

ERA-Interim known issues

Please see the respective links for guidance and workarounds.

1. [Surface photosynthetically active radiation \(surface PAR\) values are too low](#)
2. [Convective Available Potential Energy \(CAPE\) values are erroneously zero](#)
3. [ERA-Interim issues with cloud cover](#)
4. [Sea Surface Temperature has values over land in ERA-Interim and other ERA products](#)
5. [Anomalies at certain dates and locations](#)
6. Over oceans geopotential (and potentially derived fields too) [shows a 'spectral ripples' pattern](#).
7. It is not possible to obtain full (archived) resolution ERA-Interim data from the [point and click web interface](#). Instead you get:
 - a. For spectral data, when grid=128 is selected, automatic truncation to T213 occurs.
 - b. The option "Grid default (as archived)" gives a 0.75x0.75 lat/long grid for both spectral and grid point data, again with automatic truncation to T213 for spectral fields.
 - c. The Gaussian grids all appear to be full grids, not reduced, with no means of requesting the latter.
 - d. There is no T255 option
[\(Link to source - internal only\)](#)
8. Sunshine duration is defined in a non-standard manner which leads to underestimation of this quantity.

Related articles

- [How to download ERA-Interim data from the ECMWF data archive](#)
- [About pressure level data in high altitudes](#)
- [ECMWF Model Documentation](#)
- [Model grid box and time step](#)
- [ERA5 daily ocean waves 10m wind speed and direction renamed ocean surface stress equivalent 10m neutral wind speed and direction](#)