Assimilated Data based on 48h Forecast — GraphCast Forecast on ERA5

u_component_of_wind	1000	2000	4000	8000	10000	20000	40000	6	12	18	24	48
50 hPa	2.460	2.259	1.966	1.587	1.466	1.035	0.736	1.241	1.667	1.855	2.055	2.379
100 hPa	2.350	2.200	2.017	1.680	1.564	1.179	0.872	1.112	1.523	1.658	1.910	2.387
150 hPa	2.630	2.496	2.271	1.905	1.788	1.351	1.015	1.073	1.576	1.718	1.948	2.444
200 hPa	2.939	2.775	2.518	2.111	1.956	1.485	1.101	1.093	1.503	1.660	1.929	2.532
250 hPa	3.167	2.983	2.649	2.248	2.067	1.537	1.105	1.099	1.539	1.719	1.937	2.700
300 hPa	3.370	3.158	2.845	2.375	2.219	1.608	1.118	1.098	1.567	1.741	2.000	2.811
400 hPa	3.066	2.863	2.617	2.222	2.072	1.525	1.027	0.991	1.485	1.666	1.885	2.616
500 hPa	2.613	2.447	2.249	1.915	1.784	1.320	0.926	0.851	1.289	1.402	1.667	2.295
600 hPa	2.328	2.184	2.026	1.728	1.617	1.249	0.891	0.754	1.171	1.279	1.491	2.024
700 hPa	2.196	2.091	1.963	1.708	1.591	1.230	0.897	0.734	1.130	1.224	1.415	1.899
850 hPa	2.147	2.070	1.933	1.707	1.625	1.287	0.972	0.708	1.039	1.121	1.353	1.801
925 hPa	2.065	1.993	1.883	1.669	1.596	1.297	0.965	0.662	0.952	1.057	1.259	1.727
1000 hPa	1.613	1.577	1.511	1.364	1.307	1.082	0.815	0.568	0.776	0.876	1.038	1.360

Number of observed columns — Lead time

Relative RMSE (w.r.t. 48h GraphCast forecast RMSE, lower is better)