

### Monthly and Annual Means of the 1st Principal Component of the position of the North Wall of the Gulf Stream 1966-2017

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	0.9983	-1.1887	-0.2580	-0.9948	-0.2030	0.7396	3.3906	1.0437	3.9938	-0.3226	0.4358	0.5951	0.6858
1967	-1.0241	-0.4902	-1.6182	-0.9864	-0.7805	-0.2906	2.3904	-0.3635	-0.2677	-0.8313	2.4914	-0.5649	-0.1946
1968	-0.9436	1.7976	-0.1109	-1.9994	2.3760	0.6768	-1.7085	-1.0558	0.7355	1.4183	2.5816	3.0529	0.5684
1969	0.5805	0.2900	1.0290	-0.9854	0.2242	-1.2219	-0.7644	-2.0663	-2.5778	-0.3194	-2.1308	0.1797	-0.6469
1970	-2.1865	-2.6553	-1.8461	-0.0651	0.0568	1.4014	-0.3274	-2.4000	-2.1621	-1.1063	-1.1899	-0.4344	-1.0762
1971	-1.1498	-1.6730	-1.7846	-2.5513	-1.3872	0.0661	-4.7831	-2.8056	-1.5913	-1.4861	-1.6007	-0.6213	-1.7807
1972	-0.2276	-1.3648	-0.1049	-1.8893	-1.9876	-2.4858	0.1737	-1.7434	-1.9601	-2.7665	0.0105	-0.1081	-1.2045
1973	-2.4781	-1.3077	-1.4578	-0.7253	-3.4473	-1.7532	-1.7770	-0.7893	-0.1131	-0.7869	-0.2853	-0.5849	-1.2922
1974	0.5710	-2.8217	-1.3483	-0.1292	-0.4493	-1.0936	-1.5108	-1.2983	0.3681	-0.2596	-1.0616	-0.1901	-0.7686
1975	0.1427	-0.8203	0.6237	1.2615	-1.5205	-1.5429	1.7435	3.1900	0.1393	-0.2986	-2.2233	0.1376	0.0694
1976	0.0192	-2.2385	-4.3724	-0.4840	-0.0306	0.2469	-0.8273	-0.7673	-1.2638	0.7240	-0.0402	0.5923	-0.7035
1977	1.8793	-0.6859	1.2901	0.7469	-2.4881	0.4593	-1.0630	-1.2274	-0.5317	-0.6784	-1.0017	-0.1550	-0.2880
1978	-0.3759	-2.5428	0.2760	0.0092	-2.7633	-2.9189	0.0749	-1.6105	-0.2400	-0.0802	-0.8352	-1.4686	-1.0396
1979	-3.7347	-2.6521	-2.8362	-1.2844	-1.1371	0.5393	-0.3860	-1.8725	-0.1923	-2.0531	-2.0451	-0.2160	-1.4892
1980	-1.4033	1.2296	1.3933	-1.2671	-0.2269	-1.9303	0.8335	-2.6312	0.6444	1.8629	-0.3497	-1.6650	-0.2925
1981	-2.1685	0.2642	-1.1417	-2.8741	-0.0564	-0.9703	0.0231	-0.3370	-0.2118	2.4532	-1.5854	-1.7121	-0.6931
1982	0.6017	-1.7723	-0.9129	-2.5187	-1.1574	-1.3075	-1.4216	-0.5747	-2.6242	-0.0447	0.2266	-1.6350	-1.0951
1983	-0.9347	-1.7637	0.0970	-0.5478	-1.4014	-1.0097	-0.6918	3.4113	0.6776	-0.6965	0.3977	0.7228	-0.1449
1984	0.5894	0.7937	0.5192	0.5406	-0.9576	-1.4873	-2.7557	3.0667	-0.4617	1.3393	1.6444	1.2815	0.3427
1985	1.2563	0.3629	-0.5100	1.2401	2.6461	0.8097	0.7719	0.3843	1.1276	4.0066	0.2792	-0.1007	1.0228
1986	2.2779	-1.8132	-1.6964	-1.3237	-1.2630	-0.0972	-0.5184	-1.8029	-0.6876	1.2114	1.2489	-0.2684	-0.3944
1987	-2.4265	-1.2747	-2.6184	-1.5779	-0.5309	-0.0813	0.4624	0.6172	1.3492	0.7740	0.2502	-0.9771	-0.5028
1988	-1.2779	1.4122	-0.0316	-0.3041	-0.8204	-1.1889	0.2556	-0.4227	1.7321	0.3287	0.0973	-0.4492	-0.0557
1989	-1.2931	0.0573	0.2659	0.7797	0.9941	0.1954	-0.5812	-1.5201	0.0489	0.5396	0.6492	1.9092	0.1704
1990	1.5867	1.3855	0.2126	0.6052	0.5708	-1.0336	-0.2299	0.9712	0.8175	0.6522	1.2611	0.3914	0.5992

1991	-0.2067	-0.2919	-0.6001	0.2516	1.3009	1.9745	1.3622	1.4689	2.4355	1.8945	0.2938	1.2010	0.9237
1992	1.8356	0.7271	1.3289	0.7497	0.8797	0.0306	0.7356	0.4771	0.8403	0.5661	0.6788	2.8415	0.9743
1993	-0.7335	1.2971	-2.2979	0.1510	1.2141	1.0595	-0.1135	1.9058	1.6982	1.9914	2.0930	1.0831	0.7790
1994	2.2037	2.0113	1.7212	0.8833	0.7491	2.1446	1.2361	0.7950	-0.1538	-0.0057	-1.0811	4.4319	1.2447
1995	4.3049	2.5512	1.4187	0.5562	0.5297	2.2240	1.1656	2.5764	1.8926	2.1942	1.8275	-0.2790	1.7468
1996	2.2475	0.3411	1.6380	-0.4614	-1.0819	-1.0690	-0.4377	-1.0023	0.8131	0.2794	-0.8648	-1.9189	-0.1264
1997	-0.4484	-0.3637	-1.3901	-0.3499	0.6896	-0.6376	0.9258	-0.6164	-0.5686	-0.5709	-1.1626	0.2506	-0.3535
1998	0.8438	-0.0845	0.0303	-3.3813	-2.1666	-0.6693	-1.1572	-0.9094	0.9837	0.6112	-1.8782	-0.1759	-0.6628
1999	-0.4332	-0.3466	-0.9492	-0.8784	0.7252	0.4705	-1.6415	-0.3150	-0.7048	1.9882	0.2798	0.3442	-0.1217
2000	-0.1578	1.0396	2.0384	-0.2983	0.0681	0.3735	0.8208	0.3216	2.2298	2.6790	2.6230	1.8686	1.1339
2001	1.5603	1.2097	3.3727	2.0849	1.6605	-0.3276	0.5142	0.7003	1.5409	-0.3603	1.7063	1.5246	1.2655
2002	0.1447	0.7178	0.4903	-0.0693	0.0399	-0.8229	5.0110	1.7109	1.5796	1.2236	0.9466	0.1583	0.9275
2003	0.5933	0.0055	1.7911	0.1541	-1.3442	-1.4274	1.1782	-1.0980	-0.1776	-0.5858	-0.5369	0.6797	-0.0640
2004	-1.5213	-0.8257	-1.3972	-1.3752	-1.2877	-1.7637	-1.3667	-0.2215	-1.3671	0.7855	0.1924	1.7968	-0.6959
2005	0.8320	0.2481	-0.9463	0.0625	0.7436	-1.4251	-2.0840	-0.5960	0.2399	0.8663	0.4751	0.1197	-0.1220
2006	-0.4381	-0.4892	1.6196	-2.3283	-0.6259	0.0360	-0.2192	0.2760	1.3957	3.6295	2.3316	1.9525	0.5950
2007	0.4229	-0.3218	0.8479	0.9426	0.4732	1.0373	-0.5998	0.1739	0.7810	0.5495	0.5671	-0.1290	0.3954
2008	-0.7809	2.6493	0.9319	-0.6847	-2.7169	-0.3804	1.3288	-0.9367	-0.1601	1.1553	0.7411	-3.0651	-0.1598
2009	2.0923	-0.4541	-2.2415	-0.7378	-1.2013	-0.0323	-0.1711	0.4797	1.3678	0.8615	0.3764	0.4218	0.0634
2010	0.5231	1.1253	-1.2548	-0.4098	-2.0710	0.4594	0.7036	0.9602	-0.5337	-0.7085	-0.0009	-0.8828	-0.1742
2011	-1.0833	-0.3997	-0.3421	-1.4201	-0.6624	1.4698	1.7362	-8.1498	-2.2099	0.3228	3.0399	-1.6931	-0.7826
2012	-0.9009	0.4947	1.1263	1.5172	1.4553	1.1126	0.5248	0.0230	0.4706	0.8881	0.1724	3.2573	0.8451
2013	-0.6629	-0.0843	-0.5044	-1.6985	-0.3821	0.6895	-1.6985	0.9386	2.2824	0.2459	0.1692	2.6204	0.1596
2014	1.2065	0.3372	0.4786	1.6388	1.0774	-3.3476	1.2042	0.4565	0.9612	0.5419	1.2357	3.0380	0.7357
2015	2.3462	1.6788	0.9058	0.9274	2.2603	2.0015	0.6064	2.8047	1.0750	-1.6570	0.9571	1.9271	1.3194
2016	1.5047	0.4694	0.9369	0.6415	0.6049	-0.6365	0.6910	1.3688	1.4567	0.0634	-0.1502	-1.3279	0.4685
2017	-1.6639	-1.6967	0.9123	-1.2326	0.0269	-0.9059	-1.3701	-0.3949	-0.6194	1.8813	1.0573	2.6732	-0.1110