	Assimilated Data based on 48h Forecast							GraphCast Forecast on ERA5				
50 hPa	1.351	1.261	1.118	0.941	0.853	0.643	0.484	0.617	0.840	0.954	1.048	1.357
100 hPa	0.939	0.879	0.794	0.671	0.621	0.473	0.353	0.423	0.569	0.653	0.717	0.930
150 hPa	0.783	0.723	0.662	0.548	0.506	0.367	0.266	0.347	0.461	0.534	0.602	0.762
200 hPa	0.919	0.864	0.775	0.619	0.572	0.410	0.297	0.343	0.460	0.527	0.599	0.816
250 hPa	0.873	0.818	0.726	0.582	0.543	0.382	0.261	0.306	0.404	0.460	0.562	0.800
300 hPa	0.821	0.767	0.691	0.561	0.515	0.370	0.255	0.257	0.377	0.431	0.506	0.724
400 hPa	0.799	0.743	0.662	0.540	0.496	0.371	0.257	0.255	0.378	0.425	0.482	0.671
500 hPa	0.782	0.724	0.652	0.534	0.495	0.361	0.243	0.241	0.369	0.402	0.484	0.725
600 hPa	0.792	0.751	0.683	0.562	0.519	0.382	0.264	0.255	0.379	0.407	0.492	0.721
700 hPa	0.870	0.829	0.749	0.629	0.586	0.433	0.310	0.303	0.467	0.508	0.585	0.785
850 hPa	1.113	1.070	0.982	0.861	0.811	0.641	0.496	0.404	0.618	0.671	0.763	0.998
925 hPa	1.119	1.074	0.998	0.877	0.841	0.678	0.534	0.434	0.638	0.715	0.787	1.025
1000 hPa	1.265	1.216	1.135	1.017	0.965	0.781	0.608	0.486	0.709	0.758	0.841	1.032

temperature

Number of observed columns: 1000, 2000, 4000, 8000, 10000, 20000, 40000

Lead time: 6, 12, 18, 24, 48

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