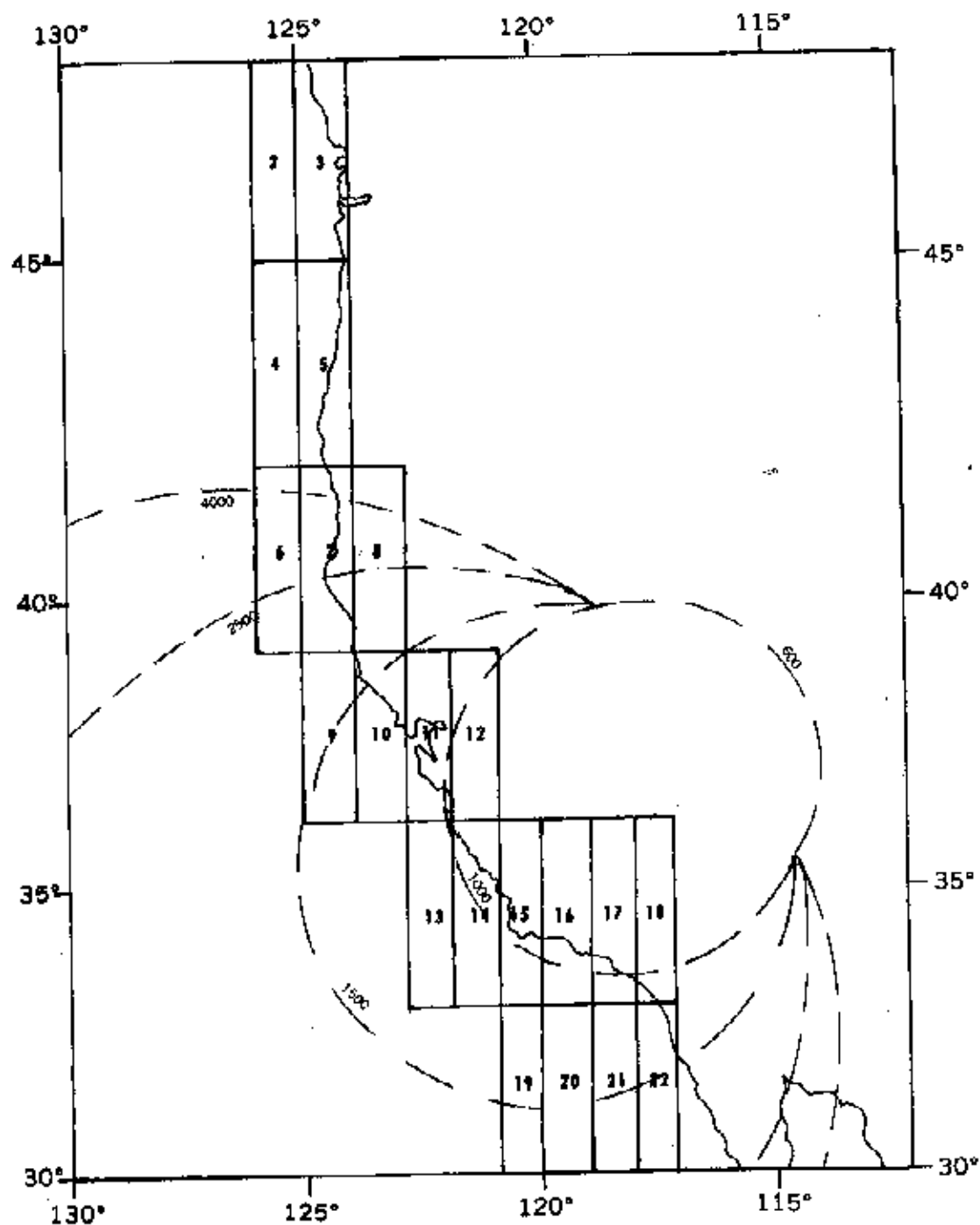


## PAGE INDEX FOR SECONDARY PHASE CORRECTIONS FOR 9940-Y



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.



3Y

		LONGITUDE WEST													
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
LATITUDE	48° 0'	-2.0	-2.0	-1.9	-1.8										
	55	-2.0	-2.0	-2.0	-1.9	-1.8									
	50	-2.0	-2.0	-2.0	-2.0	-1.9	-1.8								
	45	-2.0	-1.9	-2.0	-2.0	-2.0	-1.8	-1.8							
	40	-2.0	-2.0	-1.9	-2.0	-2.0	-2.0	-1.8	-1.8						
	35	-2.0	-2.0	-2.0	-1.9	-2.0	-2.0	-1.9	-1.8						
	30	-2.0	-2.0	-2.0	-2.0	-1.9	-2.0	-2.0	-1.9						
	25	-2.1	-2.0	-2.0	-2.0	-2.1	-1.9	-2.0	-2.0	-1.9					
	20	-2.0	-2.1	-2.0	-2.0	-2.0	-2.1	-1.9	-2.0	-2.0					
	15	-1.9	-2.0	-2.1	-2.0	-2.0	-2.0	-2.1	-1.9	-2.0	-1.9				
LATITUDE	10	-1.9	-1.9	-2.0	-2.1	-2.0	-2.0	-2.0	-2.0	-1.9	-2.0				
	5	-1.9	-1.9	-1.9	-2.1	-2.1	-2.0	-2.0	-2.0	-2.0	-1.9				
	47° 0'	-1.9	-1.9	-1.9	-2.0	-2.0	-2.1	-2.0	-2.0	-2.0	-2.0	-1.9	-1.9		
	55	-1.9	-1.9	-1.9	-1.9	-2.0	-2.1	-2.1	-2.1	-2.0	-2.0	-2.0	-1.9	-1.9	
	50	-1.9	-1.9	-1.9	-1.9	-1.9	-2.0	-2.1	-2.0	-2.0	-2.0	-2.0			
	45	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-2.0	-2.0	-2.0	-2.0			
	40	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-2.1	-2.0	-2.0	-2.0	-1.9	
	35	-1.7	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-2.0	-1.9	-2.0	-2.0	
	30	-1.6	-1.7	-1.8	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9	-2.0	-1.9	-2.0	
	NORTH	25	-1.6	-1.6	-1.7	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-2.0	-2.0
20		-1.7	-1.6	-1.6	-1.7	-1.7	-1.7	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9		
15		-1.8	-1.7	-1.6	-1.6	-1.7	-1.7	-1.7	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	
10		-1.7	-1.7	-1.7	-1.6	-1.6	-1.6	-1.7	-1.7	-1.9	-1.8	-1.8	-1.8	-1.9	
5		-1.6	-1.7	-1.7	-1.7	-1.6	-1.6	-1.6	-1.7	-1.7	-1.8	-1.8	-1.8	-1.8	
46° 0'		-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.6	-1.6	-1.7	-1.6	-1.8	-1.9	-1.8	
55		-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.6	-1.6	-1.7	-1.7	-1.8	-1.8	
50		-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.7	-1.6	-1.6	-1.7	-1.6	-1.8	
45		-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.6	-1.6	-1.5	-1.7	-1.6	
40		-1.7	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.6	-1.6	-1.5	-1.7	
NORTH	35	-1.7	-1.6	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.7	-1.6	-1.5	
	30	-1.7	-1.7	-1.7	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.7	-1.6	
	25	-1.7	-1.7	-1.8	-1.7	-1.7	-1.6	-1.6	-1.7	-1.7	-1.7	-1.7	-1.6	-1.7	
	20	-1.7	-1.7	-1.7	-1.8	-1.7	-1.8	-1.6	-1.6	-1.7	-1.7	-1.7	-1.7		
	15	-1.7	-1.7	-1.7	-1.6	-1.7	-1.7	-1.6	-1.7	-1.6	-1.7	-1.7	-1.7	-1.7	
	10	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6	-1.7	-1.6	-1.7	-1.7	-1.7	
	5	-1.8	-1.8	-1.8	-1.7	-1.7	-1.7	-1.7	-1.8	-1.7	-1.7	-1.6	-1.7	-1.6	
	45° 0'	-1.8	-1.8	-1.7	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6		
			125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
			LONGITUDE WEST												

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		LONGITUDE WEST												
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
LATITUDE	45° 0'	-1.9	-1.9	-1.7	-1.7	-1.7	-1.8	-1.7	-1.7	-1.8	-1.9	-1.8	-1.8	-1.8
	55	-2.0	-1.9	-2.0	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.9	-1.8	-1.8
	50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.7	-1.7	-1.7	-1.8	-1.7	-1.7	-1.8	-1.9
	45	-1.9	-2.0	-1.9	-1.9	-1.9	-1.9	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.8
	40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7
	35	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.7	-1.6	-1.7	-1.7
	30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.7	-1.6
	25	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.7
	20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
	15	-2.0	-1.9	-1.9	-2.0	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
	10	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9	-2.0	-1.9
	5	-2.0	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
	44° 0'	-1.9	-1.9	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-2.0	-1.9	-1.8	-1.9	-1.8
	55	-1.9	-1.9	-1.9	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-2.0	-1.8	-1.8
	50	-1.8	-1.9	-1.9	-1.9	-1.9	-2.0	-2.0	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9
45	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-2.0	-2.0	-1.9	-1.9	-1.8	-1.9	-2.0	
40	-1.8	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-2.0	-1.9	-1.9	-1.9	
35	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-2.0	-1.9	
30	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	-1.9	-1.9	-2.0	-2.0	
NORTH	25	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	-1.8	-1.8	-1.8	-1.8	-1.9	-1.9	-2.0
	20	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.8	-1.9	-1.8	-1.8	-1.8	-1.9	-1.9
	15	-1.8	-1.8	-1.8	-1.8	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8
	10	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	-1.8	-1.8	-1.8	-1.9	-1.8	-1.8
	5	-1.7	-1.7	-1.8	-1.8	-1.8	-1.7	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9
	43° 0'	-1.7	-1.7	-1.7	-1.7	-1.8	-1.8	-1.8	-1.7	-1.8	-1.8	-1.9	-1.8	-1.8
	55	-1.6	-1.6	-1.7	-1.8	-1.7	-1.7	-1.7	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9
	50	-1.4	-1.6	-1.6	-1.6	-1.7	-1.8	-1.7	-1.7	-1.7	-1.8	-1.8	-1.8	-1.8
	45	-1.4	-1.4	-1.4	-1.6	-1.6	-1.6	-1.7	-1.7	-1.7	-1.7	-1.7	-1.8	-1.8
	40	-1.3	-1.3	-1.4	-1.4	-1.4	-1.6	-1.6	-1.6	-1.7	-1.7	-1.7	-1.7	-1.7
	35	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-1.6	-1.6	-1.6	-1.6	-1.8	-1.7	-1.7
	30	-1.2	-1.2	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-1.6	-1.6	-1.6	-1.6	-1.7
	25	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.3	-1.4	-1.5	-1.6	-1.6	-1.6
	20	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-1.6
	15	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.2	-1.2	-1.2	-1.3	-1.4
10	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.2	-1.2	-1.3	
5	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.2	
42° 0'	-0.9	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1	-1.1	
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
		LONGITUDE WEST												

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		LONGITUDE WEST												
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
LATITUDE	45° 0'	-1.8	-1.8	-1.7	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.6
	55	-1.8	-1.8	-1.8	-1.7	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.8
	50	-1.9	-1.8	-1.8	-1.8	-1.7	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.8	-1.7
	45	-1.8	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
	40	-1.7	-1.7	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.8	-1.7	-1.7	-1.7	-1.7
	35	-1.7	-1.7	-1.7	-1.8	-1.9	-1.8	-1.8	-1.8	-1.7	-1.8	-1.7	-1.7	-1.7
	30	-1.6	-1.7	-1.7	-1.7	-1.8	-1.9	-1.8	-1.8	-1.8	-1.7	-1.8	-1.8	-1.7
	25	-1.7	-1.7	-1.6	-1.8	-1.7	-1.7	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8
	20	-1.9	-1.7	-1.6	-1.7	-1.7	-1.7	-1.7	-1.8	-1.8	-1.8	-1.7		
	15	-1.9	-1.9	-1.8	-1.7	-1.7	-1.7	-1.7	-1.7	-1.8	-1.9	-1.8		
	10	-1.9	-1.9	-1.9	-1.9	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.9		
	5	-1.9	-1.9	-1.9	-1.9	-1.9	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7		
	44° 0'	-1.9	-1.9	-1.9	-2.0	-1.9	-1.9	-1.8	-1.7	-1.7	-1.7	-1.7		
	55	-1.8	-1.9	-1.9	-2.0	-1.9	-1.9	-2.0	-1.9	-1.7	-1.7	-1.7		
	50	-1.9	-1.8	-1.9	-1.9	-1.9	-1.9	-2.0	-1.9	-1.9	-1.7	-1.7		
	45	-2.0	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-2.0	-1.9	-1.9			
40	-1.9	-2.0	-2.0	-1.9	-1.8	-1.9	-2.0	-2.0	-1.9	-1.9				
35	-1.9	-1.9	-1.9	-2.0	-1.9	-1.8	-1.9	-1.9	-1.9	-1.9				
30	-2.0	-1.9	-1.8	-1.9	-2.0	-2.0	-1.8	-1.8	-1.9	-2.0				
NORTH	25	-2.0	-1.9	-1.9	-1.9	-1.8	-1.9	-2.0	-1.9	-1.8	-1.9			
	20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-2.0					
	15	-1.8	-1.9	-1.9	-1.9	-1.9	-2.0	-1.9	-1.8					
	10	-1.8	-1.8	-1.9	-1.9	-2.0	-2.0	-1.9	-1.9					
	5	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9						
	43° 0'	-1.8	-1.8	-1.9	-1.8	-1.8	-1.9	-1.9						
	55	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.8						
	50	-1.8	-1.8	-1.8	-1.9	-1.9	-1.9							
	45	-1.8	-1.8	-1.8	-1.8	-1.9	-1.9							
	40	-1.7	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9						
	35	-1.7	-1.7	-1.7	-1.7	-1.8	-1.8	-1.8	-1.8					
	30	-1.7	-1.7	-1.7	-1.7	-1.7	-1.8	-1.8	-1.8					
	25	-1.6	-1.7	-1.7	-1.7	-1.7	-1.8	-1.7						
	20	-1.6	-1.6	-1.6	-1.8	-1.7	-1.7	-1.7						
	15	-1.4	-1.6	-1.6	-1.6	-1.6	-1.7	-1.7	-1.8					
	10	-1.3	-1.3	-1.4	-1.6	-1.6	-1.6	-1.6	-1.7					
5	-1.2	-1.2	-1.3	-1.4	-1.4	-1.6	-1.6	-1.7						
42° 0'	-1.1	-1.2	-1.1	-1.2	-1.3	-1.4	-1.4	-1.6	-1.6	-1.7				
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
		LONGITUDE WEST												

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		LONGITUDE WEST												
		126° 0'	55	50	45	40	35	30	25	20	15	10	5	125° 0'
LATITUDE	42° 0'	-0.9	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1	-1.1
	55	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1
	50	-1.0	-0.9	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
	45	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1
	40	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.1	-1.1
	35	-1.1	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.1	-1.1
	30	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-0.9	-0.9	-0.8	-0.8	-0.9	-0.9	-1.0
	25	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-1.0	-0.9	-0.8	-0.8	-0.9
	20	-1.1	-1.1	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-0.9	-0.9
	15	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0
	10	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.0	-1.0
	5	-1.0	-1.1	-1.1	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2
	41° 0'	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
	55	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1
	50	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1
	45	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	-1.0	-1.1	-1.0	-1.0
40	-0.8	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-1.0	-1.0	
35	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	
30	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	
NORTH	25	-1.0	-1.0		-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.9	-0.8
	20	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.9
	15	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9
	10	-1.1	-1.1	-1.0	-1.0	-1.0	-1.1	-1.0	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0
	5	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
	40° 0'	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1	-1.1	-1.1
	55	-1.1	-1.1	-1.2	-1.2	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.1	-1.1	-1.1
	50	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2
	45	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.2	-1.2
	40	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
	35	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.2	-1.2	-1.2	-1.2
	30	-0.9	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2
	25	-0.9	-0.8	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1
	20	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1
	15	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.8	-0.9	-0.9	-0.9	-1.0
	10	-0.7	-0.7	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.8	-0.9
5	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	
39° 0'	-0.7	-0.7	-0.7	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	
		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	42° 0'	-1.1	-1.2	-1.1	-1.2	-1.3	-1.4	-1.4	-1.6	-1.6	-1.7	-	-	-
	55	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.3	-1.4	-1.5	-1.5	-	-	-
	50	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.3	-1.4	-	-	-
	45	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.3	-	-	-
	40	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-	-
	35	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.1	-	-
	30	-1.0	-1.0	-1.2	-1.1	-1.1	-1.2	-1.2	-1.1	-1.1	-1.1	-1.0	-1.0	-
	25	-0.9	-0.9	-0.9	-1.1	-1.0	-1.0	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1	-
	20	-0.9	-0.8	-0.9	-0.9	-0.9	-0.9	-1.1	-1.0	-1.0	-1.1	-1.1	-1.2	-
	15	-1.0	-0.9	-0.9	-0.9	-0.9	-0.8	-0.9	-1.0	-1.0	-1.0	-1.1	-	-
	10	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-0.9	-	-
	5	-1.2	-1.1	-1.1	-0.9	-1.0	-0.9	-0.9	-0.8	-0.9	-0.8	-1.0	-	-
	41° 0'	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.0	-0.9	-0.8	-0.8	-0.9	-	-
	55	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1	-1.1	-1.0	-0.9	-0.9	-	-
	50	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.1	-	-	-
	45	-1.0	-1.0	-1.1	-1.1	-1.1	-1.0	-1.0	-1.1	-1.1	-1.1	-	-	-
40	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-	-	-	-	
35	-0.9	-0.9	-1.0	-0.9	-1.0	-1.0	-1.1	-1.1	-	-	-	-	-	
30	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-	-	-	-	-	
NORTH	25	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-	-	-	-	-
	20	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-	-	-	-	-
	15	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.9	-	-	-	-	-
	10	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-	-	-
	5	-1.1	-1.0	-1.1	-1.0	-1.1	-1.1	-1.0	-0.9	-1.0	-1.1	-1.0	-	-
	40° 0'	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-0.9	-1.0	-1.1	-
	55	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0
	50	-1.2	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.2
	45	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
	40	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.3	-1.2
	35	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.1	-1.1
	30	-1.2	-1.2	-1.2	-1.2	-1.2	-1.3	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1
	25	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
	20	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.1
	15	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
	10	-0.9	-0.9	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2
5	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.1	-1.0	-1.1	-1.1	-1.1	
39° 0'	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
		LONGITUDE WEST												





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		LONGITUDE WEST													
		125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'	
LATITUDE	39° 0'	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	
	55	-0.6	-0.5	-0.6	-0.7	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	
	50	-0.6	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	
	45	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8	
	40	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6	-0.5	-0.7	
	35	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.8	-0.7	
	30	-0.6	-0.6	-0.6	-0.6	-0.6	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	
	25	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	
	20	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	
	15	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8	
LATITUDE	10	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	
	5	-0.7	-0.7	-0.7	-0.8	-0.8	-0.7	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7	-0.7	
	38° 0'	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	
	55	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	
	50	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	
	45	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-0.9	-0.8	-0.9	-0.8	-0.8	-0.9	
	40	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	
	35	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-1.0	-0.9	-0.9	-0.9	-0.8	-0.8	
	30	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7	-0.7	-0.9	-0.9	
	NORTH	25	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.8	-0.8
20		-0.7	-0.6	-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.9	
15		-0.6	-0.6	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	
10		-0.5	-0.5	-0.6	-0.5	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.9	-0.8	
5		-0.5	-0.6	-0.6	-0.7	-0.6	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	
37° 0'		-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.8	
55		-0.8	-0.9	-0.9	-0.9	-0.9	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	
50		-0.9	-0.9	-0.9	-1.0	-1.0	-0.9	-0.9	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	
45		-0.9	-1.0	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	
40		-0.9	-0.9	-0.9	-0.9	-1.0	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	
NORTH	35	-0.9	-0.9	-1.0	-0.9	-0.9	-0.9	-0.8	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	
	30	-0.8	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8	-0.8	-0.7	-0.8	
	25	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	
	20	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	
	15	-0.7	-0.7	-0.8	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.5	-0.5	
	10	-0.7	-0.7	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.4	-0.4	-0.4	
	5	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	
	36° 0'	-0.5	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	
			125° 0'	55	50	45	40	35	30	25	20	15	10	5	124° 0'
			LONGITUDE WEST												









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		LONGITUDE WEST												
		122° 0'	55	50	45	40	35	30	25	20	15	10	5	121° 0'
LATITUDE	36° 0'	0.1	0.1	0.1	0.1	0.1	0.2	0.1						
	55	0.1	0.2	0.2	0.1	0.1	0.2	0.0						
	50	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1					
	45	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	-0.1				
	40	0.2	0.2	0.2	0.3	0.2	0.1	0.1	-0.0	0.0				
	35	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.1	0.2	0.1	0.1		
	30	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.3	0.2	0.1	0.1	
	25	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.3
	20	0.4	0.3	0.3	0.2	0.1	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.2
	15	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.1
	10	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.3	0.2
	5	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	35° 0'	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	55	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	
45	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.4	
40	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.3	
35	0.3	0.5	0.4	0.4	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	
30	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	
NORTH	25	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	20	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	15	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5
	10	0.3	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
	5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
	34° 0'	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.7	0.7	0.8
	55	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.8
	50	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.8
	45	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8
	40	0.7	0.7	0.7	0.7	0.6	0.7	0.8	0.7	0.6	0.7	0.7	0.8	0.8
	35	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
	30	0.7	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.8
	25	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.8
	20	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.8	0.9
15	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	
10	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	1.0	
5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.1	
33° 0'	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1	
		122° 0'	55	50	45	40	35	30	25	20	15	10	5	121° 0'
		LONGITUDE WEST												

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		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	0.3	0.2											
	20	0.2	0.1											
	15	0.1	0.1											
	10	0.2	0.3	0.4										
	5	0.3	0.4	0.4	0.3	0.3								
	35° 0'	0.3	0.4	0.4	0.3	0.3								
	55	0.3	0.4	0.3	0.2	0.2								
	50	0.4	0.3	0.3	0.3	0.5								
45	0.4	0.4	0.4	0.4	0.4									
40	0.3	0.2	0.2	0.2	0.3									
35	0.3	0.2	0.1	0.2	0.2									
30	0.2	0.2	0.2	0.3	0.4	0.5	0.6							
NORTH	25	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.9	0.8	0.8	0.8	0.8	0.8
	20	0.3	0.4	0.5	0.6	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
	15	0.5	0.5	0.5	0.7	0.8	0.9	1.0	1.0	1.1	1.1	1.0	1.1	1.2
	10	0.5	0.6	0.7	0.8	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
	5	0.7	0.8	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.1	1.0	1.0
	34° 0'	0.8	0.8	0.9	1.0	1.1	1.0	1.1	1.0	1.1	0.9			1.1
	55	0.8	0.8	0.9	0.9	1.1	1.1	1.0	0.8	0.9	0.8	1.0		1.1
	50	0.8	0.9	0.9	0.8	1.0	1.0	0.8	1.0	0.9	1.0	1.0	1.1	1.0
	45	0.8	0.9	0.9	1.0	1.0	1.1	1.0	1.0	0.9	0.9	1.0	1.1	1.0
	40	0.8	0.8	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.1	1.0	1.0
	35	0.8	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.1	1.0	1.0
	30	0.8	0.9	0.9	1.0	1.0	1.0	1.0	0.9	1.0	1.1	1.2	1.2	1.2
	25	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2
	20	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2
	15	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
10	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	
5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	
33° 0'	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.2	
		121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'
LONGITUDE WEST														

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		LONGITUDE WEST												
		120° 0'	55	50	45	40	35	30	25	20	15	10	5	119° 0'
LATITUDE   <														





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		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	1.6	1.7												
30	1.5	1.8	1.7	1.7										
25	1.7	1.8	1.7	1.6	1.6									
20	1.8	1.8	1.8	1.7	1.6	1.6								
15	1.8	1.8	1.8	1.6	1.4	1.6	1.9							
10	1.9	1.8	1.6	1.6	1.5	1.8	1.8	1.8						
5	1.9	1.7	1.7	1.6	1.7	1.7	1.8	1.9	1.7					
33° 0'	1.8	1.7	1.8	1.8	1.7	1.6	1.7	1.9	1.7					
		118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
		LONGITUDE WEST												

		LONGITUDE WEST													
		121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'	
LATITUDE	33° 0'	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.2	
	55	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	
	50	1.1	1.1	1.2	1.1	1.1	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.3	
	45	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.3	1.3	
	40	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.3	1.3	1.3	
	35	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.2	1.3	1.3	
	30	1.1	1.2	1.1	1.2	1.2	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.2	
	25	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	
	20	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.2	1.1	1.2	1.2	1.3	
	15	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.1	1.2	1.3	1.3	1.3	
LATITUDE	10	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	
	5	1.2	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.4	1.4	1.4	
	32° 0'	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	
	55	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	
	50	1.1	1.1	1.1	1.1	1.1	1.2	1.4	1.3	1.4	1.4	1.4	1.4	1.4	
	45	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	
	40	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	
	35	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	
	30	1.3	1.3	1.2	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.3	
	25	1.3	1.3	1.2	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.3	
NORTH	20	1.3	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
	15	1.3	1.3	1.3	1.3	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	1.4	1.4	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	1.4	1.4	
	31° 0'	1.3	1.3	1.3	1.4	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.4	1.4	
	55	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.4	
	50	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	
	45	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.4	
	40	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	
	35	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	
NORTH	30	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3	1.4	
	25	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	
	20	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	
	15	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	
	10	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	
	5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	
	30° 0'	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	
			121° 0'	55	50	45	40	35	30	25	20	15	10	5	120° 0'
			LONGITUDE WEST												

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		LONGITUDE WEST												
		120° 0'	55	50	45	40	35	30	25	20	15	10	5	119° 0'
LATITUDE	33° 0'	1.2	1.2	1.2	1.1	1.2	1.2	1.3	1.3	1.3	1.5	1.4	1.4	1.5
	55	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.5
	50	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.4	1.4	1.5	1.6
	45	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7	1.6
	40	1.3	1.3	1.2	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.6
	35	1.3	1.2	1.1	1.1	1.1	1.2	1.2	1.3	1.5	1.5	1.6	1.6	1.7
	30	1.2	1.2	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7
	25	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.4	1.5	1.5	1.7	1.7	1.7
	20	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.7	1.7	1.7
	15	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.7
	10	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.6	1.6	1.7
	5	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.7
	32° 0'	1.4	1.3	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.7
	55	1.4	1.3	1.4	1.3	1.4	1.4	1.4	1.4	1.5	1.6	1.7	1.7	1.8
	50	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.7
45	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	
40	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.7	1.7	1.7	1.7	
35	1.4	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	
30	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	
NORTH	25	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.6	1.7
	20	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.6	1.6
	15	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
	10	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.6	1.6
	5	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6
	31° 0'	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6
	55	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6
	50	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6
	45	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6
	40	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.5	1.6
	35	1.4	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.4	1.6	1.5	1.5	1.6
	30	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6
	25	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6
	20	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.6	1.6
	15	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
10	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.6	1.7	
5	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.6	
30° 0'	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.6	
		120° 0'	55	50	45	40	35	30	25	20	15	10	5	119° 0'
		LONGITUDE WEST												

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		LONGITUDE WEST												
		119° 0'	55	50	45	40	35	30	25	20	15	10	5	118° 0'
LATITUDE	33° 0'	1.5	1.6	1.6	1.7	1.9		1.9	2.0	1.9	2.0	1.9	1.9	1.8
	55	1.5	1.6	1.8	1.8	1.8	1.9		2.0	1.9	1.9	1.8	1.8	1.8
	50	1.6	1.7	1.8	1.8	1.8	1.9	1.9		1.9	1.8	1.9	1.8	1.9
	45	1.6	1.7	1.8	1.8	1.8	2.0	1.9	2.1	1.8	1.8	1.9	1.9	1.8
	40	1.6	1.7	1.8	1.8	1.8	2.0	1.9	2.0	1.8	1.8	1.9	1.9	1.8
	35	1.7	1.7	1.8	1.8	1.9	1.8	1.9	2.0	1.8	1.9	1.9	1.8	1.8
	30	1.7	1.7	1.8	1.9	1.8	1.8	1.9	2.1	1.9	1.9	1.9	1.8	1.7
	25	1.7	1.8	1.7	1.8	1.8	1.9	1.9	2.1	1.8	1.8	1.9	1.8	1.7
	20	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	1.8	1.8	1.9	1.8	1.7
	15	1.7	1.7	1.8	1.9	1.9	1.9	1.9	2.0	1.8	1.8	1.8	1.7	1.7
	10	1.7	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.6
	5	1.7	1.8	1.9	1.9	1.9	1.8	1.9	1.9	1.7	1.8	1.8	1.7	1.6
	32° 0'	1.7	1.8	1.8	1.9	1.8	1.9	1.9	1.9	1.8	1.7	1.7	1.7	1.6
	55	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.8	1.7	1.7	1.6	1.7	1.5
	50	1.7	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.6	1.6	1.6	1.5
	45	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.6	1.6	1.6	1.6
40	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.5	1.6	1.6	
35	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.6	1.7	1.6	
30	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.7	1.6	
NORTH	25	1.7	1.7	1.7	1.8	1.7	1.7	1.8	1.7	1.8	1.6	1.6	1.7	1.6
	20	1.6	1.7	1.7	1.8	1.7	1.7	1.8	1.7	1.8	1.7	1.6	1.7	1.6
	15	1.6	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.6	1.6	1.7	1.6
	10	1.6	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.8	1.6	1.6	1.7	1.6
	5	1.6	1.6	1.7	1.7	1.7	1.7	1.9	1.8	1.9	1.6	1.6	1.7	1.5
	31° 0'	1.6	1.6	1.7	1.7	1.7	1.8	1.9	1.8	1.9	1.6	1.6	1.7	1.5
	55	1.6	1.6	1.6	1.7	1.7	1.8	1.9	1.8	1.9	1.6	1.6	1.6	1.5
	50	1.6	1.6	1.7	1.8	1.8	1.8	1.9	1.8	1.9	1.6	1.5	1.5	1.5
	45	1.6	1.6	1.7	1.8	1.8	1.8	1.9	1.8	1.8	1.6	1.5	1.4	1.5
	40	1.6	1.6	1.7	1.8	1.8	1.8	1.9	1.8	1.8	1.5	1.5	1.4	1.5
	35	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.8	1.7	1.6	1.4	1.4	1.5
	30	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.7	1.7	1.6	1.5	1.5	1.5
	25	1.6	1.7	1.7	1.8	1.7	1.8	1.9	1.7	1.7	1.6	1.5	1.5	1.6
	20	1.6	1.7	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.6
	15	1.6	1.7	1.7	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
	10	1.7	1.7	1.7	1.8	1.7	1.8	1.7	1.6	1.6	1.7	1.5	1.5	1.6
5	1.6	1.7	1.7	1.8	1.6	1.6	1.7	1.6	1.7	1.7	1.5	1.5	1.6	
30° 0'	1.6	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.5	1.5	1.7	
		119° 0'	55	50	45	40	35	30	25	20	15	10	5	118° 0'
		LONGITUDE WEST												

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	LONGITUDE WEST												
	118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
33° 0'	1.8	1.7	1.8	1.8	1.7	1.6	1.7	1.9	1.7				
55	1.8	1.8	1.8	1.7	1.7	1.6	1.7	1.7	1.8	1.6			
50	1.9	1.7	1.8	1.7	1.6	1.5	1.7	1.7	1.6				
45	1.8	1.7	1.7	1.7	1.6	1.5	1.6	1.6	1.5	1.3			
40	1.8	1.7	1.7	1.7	1.6	1.5	1.5	1.5	1.5	1.3	1.6		
35	1.8	1.7	1.7	1.7	1.6	1.5	1.4	1.4	1.5	1.4	1.7		
30	1.7	1.7	1.6	1.6	1.5	1.5	1.3	1.4	1.5	1.4	1.5		
25	1.7	1.7	1.6	1.6	1.5	1.4	1.2	1.4	1.5	1.4	1.6	1.7	
20	1.7	1.6	1.5	1.5	1.5	1.3	1.3	1.5	1.5	1.4	1.5	1.3	
15	1.7	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.3	1.4	1.7
10	1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.3	1.4	1.5
5	1.6	1.6	1.4	1.4	1.5	1.4	1.4	1.4	1.5	1.3	1.3	1.4	1.5
32° 0'	1.6	1.5	1.4	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.4	1.4
55	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4
50	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.2	1.2	1.3	1.3	1.3	1.5
45	1.6	1.6	1.5	1.5	1.5	1.4	1.2	1.2	1.2	1.3	1.4	1.3	1.5
40	1.6	1.6	1.5	1.5	1.5	1.3	1.2	1.2	1.2	1.3	1.4	1.3	1.5
35	1.6	1.6	1.5	1.5	1.4	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5
30	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.4
25	1.6	1.6	1.5	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.4	1.4	1.4
20	1.6	1.6	1.4	1.3	1.2	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.4
15	1.6	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.3
10	1.6	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.3
5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3
31° 0'	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3
55	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.3	1.2	1.3	1.3	1.3
50	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.3	1.3	1.2	1.3	1.3	1.2
45	1.5	1.4	1.4	1.4	1.3	1.4	1.4	1.3	1.3	1.2	1.3	1.2	1.2
40	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.1
35	1.5	1.5	1.4	1.4	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.1	1.1
30	1.5	1.5	1.4	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.1	1.2	1.1
25	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.2
20	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.2
15	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.1	1.2
10	1.6	1.6	1.5	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.1	1.2
5	1.6	1.6	1.5	1.5	1.5	1.3	1.4	1.3	1.2	1.1	1.1	1.1	1.2
30° 0'	1.7	1.6	1.5	1.5	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.1	1.2
	118° 0'	55	50	45	40	35	30	25	20	15	10	5	117° 0'
LONGITUDE WEST													