

GLOBAL GREAT CIRCLE BEARING AND DISTANCES

YOUR CITY
YOUR LATITUDE (N)
YOUR LONGITUDE (W)

Prefix	Country
VU	INDIA
OX	GREENLAND
SV	GREECE
EA	SPAIN
ZS3	SOUTHWEST AFRICA
8R	GUYANA
VP2A	BRITISH VIRGIN ISLANDS
HK	COLUMBIA
KC9	MCMURDO STA-ANTARCTICA
YS	SALVADOR
FO	FRENCH POLYNESIA
K5	TEXAS
ZL	NEW ZEALAND
BY	ILLINOIS
K6	CALIFORNIA
WWV	BOULDER,COLORADO
VK	AUSTRALIA
KH6	HAWAII
JA	TOKYO, JAPAN
KG6	GUAM
KL7	ALASKA
BY	CHINA

Sheet1

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

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WILLISTON,VT
44.2541 deg
73.0622 deg

Note: East latitudes
and South Longitudes
are negative!

N LAT (deg)	W LONG (deg)	Bearing (deg)	Distance (miles)	Distance (kmtrs)
23	-80	26.065256173015	7482.55058452859	12041.7828315493
65	45	27.077136560504	1788.19421991867	2877.76824408183
38	-22	58.052114734524	4672.94260396958	7520.23783676717
42	3	66.5922710855284	3423.04337651831	5508.75593787965
-20	-20	102.611386254806	7314.94537365267	11772.0532082071
7	57	154.598717473769	2748.58957965314	4423.34715112758
17	64	161.478491045653	1954.41414963128	3145.26851330999
6	76	184.713129984831	2647.34517592471	4260.41298732409
-78	-168	196.099846572928	9597.29608386844	15445.0750324334
13	88	206.86336442912	2331.64684930017	3752.35485306214
-20	149	246.080584112359	6511.86582018826	10479.6450286659
33	97	246.946177601484	1498.65759741862	2411.81253946757
-40	-175	249.85406383656	9032.16037150111	14535.5935071429
43	87	267.7699127666	701.109374722495	1128.30601493401
35	123	273.915268745244	2688.19654146777	4326.15571324149
40	115	276.986733429333	2143.9851650502	3450.34804107836
-30	-150	278.029927994453	9896.82248235517	15927.1074359765
20	155	279.338639019407	4870.97266229223	7838.93063135663
36	140	285.028299965671	3481.30738516736	5602.52109604619
13	-145	319.222151936943	7810.03535067071	12568.8090627756
64	150	323.382327749176	3156.79873341493	5080.28437111962
40	-115	353.804504941028	6589.50634743643	10604.5931138793

		0.772379752506823	
		1.2751759487506	
B			
N LAT(Rad)	W Long(Rad)		
0.401425727958696	-1.39626340159546	2.67143935034606	2.67143935034606
1.13446401379631	0.785398163397448	0.489777785353153	0.489777785353153
0.663225115757845	-0.383972435438753	1.65914838418935	1.65914838418935
0.733038285837618	0.0523598775598299	1.22281607119077	1.22281607119077
-0.349065850398866	-0.349065850398866	1.62424179914947	1.62424179914947
0.122173047639603	0.994837673636768	0.280338275113833	0.280338275113833
0.296705972839036	1.11701072127637	0.15816522747423	0.15816522747423
0.10471975511966	1.32645023151569	-0.0512742827650894	-0.0512742827650894
-1.36135681655558	-2.93215314335047	4.20732909210108	-2.07585621507851
0.226892802759263	1.53588974175501	-0.260713793004409	-0.260713793004409
-0.349065850398866	2.60054058547155	-1.32536463672095	-1.32536463672095
0.575958653158129	1.6929693744345	-0.417793425683899	-0.417793425683899
-0.698131700797732	-3.05432619099008	4.32950213974068	-1.95368316743891
0.750491578357562	1.51843644923507	-0.243260500484466	-0.243260500484466
0.610865238198015	2.14675497995303	-0.871579031202425	-0.871579031202425
0.698131700797732	2.00712863979348	-0.731952691042878	-0.731952691042878
-0.523598775598299	-2.61799387799149	3.8931698267421	-2.39001548043749
0.349065850398866	2.70526034059121	-1.43008439184061	-1.43008439184061
0.628318530717959	2.44346095279206	-1.16828500404146	-1.16828500404146
0.226892802759263	-2.53072741539178	3.80590336414238	-2.47728194303721
1.11701072127637	2.61799387799149	-1.34281792924089	-1.34281792924089
0.698131700797732	-2.00712863979348	3.28230458854408	-3.00088071863551

Sheet1

rad		37		
rad		97		
L	tan(phi) cos LcotB	phi	cot C	
2.67143935034606	-2.1002396720328	-1.12642141444226	2.04439091799392	
0.489777785353153	0.411487325291825	0.390369851927113	1.95609574621453	
1.65914838418935	-0.112938408135503	-0.11246187019376	0.623605342570886	
1.22281607119077	0.378718663837284	0.362026876226674	0.43289880741032	
1.62424179914947	0.146770332258428	0.145729861648542	-0.223735149050071	
0.280338275113833	7.82640661025105	1.44371236605187	-2.10587345083563	
0.15816522747423	3.23002562082677	1.27056012933176	-2.98496055854268	
-0.0512742827650894	9.50186031428948	1.46593977112285	12.1291981991113	
-2.07585621507851	0.102847586503903	0.102487242931807	3.46461609227001	
-0.260713793004409	4.18509897336631	1.33625104171041	1.97423531509679	
-1.32536463672095	-0.667568603015103	-0.588626761115217	0.443544480561731	
-0.417793425683899	1.40741574320721	0.953043397719295	0.425583892915035	
-1.95368316743891	0.445238935909482	0.418887575241941	0.366857404567542	
-0.243260500484466	1.04079579842555	0.805385643614951	0.0389420318992707	
-0.871579031202425	0.919182970039233	0.743312905217998	-0.0684408939768166	
-0.731952691042878	0.886510688951556	0.725312259083625	-0.122549531453321	
-2.39001548043749	1.26545865816324	0.902042809543348	-0.141073533055156	
-1.43008439184061	0.385328346653473	0.367794770896336	-0.164448818985775	
-1.16828500404146	0.539170355800716	0.494490702336828	-0.268478652530719	
-2.47728194303721	-3.41035257678799	-1.2855668311741	-1.15941708747778	
-1.34281792924089	0.110231804705731	0.109788554401464	-1.34563384349114	
-3.00088071863551	-1.17997477637401	-0.867769550626907	-9.21190231300063	

Sheet1

C(rad)	C(deg)	C corr'n	Distance Calcs cos D	D(rad)
0.454924540594888	26.065256173015	26.065256173015	-0.31510870095264	1.89136751458478
0.472585184992928	27.077136560504	27.077136560504	0.899574227293792	0.452002618507593
1.01320053986296	58.052114734524	58.052114734524	0.379831949395484	1.18118170252559
1.16225438682309	66.5922710855284	66.5922710855284	0.648454282779186	0.865244139711916
-1.35068611340777	-77.3886137451936	102.611386254806	-0.274630635622483	1.84900187367869
-0.443336014312039	-25.4012825262313	154.598717473769	0.768205986305553	0.694762164739808
-0.323261313690966	-18.5215089543469	161.478491045653	0.880434718521718	0.494018101300994
0.0822596363097754	4.71312998483123	4.71312998483123	0.784336458462329	0.669170573465918
0.280995331763525	16.0998465729284	16.0998465729284	-0.754647237770939	2.42591263979061
0.468854157451277	26.8633644291204	26.8633644291204	0.831290258849036	0.589371372292319
1.15332376440171	66.0805841123587	66.0805841123587	-0.0751398974039562	1.64600711114538
1.16843122077078	66.9461776014843	66.9461776014843	0.929103035120844	0.378816322485555
1.21918340984627	69.8540638365597	69.8540638365597	-0.653551086775555	2.28306304383688
1.53187396196538	87.7699127666001	87.7699127666001	0.984337642521443	0.177219716798549
-1.50246199608997	-86.0847312547564	93.9152687452436	0.777889160515416	0.679496590622999
-1.44885482449388	-83.0132665706669	96.9867334293331	0.856711682547879	0.541936048025144
-1.43064764459363	-81.9700720055469	98.0299279944531	-0.802114510724997	2.5016240557655
-1.40780632825104	-80.6613609805934	99.3386390194066	0.333070816164296	1.23123784514589
-1.30850301141659	-74.9717000343291	105.028299965671	0.637173065202512	0.879971558121378
-0.711707710578331	-40.7778480630566	139.222151936943	-0.39250138597222	1.9741459791211
-0.639098945193046	-36.6176722508243	143.382327749176	0.698179141018173	0.797945367293438
-0.108131787570098	-6.19549505897178	173.804504941028	-0.0946939204533185	1.66563234045637