

Monthly and Annual Means of the 1st Principal Component of the position of the North Wall of the Gulf Stream 1966-2021

NOTE: Month to month variability in the data is high because of Gulf Stream meandering. It is therefore advisable to use either annual mean values or averages over several months.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1966	0.9498	-1.2448	-0.3046	-1.0501	-0.2116	0.7334	3.4313	1.0249	4.0824	-0.3500	0.4329	0.5973	0.6742
1967	-1.0511	-0.5343	-1.6378	-1.0225	-0.8424	-0.3563	2.3927	-0.4169	-0.3319	-0.8825	2.5090	-0.6559	-0.2358
1968	-1.0093	1.7765	-0.1770	-2.0705	2.3855	0.6634	-1.7546	-1.1095	0.6934	1.3856	2.5249	3.0296	0.5282
1969	0.5602	0.2474	1.0332	-1.0012	0.2228	-1.2533	-0.7878	-2.1233	-2.6574	-0.3784	-2.1806	0.1002	-0.6849
1970	-2.2512	-2.7126	-1.8940	-0.1073	0.0142	1.3796	-0.3688	-2.4868	-2.2448	-1.1722	-1.2399	-0.4736	-1.1298
1971	-1.1836	-1.7120	-1.8395	-2.5906	-1.4331	0.0527	-4.9047	-2.8957	-1.6625	-1.5440	-1.6711	-0.6654	-1.8375
1972	-0.2560	-1.4298	-0.1539	-1.9564	-2.0626	-2.5503	0.1411	-1.8146	-2.0435	-2.8485	-0.0353	-0.1482	-1.2632
1973	-2.5636	-1.3797	-1.5078	-0.7874	-3.5338	-1.8134	-1.8548	-0.8341	-0.1610	-0.8227	-0.3011	-0.6255	-1.3487
1974	0.5484	-2.9037	-1.4084	-0.1575	-0.4714	-1.1332	-1.5534	-1.3718	0.3467	-0.3052	-1.1390	-0.2158	-0.8137
1975	0.1314	-0.8960	0.6122	1.2349	-1.5618	-1.5803	1.7282	3.1970	0.0754	-0.3670	-2.3024	0.1067	0.0315
1976	-0.0184	-2.2801	-4.4603	-0.5349	-0.0857	0.2389	-0.8764	-0.8406	-1.3167	0.6988	-0.0713	0.5736	-0.7478
1977	1.9168	-0.7273	1.2747	0.7381	-2.5320	0.4309	-1.1033	-1.2689	-0.5511	-0.7159	-1.0462	-0.1797	-0.3137
1978	-0.4053	-2.5877	0.2806	0.0023	-2.8274	-2.9975	0.0500	-1.6622	-0.2788	-0.0953	-0.8277	-1.4967	-1.0705
1979	-3.8152	-2.7248	-2.8875	-1.3774	-1.1871	0.5419	-0.4051	-1.9171	-0.2014	-2.1110	-2.1125	-0.2292	-1.5355
1980	-1.3903	1.1533	1.3628	-1.3334	-0.2950	-1.9889	0.8219	-2.7035	0.6170	1.8393	-0.4092	-1.7269	-0.3377
1981	-2.2373	0.2308	-1.1796	-2.9473	-0.0842	-0.9947	-0.0029	-0.3966	-0.2488	2.4603	-1.6434	-1.7484	-0.7327
1982	0.5656	-1.8254	-0.9486	-2.6032	-1.2041	-1.3683	-1.4834	-0.5724	-2.6924	-0.0735	0.2141	-1.6767	-1.1390
1983	-0.9607	-1.8163	0.1137	-0.5862	-1.4521	-1.0436	-0.7119	3.4558	0.6824	-0.7197	0.4100	0.7313	-0.1581
1984	0.5602	0.7774	0.5056	0.5361	-0.9466	-1.5021	-2.8201	3.0766	-0.4679	1.3274	1.6150	1.2830	0.3287
1985	1.2400	0.3287	-0.5499	1.2372	2.6389	0.7619	0.7472	0.3497	1.1141	4.0558	0.1932	-0.1263	0.9992
1986	2.3211	-1.8713	-1.7638	-1.3489	-1.3055	-0.0946	-0.5476	-1.8665	-0.7461	1.1934	1.2228	-0.2825	-0.4241
1987	-2.5085	-1.2861	-2.6931	-1.6414	-0.5712	-0.1340	0.4223	0.6107	1.3417	0.7717	0.2245	-1.0645	-0.5440
1988	-1.3351	1.4032	-0.0426	-0.3393	-0.8752	-1.2446	0.2267	-0.4498	1.7170	0.2944	0.0641	-0.4767	-0.0882

1989	-1.3453	0.0298	0.2522	0.7612	0.9917	0.2106	-0.5856	-1.5952	0.0074	0.5082	0.6781	1.9355	0.1540
1990	1.5768	1.3492	0.1700	0.5785	0.5260	-1.0938	-0.2665	0.9706	0.8035	0.6418	1.2442	0.4025	0.5752
1991	-0.2153	-0.3029	-0.6261	0.2240	1.3114	1.9728	1.3397	1.4715	2.4293	1.8796	0.3052	1.1814	0.9142
1992	1.8401	0.6993	1.3133	0.7232	0.8776	-0.0013	0.7157	0.4596	0.8388	0.5490	0.6686	2.8603	0.9620
1993	-0.7823	1.2639	-2.3616	0.1303	1.2087	1.0474	-0.1385	1.8569	1.7001	1.9652	2.0836	1.0813	0.7546
1994	2.2091	1.9898	1.7083	0.8544	0.7178	2.1716	1.2017	0.7714	-0.1848	-0.0325	-1.1149	4.4726	1.2304
1995	4.3752	2.5550	1.4123	0.5457	0.5184	2.2155	1.1746	2.5811	1.9374	2.2051	1.8281	-0.3185	1.7525
1996	2.2490	0.3049	1.6320	-0.5102	-1.1509	-1.1377	-0.4792	-1.0491	0.7835	0.2348	-0.9158	-1.9927	-0.1693
1997	-0.4792	-0.4032	-1.4231	-0.3945	0.6608	-0.6793	0.9156	-0.6444	-0.5996	-0.6050	-1.2013	0.2286	-0.3854
1998	0.8389	-0.1201	0.0388	-3.4902	-2.2245	-0.7009	-1.1943	-0.9218	0.9932	0.5838	-1.9267	-0.2120	-0.6947
1999	-0.4727	-0.3850	-0.9680	-0.9160	0.7081	0.4269	-1.7635	-0.3723	-0.7581	1.9714	0.2705	0.3230	-0.1613
2000	-0.1794	1.0334	2.0333	-0.3256	0.0400	0.3590	0.8017	0.3079	2.2050	2.6790	2.6237	1.8581	1.1197
2001	1.5556	1.2007	3.4001	2.1183	1.6530	-0.3775	0.4704	0.6656	1.4594	-0.4188	1.6336	1.5185	1.2399
2002	0.1021	0.6836	0.4551	-0.0936	0.0116	-0.8785	5.0882	1.7030	1.5569	1.1956	0.8939	0.0914	0.9008
2003	0.5545	-0.0245	1.7828	0.0930	-1.4305	-1.4837	1.1612	-1.1607	-0.2262	-0.6330	-0.5660	0.6454	-0.1073
2004	-1.5696	-0.8617	-1.4421	-1.4565	-1.3455	-1.8285	-1.4412	-0.2578	-1.4333	0.7496	0.1270	1.7519	-0.7506
2005	0.8054	0.1985	-1.0038	0.0328	0.75	-1.4993	-2.1773	-0.6273	0.2371	0.8545	0.4237	0.0841	-0.1601
2006	-0.4902	-0.5310	1.6252	-2.4089	-0.6576	-0.0115	-0.2343	0.2881	1.3900	3.6547	2.3265	1.9329	0.5737
2007	0.3916	-0.3651	0.8323	0.9312	0.4685	0.9971	-0.6577	0.1398	0.7489	0.5054	0.5193	-0.1907	0.3600
2008	-0.8098	2.6714	0.8980	-0.7363	-2.7921	-0.4110	1.3114	-0.9764	-0.1953	1.1525	0.6947	-3.1754	-0.1974
2009	2.1008	-0.4920	-2.3445	-0.7784	-1.2577	-0.0689	-0.2116	0.4498	1.3502	0.8292	0.3646	0.3986	0.0283
2010	0.5239	1.1220	-1.3030	-0.4357	-2.1549	0.4184	0.6666	0.9219	-0.5853	-0.7885	-0.0721	-0.9594	-0.2205
2011	-1.1199	-0.4383	-0.3905	-1.4883	-0.6867	1.4733	1.7513	-8.3685	-2.2995	0.2673	3.0422	-1.7585	-0.8347
2012	-0.9676	0.4719	1.0893	1.4974	1.4405	1.0598	0.4986	-0.0092	0.4603	0.8583	0.1205	3.2212	0.8118
2013	-0.7208	-0.1419	-0.5593	-1.7352	-0.4451	0.6537	-1.7645	0.9272	2.2910	0.2158	0.1472	2.5917	0.1217
2014	1.1822	0.3154	0.4609	1.6532	1.0775	-3.4616	1.1215	0.4131	0.9253	0.4990	1.2373	3.0298	0.7045
2015	2.3160	1.6606	0.8495	0.9196	2.2554	1.9918	0.5887	2.7731	1.0441	-1.6811	0.9360	1.9160	1.2975
2016	1.4391	0.4422	0.9396	0.6103	0.5822	-0.7011	0.6594	1.3537	1.4470	0.0455	-0.1738	-1.3907	0.4378
2017	-1.7136	-1.7456	0.8866	-1.2865	-0.0003	-0.9413	-1.4039	-0.4387	-0.6578	1.8670	1.0293	2.6622	-0.1452
2018	0.2960	-0.4378	1.2285	0.2215	0.2735	0.9245	1.3138	0.9431	0.8540	0.1115	-1.2053	0.6979	0.4351
2019	-1.8669	-0.5610	0.6688	-0.1360	0.0581	1.2361	0.6574	4.2174	0.1788	-1.6476	2.1422	0.1175	0.4221
2020	2.1101	-0.6886	0.7409	0.1569	-0.0521	-0.0190	-0.0431	-0.5443	0.3160	-0.1918	1.0067	2.7852	0.4648
2021	1.8115	0.3969	-1.2082	-2.1682	-1.5393	2.6913	-0.3606	0.1458	1.2659	1.2709	0.7054	1.8958	0.4089