0'	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	
		119° 0'	55	50	45	40	35	30	25	20	15	10	5	118° 0'
		LONGITUDE WEST												

22X

9940-A

		LONGITUDE WEST												
		118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
LATITUDE	33° 0'	0.9	0.9	1.0	1.0	1.0	0.9	1.1	1.3	1.2				
	55	0.9	0.8	0.9	1.0	1.0	0.9	1.1	1.2	1.2	1.2			
	50	0.9	0.8	0.9	0.9	1.0	0.9	1.0	1.2	1.2				
	45	0.9	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.2	1.3			
	40	0.9	0.8	0.9	0.8	0.9	0.9	1.1	1.1	1.2	1.2	1.4		
	35	1.0	0.8	0.8	0.9	0.8	0.9	1.0	1.1	1.2	1.1	1.5		
	30	1.0	0.9	0.8	0.8	0.8	0.8	0.9	1.1	1.2	1.2	1.4		
	25	0.9	1.0	0.8	0.8	0.8	0.7	0.8	1.0	1.2	1.1	1.4	1.7	
	20	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.9	1.1	1.1	1.3	1.4	
	15	1.0	0.9	0.9	0.9	0.8	0.7	0.8	0.9	1.0	1.2	1.2	1.3	1.8
	10	1.0	1.0	0.8	0.9	0.8	0.8	0.8	0.8	0.9	1.1	1.2	1.3	1.5
	5	0.9	1.0	0.8	0.8	0.9	0.7	0.8	0.8	0.8	1.0	1.1	1.3	1.4
	32° 0'	1.1	1.0	0.9	0.8	0.9	0.8	0.8	0.7	0.9	0.9	1.0	1.3	1.3
	55	1.1	0.9	0.9	0.9	0.8	0.9	0.8	0.7	0.9	0.9	0.9	1.1	1.3
	50	1.1	1.1	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.9	0.9	1.0	1.3
	45	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9	1.0	0.9	1.1
40	1.1	1.1	1.1	0.9	0.9	0.8	0.7	0.8	0.8	0.9	0.9	1.0	1.1	
35	1.1	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	1.0	
30	1.1	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.9	
NORTH	25	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.9	0.9	0.9	0.9
	20	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.9	0.9	0.9	0.9
	15	1.1	1.1	1.1	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.9	0.9	0.9
	10	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.9	0.9	0.9
	5	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.9	0.9
	31° 0'	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.9
	55	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.9	0.9	0.9
	50	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.9	0.9	0.9
	45	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9
	40	1.3	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	35	1.4	1.3	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9
	30	1.4	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	25	1.4	1.3	1.2	1.2	1.1	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0
	20	1.4	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
	15	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
	10	1.4	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
5	1.4	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	
30° 0'	1.5	1.4	1.3	1.3	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.1	
		118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
		LONGITUDE WEST												