| name | min | fldmean | max | unit | description |
|---|---|---|---|---|---|
| psl | 945.3360 | 1001.3100 | 1019.6200 | hPa | mean sea level pressure |
| prw | 0.1094 | 20.4317 | 48.7139 | kg/m2 | vertically integrated water vapor |
| cllvi | 0.0000 | 82.2386 | 822.6550 | g/m2 | vertically integrated cloud water |
| clivi | 0.0000 | 10.4670 | 86.6499 | g/m2 | vertically integrated cloud ice |
| qgvi | 0.0000 | 0.0140 | 0.8510 | kg/m2 | total_graupel vertically integrated graupel |
| qrvi | 0.0000 | 0.0140 | 0.3889 | kg/m2 | total_rain  vertically integrated r |
| qsvi | 0.0000 | 0.0528 | 0.9338 | kg/m2 | total_snow  vertically integrated s |
| pr | 0.0000 | 3.1940 | 138.8590 | mm/d | total precipitation |
| prls | 0.0000 | 0.3105 | 73.5927 | mm/d | precip large scale snow |
| rsdt | 0.0000 | 338.2290 | 439.4220 | W/m2 | top incoming SW radiation(down) |
| rsds | 0.0000 | 194.1240 | 353.8050 | W/m2 | SW surface(down) |
| rsus | 0.0000 | 27.2168 | 278.1020 | W/m2 | SW surface(up) |
| rsut | 0.0000 | 95.9635 | 270.4090 | W/m2 | TOA Outgoing SW Radiation(up) |
| rsnt | 0.0000 | 242.2660 | 391.7880 | W/m2 | TOA net SW flux (rsdt-rsut)(down) |
| rsns | 0.0000 | 166.9070 | 317.1620 | W/m2 | Surface net SW flux ( rsds-rsus) (do |
| rlds | 63.1022 | 340.4000 | 435.5980 | W/m2 | LW down surface(down) |
| rlus | 85.9255 | 397.9130 | 536.1510 | W/m2 | LW up surface(up) |
| rlus | 85.9255 | 397.9130 | 536.1510 | W/m2 | olr(up) |
| rlns | -5.8942 | 57.5129 | 153.4650 | W/m2 | Surface net LW flux (rlus-rlds) (u |
| rtnt | -188.1690 | 3.0037 | 152.0120 | W/m2 | TOA net energy flux (rsnt-rlut)(do |
| rtns | -340.3010 | -231.0060 | 23.0554 | W/m2 | rsns-rlns(down) |
| ts | -75.8459 | 15.1538 | 38.5828 | C | surface temperature |
| sic | 0.0000 | 3.1410 | 99.9999 | % | ice cover (fraction of grid box) |
| sit | 0.0000 | 0.0560 | 10.5606 | m | ice thickness |
| tas | -69.4213 | 13.8014 | 37.3228 | C | 2 m temperature |
| uas | -13.9283 | -0.0106 | 17.9374 | m/s | zonal wind in 10m |
| vas | -13.1092 | -0.0429 | 15.9789 | m/s | meridional wind in 10m |
| sfcwind | 1.0324 | 7.0128 | 20.3287 | m/s | 10m Wind Speed |
| hfss | -200.7630 | -19.2435 | 263.3620 | W/m2 | sensible heat flux |
| hfls | -294.7530 | -86.6313 | 61.9400 | W/m2 | latent heat flux |
| tauu | -1987.5900 | 16.1191 | 4945.7300 | mN/m2 | u-stress |
| tauv | -2148.0200 | -0.1664 | 1141.0800 | mN/m2 | v-stress |
| rlus | 85.9255 | 397.9130 | 536.1510 | W/m2 | LW up surface |
| net_flux | -361.5470 | 3.5193 | 329.4950 | W/m2 | surface net energy flux |
| rlnt | -324.0620 | -239.2620 | -100.0750 | W/m2 | net top LW radiation  (-OLR) |
| rsdt | 0.0000 | 338.2290 | 439.4220 | W/m2 | top incoming SW radiation |