	Assimilated Data based on 48h Forecast							GraphCast Forecast on ERA5					
	50 hPa -	6.20e-08	5.97e-08	5.70e-08	5.18e-08	4.98e-08	4.38e-08	3.56e-08	2.01e-08	2.94e-08	3.85e-08	4.43e-08	5.95e-08
specific_humidity	100 hPa -	1.88e-07	1.84e-07	1.76e-07	1.64e-07	1.60e-07	1.39e-07	1.14e-07	8.06e-08	1.09e-07	1.33e-07	1.49e-07	2.02e-07
	150 hPa -	1.36e-06	1.33e-06	1.28e-06	1.20e-06	1.17e-06	1.03e-06	8.46e-07	6.42e-07	8.35e-07	9.96e-07	1.08e-06	1.26e-06
	200 hPa -	8.84e-06	8.71e-06	8.40e-06	8.03e-06	7.79e-06	6.95e-06	5.82e-06	4.17e-06	5.38e-06	6.32e-06	6.60e-06	7.61e-06
	250 hPa -	2.99e-05	2.96e-05	2.87e-05	2.72e-05	2.65e-05	2.37e-05	1.96e-05	1.46e-05	1.87e-05	2.19e-05	2.36e-05	2.69e-05
	300 hPa -	6.68e-05	6.62e-05	6.40e-05	6.09e-05	5.92e-05	5.31e-05	4.46e-05	2.86e-05	3.99e-05	4.61e-05	5.10e-05	6.23e-05
	400 hPa -	2.01e-04	1.99e-04	1.92e-04	1.82e-04	1.78e-04	1.59e-04	1.31e-04	7.82e-05	1.20e-04	1.40e-04	1.58e-04	1.93e-04
	500 hPa -	4.05e-04	4.02e-04	3.90e-04	3.71e-04	3.63e-04	3.21e-04	2.61e-04	1.45e-04	2.16e-04	2.54e-04	2.94e-04	3.79e-04
	600 hPa -	5.77e-04	5.68e-04	5.54e-04	5.24e-04	5.13e-04	4.52e-04	3.65e-04	1.91e-04	2.98e-04	3.37e-04	3.88e-04	5.27e-04
	700 hPa -	7.97e-04	7.86e-04	7.62e-04	7.24e-04	7.05e-04	6.21e-04	5.05e-04	2.57e-04	3.89e-04	4.59e-04	5.37e-04	7.11e-04
	850 hPa -	9.96e-04	9.80e-04	9.58e-04	9.07e-04	8.92e-04	7.92e-04	6.56e-04	3.65e-04	5.17e-04	5.97e-04	6.85e-04	8.98e-04
	925 hPa -	7.93e-04	7.84e-04	7.68e-04	7.33e-04	7.19e-04	6.48e-04	5.41e-04	3.51e-04	4.70e-04	5.33e-04	5.86e-04	7.12e-04
	1000 hPa -	5.73e-04	5.66e-04	5.54e-04	5.28e-04	5.14e-04	4.57e-04	3.71e-04	2.85e-04	3.32e-04	3.58e-04	3.93e-04	4.91e-04
	'	1000	2000	4000 Number	8000 of observed	10000 columns	20000	40000	6	12	18 Lead time	24	48
			1										

1.0

0.9

0.8

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

1.1

0.4

0.5

0.6

0.7