

GLOBAL GREAT CIRCLE BEARING AND DISTANCES

by Philip B. Mix, WB1CZE

55 Oak Knoll Rd.

Williston,Vt. 05495

YOUR CITY : WILLISTON,VT
 YOUR LATITUDE (N) : 44.2541deg
 YOUR LONGITUDE (W) : 73.0622deg

Prefix	Country	N LAT (deg)	W LONG (deg)	Bearing (deg)
VU	INDIA	23	-80	26.065256
OX	GREENLAND	65	45	27.077137
SV	GREECE	38	-22	58.052115
EA	SPAIN	42	3	66.592271
ZS3	SOUTHWEST AFRICA	-20	-20	102.61139
8R	GUYANA	7	57	154.59872
VP2A	BRITISH VIRGIN ISLANDS	17	64	161.47849
HK	COLUMBIA	6	76	184.71313
KC9	MCMURDO STA-ANTARCTICA	-78	-168	196.09985
YS	SALVADOR	13	88	206.86336
FO	FRENCH POLYNESIA	-20	149	246.08058
K5	TEXAS	33	97	246.94618
ZL	NEW ZEALAND	-40	-175	249.85406
BY	ILLINOIS	43	87	267.76991
K6	CALIFORNIA	35	123	273.91527
WWV	BOULDER,COLORADO	40	115	276.98673
VK	AUSTRALIA	-30	-150	278.02993
KH6	HAWAII	20	155	279.33864
JA	TOKYO, JAPAN	36	140	285.0283
KG6	GUAM	13	-145	319.22215
KL7	ALASKA	64	150	323.38233
BY	CHINA	40	-115	353.8045

Note: East latitudes
and South Longitudes
are negative!

0.77237975
1.2751759

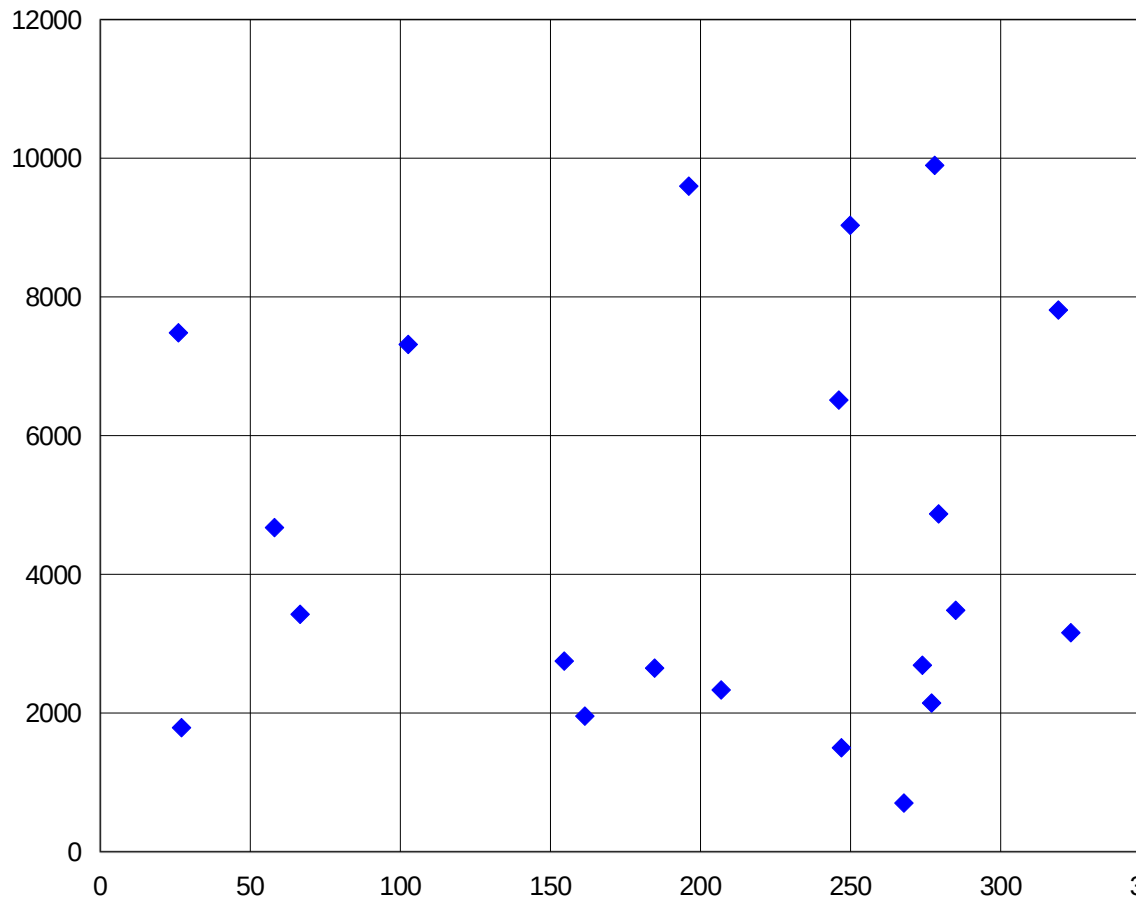
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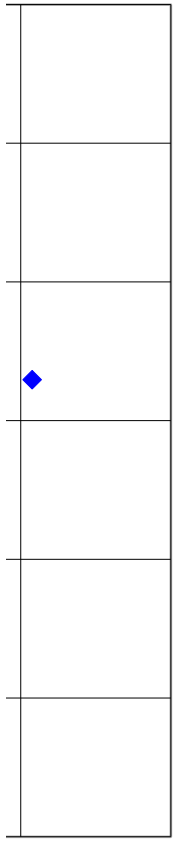
Distance (miles)	Distance (kmtrs)	N LAT(Rad)	W Long(Rad)		
7482.5506	12041.783	0.40142573	-1.3962634	2.6714394	2.6714394
1788.1942	2877.7682	1.134464	0.78539816	0.48977779	0.48977779
4672.9426	7520.2378	0.66322512	-0.38397244	1.6591484	1.6591484
3423.0434	5508.7559	0.73303829	0.052359878	1.2228161	1.2228161
7314.9454	11772.053	-0.34906585	-0.34906585	1.6242418	1.6242418
2748.5896	4423.3472	0.12217305	0.99483767	0.28033828	0.28033828
1954.4141	3145.2685	0.29670597	1.1170107	0.15816523	0.15816523
2647.3452	4260.413	0.10471976	1.3264502	-0.051274283	-0.051274283
9597.2961	15445.075	-1.3613568	-2.9321531	4.2073291	-2.0758562
2331.6468	3752.3549	0.2268928	1.5358897	-0.26071379	-0.26071379
6511.8658	10479.645	-0.34906585	2.6005406	-1.3253646	-1.3253646
1498.6576	2411.8125	0.57595865	1.6929694	-0.41779343	-0.41779343
9032.1604	14535.594	-0.6981317	-3.0543262	4.3295021	-1.9536832
701.10937	1128.306	0.75049158	1.5184364	-0.2432605	-0.2432605
2688.1965	4326.1557	0.61086524	2.146755	-0.87157903	-0.87157903
2143.9852	3450.348	0.6981317	2.0071286	-0.73195269	-0.73195269
9896.8225	15927.107	-0.52359878	-2.6179939	3.8931698	-2.3900155
4870.9727	7838.9306	0.34906585	2.7052603	-1.4300844	-1.4300844
3481.3074	5602.5211	0.62831853	2.443461	-1.168285	-1.168285
7810.0354	12568.809	0.2268928	-2.5307274	3.8059034	-2.4772819
3156.7987	5080.2844	1.1170107	2.6179939	-1.3428179	-1.3428179
6589.5063	10604.593	0.6981317	-2.0071286	3.2823046	-3.0008807

rad 37
rad 97

L	tan(phi) cos LcotB	phi	cot C	C(rad)	C(deg)
2.6714394	-2.1002397	-1.1264214	2.0443909	0.45492454	26.065256
0.48977779	0.41148733	0.39036985	1.9560957	0.47258518	27.077137
1.6591484	-0.11293841	-0.11246187	0.62360534	1.0132005	58.052115
1.2228161	0.37871866	0.36202688	0.43289881	1.1622544	66.592271
1.6242418	0.14677033	0.14572986	-0.22373515	-1.3506861	-77.388614
0.28033828	7.8264066	1.4437124	-2.1058735	-0.44333601	-25.401283
0.15816523	3.2300256	1.2705601	-2.9849606	-0.32326131	-18.521509
-0.051274283	9.5018603	1.4659398	12.129198	0.082259636	4.71313
-2.0758562	0.10284759	0.10248724	3.4646161	0.28099533	16.099847
-0.26071379	4.185099	1.336251	1.9742353	0.46885416	26.863364
-1.3253646	-0.6675686	-0.58862676	0.44354448	1.1533238	66.080584
-0.41779343	1.4074157	0.9530434	0.42558389	1.1684312	66.946178
-1.9536832	0.44523894	0.41888758	0.3668574	1.2191834	69.854064
-0.2432605	1.0407958	0.80538564	0.038942032	1.531874	87.769913
-0.87157903	0.91918297	0.74331291	-0.068440894	-1.502462	-86.084731
-0.73195269	0.88651069	0.72531226	-0.12254953	-1.4488548	-83.013267
-2.3900155	1.2654587	0.90204281	-0.14107353	-1.4306476	-81.970072
-1.4300844	0.38532835	0.36779477	-0.16444882	-1.4078063	-80.661361
-1.168285	0.53917036	0.4944907	-0.26847865	-1.308503	-74.9717
-2.4772819	-3.4103526	-1.2855668	-1.1594171	-0.71170771	-40.777848
-1.3428179	0.1102318	0.10978855	-1.3456338	-0.63909895	-36.617672
-3.0008807	-1.1799748	-0.86776955	-9.2119023	-0.10813179	-6.1954951

C corr'n	Distance Calcs cos D	D(rad)
26.065256	-0.3151087	1.8913675
27.077137	0.89957423	0.45200262
58.052115	0.37983195	1.1811817
66.592271	0.64845428	0.86524414
102.61139	-0.27463064	1.8490019
154.59872	0.76820599	0.69476216
161.47849	0.88043472	0.4940181
4.71313	0.78433646	0.66917057
16.099847	-0.75464724	2.4259126
26.863364	0.83129026	0.58937137
66.080584	-0.075139897	1.6460071
66.946178	0.92910304	0.37881632
69.854064	-0.65355109	2.283063
87.769913	0.98433764	0.17721972
93.915269	0.77788916	0.67949659
96.986733	0.85671168	0.54193605
98.029928	-0.80211451	2.5016241
99.338639	0.33307082	1.2312378
105.0283	0.63717307	0.87997156
139.22215	-0.39250139	1.974146
143.38233	0.69817914	0.79794537
173.8045	-0.09469392	1.6656323





350

400