

Content of opendata.dwd.de/weather
10.08.2017

Deutscher Wetterdienst
Wetter und Klima aus einer Hand



| Description | Header | Issue time | Retention | Directory /opendata/weather/... | Documentation |
|--|---|------------|-----------|--|-----------------------------------|
| ICON-Global | | | | | |
| Available model runs and time steps: 00, 12 UTC: 0 to 180 h 06, 18 UTC: 0 to 120 h | | | | | |
| Grid and resolution: native triangular, ~13 km | | | | | |
| Shortwave broadband albedo for diffuse radiation | ICON_iko_single_level_elements_world_ALB_RAD_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | Model description |
| Net short-wave radiation flux at surface (average since model start) | ICON_iko_single_level_elements_world_ASQB_S_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Surface down solar diffuse radiation (average since model start) | ICON_iko_single_level_elements_world_ASWDIFD_S_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Surface up solar diffuse radiation (average since model start) | ICON_iko_single_level_elements_world_ASWDIFU_S_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Surface down solar direct radiation (average since model start) | ICON_iko_single_level_elements_world_ASWDIR_S_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| High level clouds | ICON_iko_single_level_elements_world_CLCH_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Low level clouds | ICON_iko_single_level_elements_world_CLCL_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Mid level clouds | ICON_iko_single_level_elements_world_CLCM_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Total cloud cover | ICON_iko_single_level_elements_world_CLCT_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Modified total cloud cover | ICON_iko_single_level_elements_world_CLCT_MOD_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Sea/lake ice cover (possible range: [0; 1]) | ICON_iko_single_level_elements_world_FR_ICE_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Snow depth | ICON_iko_single_level_elements_world_H_SNOW_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Surface pressure reduced to msl | ICON_iko_single_level_elements_world_PMSL_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Surface pressure (not reduced) | ICON_iko_single_level_elements_world_PS_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Convective rain (accumulated since model start) | ICON_iko_single_level_elements_world_RAIN_CON_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Large scale rain (accumulated since model start) | ICON_iko_single_level_elements_world_RAIN_GSP_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Snow density | ICON_iko_single_level_elements_world_RHO_SNOW_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Convective snowfall water equivalent (accumulated since model start) | ICON_iko_single_level_elements_world_SNOW_CON_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Large snowfall water equivalent (accumulated since model start) | ICON_iko_single_level_elements_world_SNOW_GSP_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Temperature at 2m above ground | ICON_iko_single_level_elements_world_T_2M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Temperature of the snow surface | ICON_iko_single_level_elements_world_T_SNOW_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Dew point temperature at 2m above ground | ICON_iko_single_level_elements_world_TD_2M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Maximum temperature at 2m above ground | ICON_iko_single_level_elements_world_TMAX_2M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Minimum temperature at 2m above ground | ICON_iko_single_level_elements_world_TMIN_2M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Total precipitation (accumulated since model start) | ICON_iko_single_level_elements_world_TOT_PREC_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Zonal wind at 10m above ground 0 | ICON_iko_single_level_elements_world_U_10M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Meridional wind at 10m above ground | ICON_iko_single_level_elements_world_V_10M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Maximum wind at 10m above ground | ICON_iko_single_level_elements_world_VMAX_10M_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Snow depth water equivalent | ICON_iko_single_level_elements_W_SNOW_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Weather interpretation (WMO) | ICON_iko_single_level_elements_world_WW_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Surface roughness (above land and water) | ICON_iko_single_level_elements_world_Z0_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Geopotential | ICON_iko_pressure_level_elements_world_FI_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Relative humidity (with respect to water) | ICON_iko_pressure_level_elements_world_RELHUM_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Temperature | ICON_iko_pressure_level_elements_world_T_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Zonal wind | ICON_iko_pressure_level_elements_world_U_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Meridional wind | ICON_iko_pressure_level_elements_world_V_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Temperature | ICON_iko_model_level_elements_world_T_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Zonal wind | ICON_iko_model_level_elements_world_U_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Meridional wind | ICON_iko_model_level_elements_world_V_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Soil temperature | ICON_iko_single_level_elements_world_T_SO_[modelrun].grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Land fraction (possible range [0; 1]) | ICON_iko_invar_package_world.grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Geometric height of model half levels above msl | ICON_iko_invar_package_world.grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| Geometric height of the earths surface above msl | ICON_iko_invar_package_world.grib2.bz2 | every 6 h | 48 h | /ICON/global/grib/[short_name]/ | |
| ICON-EU | | | | | |
| Available model runs and time steps: 00, 06, 12, 18 UTC: 0 to 120 h 03, 09, 15, 21 UTC: 0 to 30 h | | | | | |
| Grid and resolution: regular lat/lon, 0.0625° x 0.0625° | | | | | |
| Shortwave broadband albedo for diffuse radiation | ICON_EU_single_level_elements_ALB_RAD_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | Model description |
| Net short-wave radiation flux at surface (average since model start) | ICON_EU_single_level_elements_ASQB_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |
| Surface down solar diffuse radiation (average since model start) | ICON_EU_single_level_elements_ASWDIFD_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |
| Surface up solar diffuse radiation (average since model start) | ICON_EU_single_level_elements_ASWDIFU_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |
| Surface down solar direct radiation (average since model start) | ICON_EU_single_level_elements_ASWDIR_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |
| Convective available potential energy | ICON_EU_single_level_elements_CAPE_CON_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |
| Mixed layer CAPE | ICON_EU_single_level_elements_CAPE_ML_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |
| High level clouds | ICON_EU_single_level_elements_CLCH_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | /ICON/eu_nest/grib/[short_name]/ | |

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|---|--|-----------|------|---|
| Low level clouds | ICON_EU_single_level_elements_CLCL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Mid level clouds | ICON_EU_single_level_elements_CLCM_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Total cloud cover | ICON_EU_single_level_elements_CLCT_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Modified total cloud cover | ICON_EU_single_level_elements_CLCT_MOD_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Modified cloud depth | ICON_EU_single_level_elements_CLDEPTH_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Snow depth | ICON_EU_single_level_elements_H_SNOW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Height of convective cloud base above msl | ICON_EU_single_level_elements_HBAS_CON_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Height of 0 degree Celsius isotherm above msl | ICON_EU_single_level_elements_HZEROCL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Height of mixed layer | ICON_EU_single_level_elements_MH_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Surface pressure reduced to msl | ICON_EU_single_level_elements_PMSL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Surface pressure (not reduced) | ICON_EU_single_level_elements_PS_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Surface specific humidity | ICON_EU_single_level_elements_QV_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Convective rain (accumulated since model start) | ICON_EU_single_level_elements_RAIN_CON_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Large scale rain (accumulated since model start) | ICON_EU_single_level_elements_RAIN_GSP_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Relative humidity at 2m above ground | ICON_EU_single_level_elements_RELHUM_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Snow density | ICON_EU_single_level_elements_RHO_SNOW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Convective snowfall water equivalent (accumulated since model start) | ICON_EU_single_level_elements_SNOW_CON_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Large snowfall water equivalent (accumulated since model start) | ICON_EU_single_level_elements_SNOW_GSP_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Height of snowfall limit above MSL | ICON_EU_single_level_elements_SNOWLMT_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Temperature at 2m above ground | ICON_EU_single_level_elements_T_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Ground temperature (temperature at sfc-atm interface) | ICON_EU_single_level_elements_T_G_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Temperature of the snow surface | ICON_EU_single_level_elements_T_SNOW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Turbulent transfer coefficient for heat and moisture (surface) | ICON_EU_single_level_elements_TCH_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Turbulent transfer coefficient for momentum (surface) | ICON_EU_single_level_elements_TCM_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Dew point temperature at 2m above ground | ICON_EU_single_level_elements_TD_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Maximum temperature at 2m above ground | ICON_EU_single_level_elements_TMAX_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Minimum temperature at 2m above ground | ICON_EU_single_level_elements_TMIN_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Total precipitation (accumulated since model start) | ICON_EU_single_level_elements_TOT_PREC_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Zonal wind at 10m above ground | ICON_EU_single_level_elements_U_10M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Meridional wind at 10m above ground | ICON_EU_single_level_elements_V_10M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Maximum wind at 10m above ground | ICON_EU_single_level_elements_VMAX_10M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Snow depth water equivalent | ICON_EU_single_level_elements_W_SNOW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Weather interpretation (WMO) | ICON_EU_single_level_elements_WWV_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Surface roughness (above land and water) | ICON_EU_single_level_elements_Z0_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | ICON/eu_nest/grib/[short_name]/ |
| Vertical velocity in pressure coordinates | ICON_EU_pressure_level_elements_OMEGA_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Temperature | ICON_EU_pressure_level_elements_T_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Zonal wind | ICON_EU_pressure_level_elements_U_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Meridional wind | ICON_EU_pressure_level_elements_V_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Geopotential | ICON_EU_model_level_elements_FI_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Pressure | ICON_EU_model_level_elements_P_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Specific humidity | ICON_EU_model_level_elements_QV_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Relative humidity (with respect to water) | ICON_EU_model_level_elements_RELHUM_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Temperature | ICON_EU_model_level_elements_T_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Turbulent kinetic energy | ICON_EU_model_level_elements_TKE_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Zonal wind | ICON_EU_model_level_elements_U_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Meridional wind | ICON_EU_model_level_elements_V_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Vertical wind | ICON_EU_model_level_elements_W_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Soil temperature | ICON_EU_soil_level_elements_T_SO_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Soil moisture integrated over individual soil layers (ice/ liquid) | ICON_EU_soil_level_elements_W_SO_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Land fraction (possible range [0; 1]) | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Geometric height of model half levels above msl | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Geometric height of the earths surface above msl | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Plant cover | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Geographical latitude of regular lat-lon grid cell centers | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Geographical longitude of regular lat-lon grid cell centers | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Root depth of vegetation | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| Soil type of land fraction (9 types [1;.....; 9]) | ICON_EU_package_invar.grib2.bz2 | every 3 h | 48 h | #BEZUG! |
| COSMO-DE | | | | |
| Available model runs: 00, (03), 06, 09, 12, 15, 18, 21 UTC: 0 to 27 (45) h | | | | |
| Grid and resolution: Regular lat/lon: 0.025° x 0.025° and Original rotated grid: ~2.8 km | | | | |
| Model description | | | | |
| Shortwave broadband albedo for diffuse radiation | COSMODE_single_level_elements_ALB_RAD_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_ALB_RAD_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ |
| Net short-wave radiation flux at surface | COSMODE_single_level_elements_ASQB_S_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_ASQB_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ |
| Surface down solar diffuse radiation | COSMODE_single_level_elements_ASWDIFD_S_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_ASWDIFD_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ |
| Surface up solar diffuse radiation | COSMODE_single_level_elements_ASWDIFU_S_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_ASWDIFU_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ |

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| Surface down solar direct radiation | COSMODE_single_level_elements_ASWDIR_S_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_ASWDIR_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Mixed layer CAPE | COSMODE_single_level_elements_CAPE_ML_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CAPE_ML_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Mixed layer CIN | COSMODE_single_level_elements_CIN_ML_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CIN_ML_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| High level clouds | COSMODE_single_level_elements_CLCH_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CLCH_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Low level clouds | COSMODE_single_level_elements_CLCL_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CLCL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Mid level clouds | COSMODE_single_level_elements_CLCM_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CLCM_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Total cloud cover | COSMODE_single_level_elements_CLCT_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CLCT_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Modified total cloud cover | COSMODE_single_level_elements_CLCT_MOD_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CLCT_MOD_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Modified cloud depth | COSMODE_single_level_elements_CLDEPTH_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_CLDEPTH_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Radar reflectivity at 850 hPa | COSMODE_single_level_elements_DBZ_850_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_DBZ_850_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Maximum of radar reflectivity | COSMODE_single_level_elements_DBZ_CMAX_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_DBZ_CMAX_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Large scale soft hail | COSMODE_single_level_elements_GRAU_GSP_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_GRAU_GSP_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Snow depth | COSMODE_single_level_elements_H_SNOW_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_H_SNOW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Height of 0 degree Celsius isotherm above msl | COSMODE_single_level_elements_HZEROCL_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_HZEROCL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Height of mixed layer | COSMODE_single_level_elements_HZEROCL_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_HZEROCL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Surface pressure reduced to msl | COSMODE_single_level_elements_PMSL_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_PMSL_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Surface pressure (not reduced) | COSMODE_single_level_elements_PS_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_PS_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Surface specific humidity | COSMODE_single_level_elements_QV_S_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_QV_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Large scale rain (accumulated since model start) | COSMODE_single_level_elements_RAIN_GSP_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_RAIN_GSP_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Relative humidity at 2m above ground | COSMODE_single_level_elements_RELHUM_2M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_RELHUM_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Supercell detection index 1 (rotating up-/downdrafts) | COSMODE_single_level_elements_SDI_1_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_SDI_1_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Supercell detection index 2 (only rotating updrafts) | COSMODE_single_level_elements_SDI_2_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_SDI_2_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Large snowfall water equivalent (accumulated since model start) | COSMODE_single_level_elements_SNOW_GSP_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_SNOW_GSP_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Height of snowfall limit above MSL | COSMODE_single_level_elements_SNOWLMT_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_SNOWLMT_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Temperature at 2m above ground | COSMODE_single_level_elements_T_2M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_T_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Ground temperature (temperature at sfc-atm interface) | COSMODE_single_level_elements_T_G_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_T_G_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Maximum temperature at 2m above ground | COSMODE_single_level_elements_TMAX_2M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_TMAX_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Minimum temperature at 2m above ground | COSMODE_single_level_elements_TMIN_2M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_TMIN_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Temperature at surface | COSMODE_single_level_elements_T_S_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_T_S_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Temperature of the snow surface | COSMODE_single_level_elements_T_SNOW_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_T_SNOW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Dew point temperature at 2m above ground | COSMODE_single_level_elements_TD_2M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_TD_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Total precipitation (accumulated since model start) | COSMODE_single_level_elements_TOT_PREC_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_TOT_PREC_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Zonal wind at 10m above ground | COSMODE_single_level_elements_U_10M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_U_10M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Meridional wind at 10m above ground | COSMODE_single_level_elements_V_10M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_V_10M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Maximum wind at 10m above ground | COSMODE_single_level_elements_VMAX_10M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_VMAX_10M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Weather interpretation (WMO) | COSMODE_single_level_elements_WW_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_WW_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Surface roughness (above land and water) | COSMODE_single_level_elements_Z0_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_single_level_elements_Z0_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Relative humidity (with respect to water) | COSMODE_pressure_level_elements_RELHUM_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_pressure_level_elements_RELHUM_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Temperature | COSMODE_pressure_level_elements_T_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_pressure_level_elements_T_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Zonal wind | COSMODE_pressure_level_elements_U_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_pressure_level_elements_U_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Meridional wind | COSMODE_pressure_level_elements_V_2M_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_pressure_level_elements_V_2M_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |
| Pressure | COSMODE_model_level_elements_P_[modelrun]_[timestep].grib2.bz2 COSMODE_orq_model_level_elements_P_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/short_name/ |

| | | | | | |
|--|--|------------------|------|--|----------------------|
| Specific humidity | COSMODE_model_level_elements_QV_[modelrun]_[timestep].grib2.bz2 COSMODE_org_model_level_elements_QV_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Temperature | COSMODE_model_level_elements_T_[modelrun]_[timestep].grib2.bz2 COSMODE_org_model_level_elements_T_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Zonal wind | COSMODE_model_level_elements_U_[modelrun]_[timestep].grib2.bz2 COSMODE_org_model_level_elements_U_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Meridional wind | COSMODE_model_level_elements_V_[modelrun]_[timestep].grib2.bz2 COSMODE_org_model_level_elements_V_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Vertical wind | COSMODE_model_level_elements_W_[modelrun]_[timestep].grib2.bz2 COSMODE_org_model_level_elements_W_[modelrun]_[timestep].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Geopotential at surface | COSMODE_invariant_data_[modelrun].grib2.bz2 COSMODE_org_invariant_data_[modelrun].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Land fraction | COSMODE_invariant_data_[modelrun].grib2.bz2 COSMODE_org_invariant_data_[modelrun].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Geometric height of model half levels above msl | COSMODE_invariant_data_[modelrun].grib2.bz2 COSMODE_org_invariant_data_[modelrun].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Geometric height of the earths surface above msl | COSMODE_invariant_data_[modelrun].grib2.bz2 COSMODE_org_invariant_data_[modelrun].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Geographical latitude of regular lat-lon grid cell centers | COSMODE_invariant_data_[modelrun].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| Geographical longitude of regular lat-lon grid cell centers | COSMODE_invariant_data_[modelrun].grib2.bz2 | every 3 h | 48 h | cosmo_de/grib/[short_name]/ | |
| National radar products Germany | | | | | description |
| Radar composite | | | | | |
| Reflectivity forecast, 1km x 1km (+2h, 5-minute steps), Runlength format | FX[yyMMddhhmm]_[timestep]_MF002 | every 5 minutes | 48 h | radar/composit/fx/ | |
| Reflectivity, 2km x 2km, BUFR format, DWD radar network (460px x 460px) | PAAH21EDZW[ddhhmm].buf raa00-pg_bfr26-[yyMMddhhmm]-dwd---bufr | every 5 minutes | 48 h | radar/composit/pg/ | |
| Reflectivity, 1km x 1km, Runlength format, DWD radar network (900km x 900km) | raa01-rx_10000-[yyMMddhhmm]-dwd---bin | every 5 minutes | 48 h | radar/composit/rx/ | |
| Reflectivity, 1km x 1km, Runlength format, DWD radar network (1000km x 1100km) | raa01-wx_10000-[yyMMddhhmm]-dwd---bin | every 5 minutes | 48 h | radar/composit/wx/ | |
| Radar Mesocyclones detection | | | | | |
| Mesocyclones detection, xml format | meso_[yyMMdd]_[hhmm].xml | every 5 minutes | 48 h | radar/mesocyclones/ | |
| RADOLAN | | | | | |
| Adjusted 1h total precipitation [mm/h] (Radolan), 1km x 1km, Runlength format | raa01-rw_10000-[yyMMddhhmm]-dwd---bin | hourly | 48 h | radar/radolan/rw/ | |
| Adjusted 24h total precipitation [mm/d] (Radolan), 1km x 1km, Runlength format | raa01-sf_10000-[yyMMddhhmm]-dwd---bin | hourly | 48 h | radar/radolan/sf/ | |
| Radar products from the 17 German radar sites | | | | | |
| | Boostedt (boo), Dresden (drs), Eisberg (eis), emden (emd), Essen (ess), Feldberg (fbg), Flechtforf (fld), Hannover (hnr), Neuhaus (neu), Neuheilenbach (nhb), Offenthal (oft), Prötzel (pro), Memmingen (mem), Rostock (ros), Isen (isn), Türkheim (tur), Ummendorf (umd) | | 48 h | | |
| Reflectivity, precipitation scan, 1km x 1km, Runlength format | raa00-dx_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin | every 5 minutes | 48 h | radar/sites/dx/ | |
| Reflectivity, 2km x 2km, BUFR format | rab02-lm_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/lmax/ | |
| Echo top product, 1km x 1km, Runlength and BUFR format | raa00-pe_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin rab02-pe_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/pe/ | |
| Reflectivity, precipitation scan, 1km x 1km, Runlength format | raa00-pf_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin | every 5 minutes | 48 h | radar/sites/pf/ | |
| Reflectivity, 2km x 2km, Runlength and BUFR format | raa00-pl_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin rab02-pl_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/pl/ | |
| Reflectivity, radial velocity, 1km x 1km, Runlength and BUFR format | raa00-pr_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin rab02-pr_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/pr/ | |
| Reflectivity, precipitation scan, 1km x 1km, Runlength and BUFR format | raa00-px_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin rab02-px_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/px/ | |
| Reflectivity, precipitation scan, 250m x 250m, BUFR format | rab02-tt_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/px250/ | |
| Reflectivity CAPPI, 2km x 2km, Runlength and BUFR format | raa00-pz_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---bin rab02-pz_[wmo-id]_[yyMMddhhmm]-[radarsite_short_name]---buf | every 5 minutes | 48 h | radar/sites/pz/ | |
| Reflectivity sweep, precipitation scan, 1° x 1km, BUFR format | sweep_pcp_v_0-[yyyyMMddhhmmss]_[wmo-id]-buf.bz2 | every 5 minutes | 48 h | radar/sites/sweep_pcp_v/ | |
| Reflectivity sweep, precipitation scan, 1° x 1km, BUFR format | sweep_pcp_z_0-[yyyyMMddhhmmss]_[wmo-id]-buf.bz2 | every 5 minutes | 48 h | radar/sites/sweep_pcp_z/ | |
| Reflectivity sweep, 1° x 1km, BUFR format | sweep_vol_v_[elevation_index(0-9)]-[yyyyMMddhhmmss]_[wmo-id]-buf.bz2 | every 5 minutes | 48 h | radar/sites/sweep_vol_v/ | |
| Reflectivity sweep, 1° x 1km, BUFR format | sweep_vol_z_[elevation_index(0-9)]-[yyyyMMddhhmmss]_[wmo-id]-buf.bz2 | every 5 minutes | 48 h | radar/sites/sweep_vol_z/ | |
| Data from instruments embedded in the road surface to detect slippery conditions (Road Weather stations (SWS)). SH10 and/or BUFR Code. | | | | | use of data |
| Saxony (data centre Dresden) | YSH_DD[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/DD/ | list of sws-stations |
| extra: Dresden airport | YSH_DF[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/DF/ | |
| extra: Leipzig airfield | YSH_LF[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/LF/ | |
| Thuringia (data centre Erfurt) [BUFR] | swis2-ISXD70_DWER_[ddhhmm]-[yyMMddhhmm]-TH---bin | every 15 minutes | 48 h | /weather reports/road weather stations/ER/ | |
| Bavaria (data centre Freiman: highways) | YSH_FN[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/FN/ | |
| Bavaria (secondary roads) [BUFR] | swis2-ISXD70_DWNB_[ddhhmm]-[yyMMddhhmm]-NB---bin | every 15 minutes | 48 h | /weather reports/road weather stations/FN/ | |
| Saxony-Anhalt (data centre Halle) | YSH_HL[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/HL/ | |
| Saxony-Anhalt (data centre Halle) [BUFR] | swis2-ISXD70_DWHL_[ddhhmm]-[yyMMddhhmm]-ST---bin | every 15 minutes | 48 h | /weather reports/road weather stations/HL/ | |
| Hamburg (data centre Hamburg) [BUFR] | swis2-ISXD70_DWHS_[ddhhmm]-[yyMMddhhmm]-HH---bin | every 15 minutes | 48 h | /weather reports/road weather stations/HS/ | |
| Hamburg (Stadtreinigung Hamburg) [BUFR] | swis2-ISXD70_DWKK_[ddhhmm]-[yyMMddhhmm]-HH---bin | every 15 minutes | 48 h | /weather reports/road weather stations/HJ/ | |
| Lower Saxony (data centre Hannover) [BUFR] | swis2-ISXD70_DWHV_[ddhhmm]-[yyMMddhhmm]-NI---bin | every 15 minutes | 48 h | /weather reports/road weather stations/HV/ | |
| Schleswig-Holstein (data centre Kiel/Neumünster) [BUFR] | swis2-ISXD70_DWKK_[ddhhmm]-[yyMMddhhmm]-SH---bin | every 15 minutes | 48 h | /weather reports/road weather stations/KK/ | |
| Northrhine-Westphalia (data centre Kamen) [BUFR] | swis2-ISXD70_DWKM_[ddhhmm]-[yyMMddhhmm]-NW---bin | every 15 minutes | 48 h | /weather reports/road weather stations/KM/ | |
| Rhineland-Palatinate (data centre Koblenz) | YSH_KO[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/KO/ | |
| Baden-Württemberg (data centre Ludwigsburg) [BUFR] | swis2-ISXD70_DWLW_[ddhhmm]-[yyMMddhhmm]-BW---bin | every 15 minutes | 48 h | /weather reports/road weather stations/LW/ | |
| extra: Stuttgart airport | YSH_SF[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/SF/ | |
| Mecklenburg-Western Pomerania (data centre Malchow) | YSH_MC[ddhhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/MC/ | |
| Mecklenburg-Western Pomerania (data centre Malchow) [BUFR] | swis2-ISXD70_DWMC_[ddhhmm]-[yyMMddhhmm]-MV---bin | every 15 minutes | 48 h | /weather reports/road weather stations/MC/ | |

| | | | | | |
|---|---|---------------------|------------------------------|--|-----------------------------------|
| Saarland (data centre Rohrbach) | YSH_RB[ddhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/RB/ | |
| Hesse (data centre Rüsselsheim) [BUFR] | swis2-ISXD70_DWRH_[ddhmm]-[yyMMddhmm]-HE---bin | every 15 minutes | 48 h | /weather reports/road weather stations/RH/ | |
| Brandenburg (data centre Stolpe) | YSH_SP[ddhmm] | every 15 minutes | 48 h | /weather reports/road weather stations/SP/ | |
| Public alerting service | | | | | |
| weather report in terms of the warning situation for the next 24 hours until the next working day (only issued before weekends or a public holiday) | | | | | |
| Warning status for Germany as union of referenced community warnings; cell-based actualisation strategy; status differences only | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ DIFFERENCE_PREMIUMCELLS_COMMUNEUNION_[LANGUAGE] | as required | only the most recent version | /alerts/cap/COMMUNEUNION_CELLS_DIFF/ | description cap |
| Warning status for Germany as union of referenced community warnings; cell-based actualisation strategy; full status | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ STATUS_PREMIUMCELLS_COMMUNEUNION_[LANGUAGE] | as required | only the most recent version | /alerts/cap/COMMUNEUNION_CELLS_STAT/ | profile changes |
| Warning status for Germany as union of referenced community warnings; cell-based actualisation strategy incl. special all-clear messages; status diff. only | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ DIFFERENCE_PREMIUMDWD_COMMUNEUNION_[LANGUAGE] | as required | only the most recent version | /alerts/cap/COMMUNEUNION_DWD_DIFF/ | |
| Warning status for Germany as union of referenced community warnings; cell-based actualisation strategy incl. special all-clear messages; full status | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ STATUS_PREMIUMDWD_COMMUNEUNION_[LANGUAGE] | as required | only the most recent version | /alerts/cap/COMMUNEUNION_DWD_STAT/ | |
| Warning status for Germany as union of referenced community warnings; event-based actualisation strategy incl. special all-clear messages; status diff. only | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ DIFFERENCE_PREMIUMEVENT_COMMUNEUNION_[LANGUAGE] | as required | only the most recent version | /alerts/cap/COMMUNEUNION_EVENT_DIFF/ | |
| Warning status for Germany as union of referenced community warnings; event-based actualisation strategy incl. special all-clear messages; full status | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ STATUS_PREMIUMEVENT_COMMUNEUNION_[LANGUAGE] | as required | only the most recent version | /alerts/cap/COMMUNEUNION_EVENT_STAT/ | |
| Warning status for Germany as referenced district warnings; cell-based actualisation strategy; status differences only | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ DIFFERENCE_PREMIUMCELLS_DISTRICT_[LANGUAGE] | as required | only the most recent version | /alerts/cap/DISTRICT_CELLS_DIFF/ | |
| Warning status for Germany as referenced district warnings; cell-based actualisation strategy; full status | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ STATUS_PREMIUMCELLS_DISTRICT_[LANGUAGE] | as required | only the most recent version | /alerts/cap/DISTRICT_CELLS_STAT/ | |
| Warning status for Germany as referenced district warnings; cell-based actualisation strategy incl. special all-clear messages; status differences only | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ DIFFERENCE_PREMIUMDWD_DISTRICT_[LANGUAGE] | as required | only the most recent version | /alerts/cap/DISTRICT_DWD_DIFF/ | |
| Warning status for Germany as referenced district warnings; cell-based actualisation strategy incl. special all-clear messages; full status | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ STATUS_PREMIUMDWD_DISTRICT_[LANGUAGE] | as required | only the most recent version | /alerts/cap/DISTRICT_DWD_STAT/ | |
| Warning status for Germany as referenced district warnings; event-based actualisation strategy incl. special all-clear messages; status differences only | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ DIFFERENCE_PREMIUMEVENT_DISTRICT_[LANGUAGE] | as required | only the most recent version | /alerts/cap/DISTRICT_EVENT_DIFF/ | |
| Warning status for Germany as referenced district warnings; event-based actualisation strategy incl. special all-clear messages; full status | Z_CAP_C_EDZW_[YYYYMMDDHHMMSS]_PVW_ STATUS_PREMIUMEVENT_DISTRICT_[LANGUAGE] | as required | only the most recent version | /alerts/cap/DISTRICT_EVENT_STAT/ | |
| Public alerting service: weather report in terms of the warning situation for the next 24 hours / until the next working day (only issued before weekends or a public holiday) | | | | | |
| Northrhine-Westphalia | VHDL[30/31]_DWEH_[ddhmm] | several times a day | 48 h | /alerts/txt/EM/ | |
| Schleswig-Holstein and Hamburg | VHDL[30/31]_DWHH_[ddhmm] | several times a day | 48 h | /alerts/txt/HA/ | |
| Lower Saxony and Bremen | VHDL[30/31]_DWHG_[ddhmm] | several times a day | 48 h | /alerts/txt/HA/ | |
| Saxony | VHDL[30/31]_DWLG_[ddhmm] | several times a day | 48 h | /alerts/txt/LZ/ | |
| Saxony-Anhalt | VHDL[30/31]_DWLH_[ddhmm] | several times a day | 48 h | /alerts/txt/LZ/ | |
| Thuringia | VHDL[30/31]_DWLI_[ddhmm] | several times a day | 48 h | /alerts/txt/LZ/ | |
| Bavaria | VHDL[30/31]_DWMG_[ddhmm] | several times a day | 48 h | /alerts/txt/MS/ | |
| Hesse | VHDL[30/31]_DWOH_[ddhmm] | several times a day | 48 h | /alerts/txt/OF/ | |
| Rhineland-Palatinate and Saarland | VHDL[30/31]_DWOI_[ddhmm] | several times a day | 48 h | /alerts/txt/OF/ | |
| Brandenburg und Berlin | VHDL[30/31]_DWPG_[ddhmm] | several times a day | 48 h | /alerts/txt/PD/ | |
| Mecklenburg-Western Pomerania | VHDL[30/31]_DWPH_[ddhmm] | several times a day | 48 h | /alerts/txt/PD/ | |
| Baden-Württemberg | VHDL[30/31]_DWSG_[ddhmm] | several times a day | 48 h | /alerts/txt/SU/ | |
| Germany | VHDL30_DWOG_[ddhmm] | several times a day | 48 h | /alerts/txt/GER/ | |
| Public alerting service: weather warnings (HW), preliminary information (HP) and severe weather warnings (HU) for each county (SMS files) | | | | | |
| Northrhine-Westphalia | [HW/HP/HU]EM[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/EM/ | |
| Bremen, Hamburg, Lower Saxony, Schleswig-Holstein | [HW/HP/HU]HA[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/HA/ | |
| Saxony-Anhalt, Saxony, Thuringia | [HW/HP/HU]LZ[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/LZ/ | |
| Bavaria | [HW/HP/HU]MS[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/MS/ | |
| Hesse, Rhineland-Palatinate and Saarland | [HW/HP/HU]OF[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/OF/ | |
| Berlin, Brandenburg, Mecklenburg-Western Pomerania | [HW/HP/HU]PD[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/PD/ | |
| Baden-Württemberg | [HW/HP/HU]SU[event]_[event][altitude]_[ddhmm] | several times a day | 48 h | /alerts/sms/SU/ | |
| Public alerting service: weather warnings (WW), preliminary information (WP) and severe weather warnings (WU) for each county | | | | | |
| Northrhine-Westphalia | [WW/WP/WU]EM[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/EM/ | |
| Bremen, Hamburg, Lower Saxony, Schleswig-Holstein | [WW/WP/WU]HA[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/HA/ | |
| Saxony-Anhalt, Saxony, Thuringia | [WW/WP/WU]LZ[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/LZ/ | |
| Bavaria | [WW/WP/WU]MS[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/MS/ | |
| Hesse, Rhineland-Palatinate and Saarland | [WW/WP/WU]OF[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/OF/ | |
| Berlin, Brandenburg, Mecklenburg-Western Pomerania | [WW/WP/WU]PD[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/PD/ | |
| Baden-Württemberg | [WW/WP/WU]SU[event]_[county][altitude]_[ddhmm] | several times a day | 48 h | /alerts/txt/SU/ | |
| Public alerting service: media information | | | | | |
| Overview issued in the case of widespread (supraregional) severe weather warnings | WUDL99_DWOF_[ddhmm] | several times a day | 48 h | /alerts/txt/GER/ | |
| Weather hazards: 1 week outlook for Germany | | | | | |
| Significant weather events, which are expected to occur widespread or long lasting | VHDL35_DWOG_[ddhmm] | several times a day | 48 h | /alerts/txt/GER/ | |
| Point Forecasts and Statistically optimised weather forecasts (MOSMIX) | | | | | |
| Individual stations of local forecasts of WMO, national and interpolated stations | [station_ID] - MOSMIX.csv | once a day | only the most recent version | /local_forecasts/poi/ | station catalogue |
| Total lists of local forecasts of WMO, national and interpolated stations | o_gmosw_[Forecasthorizon]_[steps][DD][Vorhersage].gz | every 12 hours | 48 h | /local_forecasts/mos/ | station catalogue |
| Point observations | | | | | |
| Individual stations of local observations of WMO, national and interpolated stations | [station_ID] - BEOB.csv | every 3 hours | only the most recent version | /weather_reports/poi/ | station catalogue |

| Synoptic reports (Germany and foreign national weather services) | | | | | description |
|---|--|---------------------|------|--|-------------|
| German synoptic reports from DWD (main station network, secondary station network, precipitation network) and the measuring network of Bundeswehr Geoinformation Service. SYNOP data container (BUFR) | Z__C_EDZW_[yyyyMMdhmmss]_bda01,synop_bufr_GER_999999_999999_MW_[lfd].bin | several times a day | 48 h | /weather reports/synoptic reports/germany/ | |
| Synoptic reports of foreign national weather services. SYNOP data container (BUFR). | Z__C_EDZW_[yyyyMMdhmmss]_bda01,synop_bufr_999999_999999_MW_[lfd].bin | several times a day | 48 h | /weather reports/synoptic reports/international/ | |

Legend

several times a day: see tab "Warnlagebericht"

[yyyyMMdhmmss]: yyyy=year, MM=month, dd=day, hh=hour, mm=minute, ss=second

[lfd]: Sequential number

[VVV]: Forecast step in hours

[lllii]: Station identifier

[office]: DWMS: Munich, DWSU: Stuttgart, DWOFF: Offenbach; DWEM: Essen, DWLZ: Leipzig, DWPD: Potsdam, DWHA: Hamburg

UTC: Universal time coordinated

GZ: Local time

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Source of geospatial data: survey authorities and BKG (<http://www.bkg.bund.de>)

Access

Free of charge via <https://www.dwd.de/opendata/>