Figure showing two heatmaps: "48h GraphCast Forecast on Assimilated Data" (left) and "GraphCast Forecast on ERA5" (right).

specific_humidity	48h GraphCast Forecast on Assimilated Data							GraphCast Forecast on ERA5				
	1000	2000	4000	8000	10000	20000	40000	48	60	72	84	96
50 hPa	6.74e-08	6.68e-08	6.49e-08	6.33e-08	6.24e-08	6.08e-08	5.89e-08	5.95e-08	6.43e-08	6.48e-08	6.54e-08	6.77e-08
100 hPa	2.33e-07	2.32e-07	2.26e-07	2.21e-07	2.19e-07	2.11e-07	2.07e-07	2.02e-07	2.18e-07	2.28e-07	2.39e-07	2.54e-07
150 hPa	1.55e-06	1.54e-06	1.50e-06	1.44e-06	1.41e-06	1.36e-06	1.32e-06	1.26e-06	1.31e-06	1.39e-06	1.42e-06	1.45e-06
200 hPa	9.15e-06	9.32e-06	9.17e-06	8.72e-06	8.62e-06	8.25e-06	7.91e-06	7.61e-06	7.71e-06	8.02e-06	8.15e-06	8.28e-06
250 hPa	3.19e-05	3.27e-05	3.19e-05	3.06e-05	3.01e-05	2.88e-05	2.76e-05	2.69e-05	2.83e-05	2.96e-05	3.04e-05	3.20e-05
300 hPa	7.57e-05	7.64e-05	7.38e-05	7.27e-05	7.03e-05	6.80e-05	6.51e-05	6.23e-05	6.48e-05	6.85e-05	7.12e-05	7.53e-05
400 hPa	2.54e-04	2.48e-04	2.45e-04	2.35e-04	2.26e-04	2.16e-04	2.06e-04	1.93e-04	2.07e-04	2.25e-04	2.31e-04	2.44e-04
500 hPa	5.02e-04	4.97e-04	4.88e-04	4.65e-04	4.47e-04	4.20e-04	4.01e-04	3.79e-04	4.12e-04	4.51e-04	4.65e-04	4.81e-04
600 hPa	7.30e-04	7.25e-04	7.12e-04	6.79e-04	6.45e-04	6.00e-04	5.70e-04	5.27e-04	5.82e-04	6.13e-04	6.57e-04	6.95e-04
700 hPa	0.001	9.58e-04	9.52e-04	9.03e-04	8.78e-04	8.10e-04	7.72e-04	7.11e-04	7.76e-04	8.31e-04	8.60e-04	9.01e-04
850 hPa	0.001	0.001	0.001	0.001	0.001	0.001	9.98e-04	8.98e-04	9.70e-04	0.001	0.001	0.001
925 hPa	9.84e-04	9.58e-04	9.35e-04	8.98e-04	8.71e-04	8.13e-04	7.65e-04	7.12e-04	7.70e-04	7.90e-04	8.27e-04	8.50e-04
1000 hPa	7.56e-04	7.16e-04	7.06e-04	6.66e-04	6.45e-04	5.96e-04	5.53e-04	4.91e-04	5.35e-04	5.63e-04	5.90e-04	6.14e-04

Number of observed columns (left x-axis). Lead time (right x-axis).

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