

Sheet1

BEAM HEADING INFORMATION

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

THIS STATION IS LOCATED IN

LATITUDE (N)
LONGITUDE (W)

:
:
:

DISTANT STATION CALLSIGN
DISTANT STATION LOCATION

VP2VI
VIRGIN ISLANDS

N LAT	18
W LONG	65
Bearing to distant station->	163
Distance (miles)----->	1884
Distance (kilometers)----->	3032
Distance (knotical miles)-->	1637
Bearing from distant station	347

Jan. 6, 1986

WILLISTON,VT

44.428056 deg
73.106111 deg

Note: East Latitudes
and South Longitudes
are negative!

=
=
B
N LAT(Rad)

degrees North (South) latitude
degrees West (East) latitude
degrees from this station
miles
kilometers
knotical miles
degrees to this station

0.314159265358979

B
N LAT(Rad)

0.775415857460422

0.775415857460422	rad	37
1.27594234027844	rad	97

W Long(Rad)	L	tan(phi) cos LcotB
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1.13446401379631	0.14147832648213	0.14147832648213	0.14147832648213	3.04693324366269
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0.314159265358979				
1.13446401379631				

W Long(Rad)	L	tan(phi) cos LcotB
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1.27594234027844	-0.14147832648213	-0.14147832648213	-0.14147832648213	1.00997372278147
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phi	cot C	C(rad)	C(deg)	C corr'n
1.25367389935182	-3.26923268576683	-0.296844509399985	-17.0079375602506	162.992062439749

phi	cot C	C(rad)	C(deg)	C corr'n
0.790360238677333	-4.44181764657328	-0.221441087432861	-12.6876397206904	167.31236027931

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Bearing w/L corr'n	<-----Distance Calculations ----->		
	cos D	D(rad)	Dist(miles)
162.992062439749	0.88870800595011	0.476276933555888	1884.22726947304

Bearing w/L corr'n	<-----Distance Calculations ----->		
	cos D	D(rad)	Dist(miles)
347.31236027931	0.88870800595011	0.476276933555888	1884.22726947304

Kilometer

3032.31569609321

Kilometer

3032.31569609321