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

v_component_of_wind	1000	2000	4000	8000	10000	20000	40000	48	60	72	84	96
50 hPa	2.341	2.282	2.249	2.239	2.198	2.181	2.162	2.111	2.301	2.372	2.476	2.546
100 hPa	2.819	2.773	2.657	2.566	2.498	2.431	2.387	2.333	2.489	2.534	2.779	3.132
150 hPa	3.241	3.207	2.986	2.857	2.744	2.617	2.551	2.454	2.613	2.808	3.056	3.392
200 hPa	3.956	3.838	3.556	3.305	3.186	2.939	2.808	2.462	2.798	3.095	3.465	4.183
250 hPa	4.691	4.376	4.124	3.848	3.656	3.422	3.176	2.768	3.234	3.856	4.383	5.177
300 hPa	5.025	4.648	4.395	4.144	3.981	3.730	3.413	2.982	3.412	4.011	4.491	5.447
400 hPa	4.684	4.395	4.079	3.797	3.659	3.428	3.149	2.788	3.255	3.655	4.046	4.775
500 hPa	4.048	3.831	3.572	3.294	3.172	2.925	2.740	2.389	2.775	3.090	3.427	4.016
600 hPa	3.539	3.377	3.162	2.913	2.796	2.536	2.411	2.091	2.403	2.687	3.022	3.436
700 hPa	3.260	3.153	2.940	2.708	2.611	2.369	2.254	1.903	2.115	2.431	2.685	2.982
850 hPa	3.150	3.031	2.801	2.566	2.457	2.261	2.136	1.738	2.042	2.262	2.539	2.831
925 hPa	3.064	2.923	2.689	2.470	2.361	2.204	2.078	1.689	2.001	2.262	2.496	2.814
1000 hPa	2.378	2.241	2.078	1.921	1.837	1.721	1.621	1.351	1.510	1.757	1.944	2.134

Number of observed columns — Lead time

Relative RMSE (w.r.t. 96h GraphCast forecast RMSE, lower is better)

0.6 0.7 0.8 0.9 1.0 1.1