Surface Level Parameters

1. 10m wind u
2. 10m wind v
3. low cloud amount
4. medium cloud amount
5. high cloud amount
6. 1.5m temperature
7. 1.5m specific humidity
8. total accumulated precipitation
9. visibility
10. MSLP
11. temperature anomaly
12. vertical velocity
13. relative humidity
14. precipitation rate
15. total precipitation
16. large scale precipitation (non-convective)
17. snow depth (water equivalent)
18. mixed layer depth
19. total cloud cover
20. convective cloud cover
21. convective snow
22. large scale snow
23. deviation of sea level from mean
24. surface roughness
25. net short-wave radiation flux (surface)
26. latent heat net flux
27. sensible heat net flux
28. wet-bulb potential temperature
29. snow probability
30. fog fraction at 1.5m
31. soil temperature
32. accumulated convective rain
33. rate of dynamic rainfall
34. rate of convective rainfall
35. rate of dynamic snowfall
36. rate of convective snowfall
37. 10m maximum gust
38. freezing level ICAO height
39. -20 deg celsius isotherm true height
40. max temperature
41. max temperature
42. total precipitation
Multi-Level Parameters

1. geopotential height
2. temperature
3. wind u
4. wind v
5. relative humidity

Levels

1. 1000hPa
2. 950hPa
3. 925hPa
4. 850hPa
5. 700hPa
6. 500hPa
7. 400hPa
8. 300hPa
9. 250hPa
10. 200hPa
11. 150hPa
12. 100hPa

Time Steps

6 hourly T+0 to T+72
12 hourly T+84 to T+144

Model Run Times

00UTC & 12UTC

Domains

Met Office NWP global areas A, B, C, D, E, F, G & H are designated as:

1. AREA A: LAT. 89.7° to 0.3°N, LONG. 18.75°W to 71.25°E
2. AREA B: LAT. 89.7° to 0.3°N, LONG. 71.25°W to 161.25°E
3. AREA C: LAT. 89.7° to 0.3°N, LONG. 161.25°E to 108.75°W
4. AREA D: LAT. 89.7° to 0.3°N, LONG. 108.75°W to 18.75°W
5. AREA E: LAT. 0.3° to 89.7°S, LONG. 18.75°W to 71.25°E
6. AREA F: LAT. 0.3° to 89.7°S, LONG. 71.25°W to 161.25°E
7. AREA G: LAT. 0.3° to 89.7°S, LONG. 161.25°E to 108.75°W
8. AREA H: LAT. 0.3° to 89.7°S, LONG. 108.75°W to 18.75°W
Resolution

0.56 deg N/S x 0.83 deg E/W (~60km)

Format

GriB1