

BEAM HEADING INFORMATION

by Philip B. Mix, WB1CZE  
55 Oak Knoll Rd.  
Williston, Vt. 05495

THIS STATION IS LOCATED IN  
LATITUDE (N)  
LONGITUDE (W)

: WILLISTON, VT  
: 44.428056deg  
: 73.106111deg

DISTANT STATION CALLSIGN  
DISTANT STATION LOCATION

VP2VI  
VIRGIN ISLANDS

N LAT

18degrees North (South) latit

W LONG

65degrees West (East) latitud

Bearing to distant station-->

163degrees from this station

Distance (miles)----->

1884miles

Distance (kilometers)----->

3032kilometers

Distance (knotical miles)-->

1637knotical miles

Bearing from distant station

347degrees to this station

Jan. 6, 1986

Note: East Latitudes  
and South Longitudes  
are negative!

= 0.77541586  
= 1.2759423

B  
N LAT(Rad) W Long(Rad)

ude 0.31415927 1.134464 0.14147833 0.14147833  
le

0.31415927  
1.134464

B  
N LAT(Rad) W Long(Rad)

0.77541586 1.2759423 -0.14147833 -0.14147833

rad 37  
rad 97

L	$\frac{\tan(\phi)}{\cos L \cot B}$	$\phi$	$\cot C$	C(rad)	C(deg)
0.14147833	3.0469332	1.2536739	-3.2692327	-0.29684451	-17.007938

L	$\frac{\tan(\phi)}{\cos L \cot B}$	$\phi$	$\cot C$	C(rad)	C(deg)
-0.14147833	1.0099737	0.79036024	-4.4418176	-0.22144109	-12.68764

<-----Distance Calculations ----->						
C corr'n	Bearing w/L corr'n	cos D	D(rad)	Dist(miles)	Kilometer	
	162.99206	162.99206	0.88870801	0.47627693	1884.2273	3032.3157

<-----Distance Calculations ----->						
C corr'n	Bearing w/L corr'n	cos D	D(rad)	Dist(miles)	Kilometer	
	167.31236	347.31236	0.88870801	0.47627693	1884.2273	3032.3157