Single level.

List of variables:

|  |  |  |  |
| --- | --- | --- | --- |
| S.N. | Full name | Short name | Unit |
| 1 | 10m u-component of wind | u10 | ms-1 |
| 2 | 10m v-component of wind | v10 | ms-1 |
| 3 | 2m dewpoint temperature | d2m | Kelvin |
| 4 | 2m temperature | t2m | Kelvin |
| 5 | Black carbon aerosol optical depth at 550 nm | bcaod550 | ~ |
| 6 | Dust aerosol optical depth at 550 nm | duaod550 | ~ |
| 7 | Land-sea mask | lsm | (0-1) |
| 8 | Mean sea level pressure | msl | Pa |
| 9 | Organic matter aerosol optical depth at 550 nm | omaod550 | ~ |
| 10 | Particulate matter d < 1 µm (PM1) | pm1 | kgm-3 |
| 11 | Particulate matter d < 2.5 µm (PM2.5) | pm2p5 | kgm-3 |
| 12 | Particulate matter d < 10 µm (PM10) | pm10 | kgm-3 |
| 13 | Sea salt aerosol optical depth at 550 nm | ssaod550 | ~ |
| 14 | Sulphate aerosol optical depth at 550 nm | suaod550 | ~ |
| 15 | Surface geopotential | z | m2s-2 |
| 16 | Surface pressure | sp | Pa |
| 17 | Total aerosol optical depth at 469 nm | aod469 | ~ |
| 18 | Total aerosol optical depth at 550 nm | aod550 | ~ |
| 19 | Total aerosol optical depth at 670 nm | aod670 | ~ |
| 20 | Total aerosol optical depth at 865 nm | aod865 | ~ |
| 21 | Total aerosol optical depth at 1240 nm | aod1240 | ~ |
| 22 | Total column carbon monoxide | tcco | kgm-2 |
| 23 | Total column ethane | tc\_c2h6 | kgm-2 |
| 24 | Total column formaldehyde | tchcho | kgm-2 |
| 25 | Total column hydrogen peroxide | tc\_h2o2 | kgm-2 |
| 26 | Total column hydroxyl radical | tc\_oh | kgm-2 |
| 27 | Total column isoprene | tc\_c5h8 | kgm-2 |
| 28 | Total column methane | tc\_ch4 | kgm-2 |
| 29 | Total column nitric aci d | tc\_hno3 | kgm-2 |
| 30 | Total column nitrogen dioxide | tcno2 | kgm-2 |
| 31 | Total column nitrogen monoxide | tc\_no | kgm-2 |
| 32 | Total column ozone | gtco3 | kgm-2 |
| 33 | Total column peroxyacetyl nitrate | tc\_pan | kgm-2 |
| 34 | Total column propane | tc\_c3h8 | kgm-2 |
| 35 | Total column sulphur dioxide | tcs02 | kgm-2 |
| 36 | Total column water varpour | tcwv | kgm-2 |

Multi-level

|  |  |  |  |
| --- | --- | --- | --- |
| S.N. | Full name | Short name | Unit |
| 1 | Carbon monoxide | co | kgkg-1 |
| 2 | Dust aerosol (0.03-0.55 µm) mixing ratio | aermr04 | kgkg-1 |
| 3 | Dust aerosol (0.55-0.9 µm) mixing ratio | aermr05 | kgkg-1 |
| 4 | Dust aerosol (0.9-20 µm) mixing ratio | aermr06 | kgkg-1 |
| 5 | Ethane | c2h6 | kgkg-1 |
| 6 | Formaldehyde | hcho | kgkg-1 |
| 7 | Hydrogen peroxide | h202 | kgkg-1 |
| 8 | Hydrophilic black carbon aerosol mixing ratio | aermr09 | kgkg-1 |
| 9 | Hydrophilic organic matter aerosol mixing rario | aermr07 | kgkg-1 |
| 10 | Hydrophobic black carbon aerosol mixing ratio | aermr10 | kgkg-1 |
| 11 | Hydrophobic organic matter aerosol mixing ratio | aermr08 | kgkg-1 |
| 12 | Hydroxyl radical | oh | kgkg-1 |
| 13 | Isoprene | c5h8 | kgkg-1 |
| 14 | Nitric aci d | hno3 | kgkg-1 |
| 15 | Nitrogen dioxide | no2 | kgkg-1 |
| 16 | Nitrogen monoxide | no | kgkg-1 |
| 17 | Ozone | go3 | kgkg-1 |
| 18 | Peroxyacetyl nitrate | pan | kgkg-1 |
| 19 | Propane | c3h8 | kgkg-1 |
| 20 | Sea salt aerosol (0.03- 0.5 µm) mixing ratio | aermr01 | kgkg-1 |
| 21 | Sea salt aerosol (0.5- 5 µm) mixing ratio | aermr02 | kgkg-1 |
| 22 | Sea salt aerosol (5- 20 µm) mixing ratio | aermr03 | kgkg-1 |
| 23 | Specific humidity | q | kgkg-1 |
| 24 | Sulphate aerosol mixing ratio | aermr11 | kgkg-1 |
| 25 | Sulphur dioxide | so2 | kgkg-1 |
| 26 | Temperature | t | Kelvin |