

Monthly and Annual Means of the 1st Principal Component of the position of the North Wall of the Gulf Stream 1966-2020

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	-1.2342	-0.3038	-1.0367	-0.1746	0.7818	3.4511	1.0531	4.1127	-0.3302	0.4751	0.6230	0.6973
1967	-1.0286	-0.5245	-1.5698	-1.0030	-0.8367	-0.3614	2.4183	-0.4034	-0.3335	-0.8522	2.5292	-0.6651	-0.2192
1968	-1.0233	1.8025	-0.1903	-2.0197	2.3985	0.6856	-1.7256	-1.1164	0.6854	1.3488	2.4835	2.9873	0.5264
1969	0.5618	0.2437	1.0479	-0.9696	0.2478	-1.2443	-0.7747	-2.0920	-2.6374	-0.3772	-2.1464	0.0759	-0.6720
1970	-2.2447	-2.6828	-1.8696	-0.0909	0.0295	1.3780	-0.3441	-2.4985	-2.2446	-1.1800	-1.2348	-0.4740	-1.1214
1971	-1.1704	-1.6915	-1.8127	-2.5477	-1.4170	0.0703	-4.8822	-2.8752	-1.6507	-1.5284	-1.6766	-0.6447	-1.8189
1972	-0.2467	-1.4243	-0.1578	-1.9401	-2.0564	-2.5431	0.1523	-1.8135	-2.0454	-2.8378	-0.0367	-0.1561	-1.2588
1973	-2.5547	-1.3924	-1.5142	-0.8079	-3.5215	-1.7634	-1.8324	-0.8527	-0.1626	-0.8123	-0.2787	-0.6387	-1.3443
1974	0.5410	-2.8647	-1.4015	-0.1674	-0.4854	-1.1416	-1.5540	-1.3730	0.3379	-0.3224	-1.1484	-0.2049	-0.8154
1975	0.1397	-0.8922	0.6279	1.2298	-1.5606	-1.5634	1.7125	3.1681	0.0574	-0.3681	-2.2620	0.1432	0.0360
1976	0.0097	-2.2513	-4.4245	-0.5567	-0.1028	0.2521	-0.8919	-0.8585	-1.3092	0.7210	-0.0587	0.5838	-0.7406
1977	1.9274	-0.7309	1.2674	0.7533	-2.5187	0.4344	-1.1027	-1.2701	-0.5406	-0.6892	-1.0447	-0.1620	-0.3064
1978	-0.3887	-2.5369	0.2878	0.0208	-2.7982	-3.0005	0.0666	-1.6418	-0.2780	-0.0857	-0.7817	-1.4845	-1.0517
1979	-3.7949	-2.6963	-2.8242	-1.3488	-1.1561	0.6175	-0.3509	-1.9136	-0.1852	-2.0865	-2.0925	-0.2120	-1.5036
1980	-1.3481	1.1393	1.3961	-1.3254	-0.2953	-1.9708	0.8194	-2.6588	0.6197	1.8513	-0.3978	-1.7205	-0.3242
1981	-2.2286	0.2301	-1.1640	-2.9242	-0.0722	-0.9934	0.0049	-0.3817	-0.2586	2.4615	-1.6321	-1.7001	-0.7215
1982	0.5774	-1.7977	-0.9105	-2.5978	-1.1566	-1.3254	-1.4622	-0.5557	-2.6547	-0.0366	0.2486	-1.6359	-1.1089
1983	-0.9404	-1.8005	0.1366	-0.5538	-1.4164	-1.0141	-0.6785	3.4738	0.7161	-0.6829	0.4385	0.7466	-0.1312
1984	0.5652	0.7538	0.4959	0.5564	-0.9084	-1.4627	-2.7957	3.0790	-0.4449	1.3241	1.6042	1.2816	0.3374
1985	1.2220	0.3269	-0.5369	1.2310	2.6089	0.7445	0.7353	0.3275	1.1013	4.0467	0.1611	-0.1211	0.9873
1986	2.3303	-1.8545	-1.7571	-1.3152	-1.3038	-0.0781	-0.5449	-1.8572	-0.7385	1.1848	1.2126	-0.2616	-0.4153
1987	-2.5057	-1.2697	-2.6732	-1.6132	-0.5496	-0.1297	0.4256	0.6285	1.3190	0.7713	0.2073	-1.0560	-0.5371
1988	-1.3238	1.4278	-0.0007	-0.3199	-0.8518	-1.2370	0.2262	-0.4352	1.7141	0.3081	0.0550	-0.4677	-0.0754
1989	-1.3229	0.0345	0.2570	0.7486	0.9954	0.2347	-0.5620	-1.5744	0.0301	0.4937	0.6877	1.9500	0.1644

1990	1.5918	1.3391	0.1783	0.6000	0.5330	-1.0799	-0.2519	0.9697	0.8084	0.6487	1.2528	0.4269	0.5847
1991	-0.1952	-0.2834	-0.6029	0.2221	1.3110	1.9629	1.3361	1.4730	2.3991	1.8535	0.3297	1.1738	0.9150
1992	1.8293	0.7223	1.3458	0.7347	0.8866	0.0072	0.7236	0.4782	0.8569	0.5634	0.6703	2.8758	0.9745
1993	-0.7715	1.2904	-2.3328	0.1578	1.2116	1.0496	-0.1222	1.8356	1.6899	1.9599	2.0998	1.1092	0.7648
1994	2.2075	1.9541	1.6896	0.8570	0.7087	2.1757	1.1973	0.7598	-0.1790	-0.0152	-1.0934	4.4763	1.2282
1995	4.3840	2.5782	1.4104	0.5571	0.5267	2.2133	1.1806	2.5737	1.9650	2.1952	1.8205	-0.3183	1.7572
1996	2.2368	0.3077	1.6242	-0.4964	-1.1446	-1.1200	-0.4574	-1.0568	0.7835	0.2423	-0.8939	-1.9878	-0.1635
1997	-0.4690	-0.3939	-1.3991	-0.3941	0.6840	-0.6784	0.9361	-0.6314	-0.5973	-0.6020	-1.1929	0.2482	-0.3742
1998	0.8607	-0.1114	0.0784	-3.4636	-2.2048	-0.6808	-1.1670	-0.8996	1.0195	0.5831	-1.9165	-0.1827	-0.6737
1999	-0.4681	-0.3862	-0.9418	-0.9156	0.7041	0.4657	-1.7666	-0.3771	-0.7561	1.9643	0.2784	0.3085	-0.1575
2000	-0.1805	1.0428	2.0407	-0.3264	0.0582	0.3645	0.7929	0.3068	2.1553	2.6526	2.6047	1.8429	1.1129
2001	1.5360	1.2219	3.4032	2.1319	1.6701	-0.3526	0.4653	0.6807	1.4167	-0.4287	1.6272	1.5413	1.2428
2002	0.1091	0.6896	0.4659	-0.0824	0.0199	-0.8856	5.0764	1.7230	1.5651	1.1959	0.8780	0.0885	0.9036
2003	0.5509	-0.0201	1.7526	0.0695	-1.4251	-1.4651	1.1748	-1.1529	-0.2192	-0.6315	-0.5675	0.6376	-0.1080
2004	-1.5475	-0.8442	-1.4056	-1.4408	-1.3342	-1.8204	-1.4265	-0.2572	-1.4292	0.7366	0.1478	1.7105	-0.7426
2005	0.7950	0.1873	-0.9930	0.0509	0.8096	-1.4741	-2.1640	-0.6136	0.2530	0.8787	0.4401	0.0453	-0.1487
2006	-0.4776	-0.5371	1.6570	-2.4069	-0.6389	-0.0071	-0.2161	0.3010	1.4079	3.6687	2.3350	1.9410	0.5856
2007	0.3900	-0.3696	0.8306	0.9129	0.4787	0.9808	-0.6752	0.1606	0.7470	0.5068	0.4989	-0.2030	0.3549
2008	-0.8102	2.6896	0.9120	-0.7094	-2.7641	-0.3838	1.3019	-0.9651	-0.1969	1.1336	0.6829	-3.1879	-0.1915
2009	2.1281	-0.4750	-2.3143	-0.7399	-1.2558	-0.0818	-0.2041	0.4596	1.3438	0.8071	0.3634	0.3958	0.0356
2010	0.5355	1.1456	-1.2945	-0.4203	-2.1114	0.3982	0.7003	0.9228	-0.5587	-0.8009	-0.0559	-0.9588	-0.2082
2011	-1.1022	-0.4158	-0.3805	-1.4792	-0.6590	1.4853	1.7580	-8.1842	-2.3003	0.2987	3.0428	-1.7571	-0.8078
2012	-0.9701	0.4837	1.0727	1.4858	1.4306	1.0378	0.4930	-0.0066	0.4330	0.8437	0.1167	3.2125	0.8027
2013	-0.7333	-0.1374	-0.5582	-1.7013	-0.4685	0.6517	-1.7563	0.9251	2.2991	0.2235	0.1558	2.5357	0.1197
2014	1.1599	0.3167	0.4494	1.6364	1.0520	-3.4654	1.0926	0.4038	0.9005	0.4786	1.2710	2.9919	0.6906
2015	2.2927	1.6567	0.8131	0.9390	2.2351	1.9561	0.5800	2.7807	1.0441	-1.6466	0.9213	1.9053	1.2898
2016	1.4000	0.4336	0.9419	0.5948	0.5721	-0.7076	0.6407	1.3245	1.4295	0.0402	-0.1787	-1.3885	0.4252
2017	-1.6981	-1.7217	0.8905	-1.2893	0.0008	-0.9309	-1.3860	-0.4330	-0.6505	1.9035	1.0320	2.6665	-0.1347
2018	0.3085	-0.4459	1.2352	0.2358	0.2826	0.9336	1.3136	0.9398	0.8759	0.1139	-1.1800	0.7192	0.4444
2019	-1.8587	-0.5680	0.6651	-0.1268	0.0710	1.2293	0.6495	4.2385	0.1693	-1.6428	2.1519	0.1472	0.4271
2020	2.1406	-0.6828	0.7446	0.1478	-0.0553	-0.0161	-0.0257	-0.5370	0.3101	-0.1864	1.0107	2.7732	0.4686