

***** FILE: test_new_levelType_17_and_18.grb

#===== MESSAGE 1 (length=191) =====

1-4 identifier = GRIB
5-6 reserved = MISSING
7 discipline = 0 [Meteorological products (grib2/tables/19/0.0.table)]
8 editionNumber = 2
9-16 totalLength = 191

===== SECTION_1 (length=21, padding=0) =====

1-4 section1Length = 21
5 numberOfSection = 1
6-7 centre = 78 [Offenbach (RSMC) (common/c-11.table)]
8-9 subCentre = 255
10 tablesVersion = 19 [Version implemented on 3 May 2017 (grib2/tables/1.0.table)]
11 localTablesVersion = 1 [DWD local entries from the current Master table are used (grib2/tables/local/edzw/1.1.table)]
12 significanceOfReferenceTime = 1 [Start of forecast (grib2/tables/19/1.2.table)]
13-14 year = 2020
15 month = 6
16 day = 10
17 hour = 12
18 minute = 0
19 second = 0
20 productionStatusOfProcessedData = 0 [Operational products (grib2/tables/19/1.3.table)]
21 typeOfProcessedData = 1 [Forecast products (grib2/tables/19/1.4.table , grib2/tables/local/edzw/1/1.4.table)]

===== SECTION_3 (length=84, padding=0) =====

1-4 section3Length = 84
5 numberOfSection = 3
6 sourceOfGridDefinition = 0 [Specified in Code table 3.1 (grib2/tables/19/3.0.table)]
7-10 numberOfDataPoints = 466116
11 numberOfOctectsForNumberOfPoints = 0
12 interpretationOfNumberOfPoints = 0 [There is no appended list (grib2/tables/19/3.11.table)]
13-14 gridDefinitionTemplateNumber = 1 [Rotated latitude/longitude (grib2/tables/19/3.1.table)]
15 shapeOfTheEarth = 6 [Earth assumed spherical with radius of 6 371 229.0 m (grib2/tables/19/3.2.table)]
16 scaleFactorOfRadiusOfSphericalEarth = MISSING
17-20 scaledValueOfRadiusOfSphericalEarth = MISSING
21 scaleFactorOfEarthMajorAxis = MISSING
22-25 scaledValueOfEarthMajorAxis = MISSING
26 scaleFactorOfEarthMinorAxis = MISSING
27-30 scaledValueOfEarthMinorAxis = MISSING
31-34 Ni = 651
35-38 Nj = 716
39-42 basicAngleOfTheInitialProductionDomain = 0
43-46 subdivisionsOfBasicAngle = MISSING
47-50 latitudeOfFirstGridPoint = -6300000
51-54 longitudeOfFirstGridPoint = 352500000
55 resolutionAndComponentFlags = 56 [00111000]
56-59 latitudeOfLastGridPoint = 7999999
60-63 longitudeOfLastGridPoint = 5500000
64-67 iDirectionIncrement = 20000
68-71 jDirectionIncrement = 20000
72 scanningMode = 64 [01000000]
73-76 latitudeOfSouthernPole = -40000000
77-80 longitudeOfSouthernPole = 10000000
81-84 angleOfRotation = 0

===== SECTION_4 (length=34, padding=0) =====

```
1-4      section4Length = 34
5        numberOfSection = 4
6-7      NV = 0
8-9      productDefinitionTemplateNumber = 0 [Analysis or forecast at a horizontal level or in a horizontal layer at a point in time (grib2/tables/
19/4.0.table , grib2/tables/local/edzw/1/4.0.table) ]
10       parameterCategory = 7 [Thermodynamic stability indices (grib2/tables/19/4.1.0.table , grib2/tables/local/edzw/1/4.1.0.table) ]
11       parameterNumber = 6 [Convective available potential energy (J/kg) (grib2/tables/19/4.2.0.7.table , grib2/tables/local/edzw/
1/4.2.0.7.table) ]
12       typeOfGeneratingProcess = 203 [nudgecast (grib2/tables/19/4.3.table , grib2/tables/local/edzw/1/4.3.table) ]
13       backgroundProcess = 0 [main run (grib2/tables/local/edzw/1/backgroundProcess.table) ]
14       generatingProcessIdentifier = 139 [cd2 (grib2/tables/local/edzw/1/generatingProcessIdentifier.table) ]
15-16    hoursAfterDataCutoff = MISSING
17       minutesAfterDataCutoff = MISSING
18       indicatorOfUnitOfTimeRange = 1 [Hour (grib2/tables/19/4.4.table) ]
19-22    forecastTime = 0
23       typeOfFirstFixedSurface = 18 [Departure level of a mixed layer parcel of air with specified layer depth (Pa) (grib2/tables/19/4.5.table ,
grib2/tables/local/edzw/1/4.5.table) ]
24       scaleFactorOfFirstFixedSurface = 0
25-28    scaledValueOfFirstFixedSurface = 5000
29       typeOfSecondFixedSurface = 255 [Missing (grib2/tables/19/4.5.table , grib2/tables/local/edzw/1/4.5.table) ]
30       scaleFactorOfSecondFixedSurface = MISSING
31-34    scaledValueOfSecondFixedSurface = MISSING
===== SECTION_5 ( length=21, padding=0 ) =====
1-4      section5Length = 21
5        numberOfSection = 5
6-9      numberOfValues = 466116
10-11    dataRepresentationTemplateNumber = 0 [Grid point data - simple packing (grib2/tables/19/5.0.table) ]
12-15    referenceValue = 1
16-17    binaryScaleFactor = -5
18-19    decimalScaleFactor = 0
20       bitsPerValue = 0
21       typeOfOriginalFieldValues = 0 [Floating point (grib2/tables/19/5.1.table) ]
===== SECTION_6 ( length=6, padding=0 ) =====
1-4      section6Length = 6
5        numberOfSection = 6
6        bitMapIndicator = 255 [A bit map does not apply to this product (grib2/tables/19/6.0.table) ]
===== SECTION_7 ( length=5, padding=0 ) =====
1-4      section7Length = 5
5        numberOfSection = 7
===== SECTION_8 ( length=4, padding=0 ) =====
1-4      7777 = 7777
#===== MESSAGE 2 ( length=191 ) =====
1-4      identifier = GRIB
5-6      reserved = MISSING
7        discipline = 0 [Meteorological products (grib2/tables/19/0.0.table) ]
8        editionNumber = 2
9-16     totalLength = 191
===== SECTION_1 ( length=21, padding=0 ) =====
1-4      section1Length = 21
5        numberOfSection = 1
6-7      centre = 78 [Offenbach (RSMC) (common/c-11.table) ]
8-9      subCentre = 255
10       tablesVersion = 19 [Version implemented on 3 May 2017 (grib2/tables/1.0.table) ]
11       localTablesVersion = 1 [DWD local entries from the current Master table are used (grib2/tables/local/edzw/1.1.table) ]
```

```

12      significanceOfReferenceTime = 1 [Start of forecast (grib2/tables/19/1.2.table) ]
13-14   year = 2020
15      month = 6
16      day = 10
17      hour = 12
18      minute = 0
19      second = 0
20      productionStatusOfProcessedData = 0 [Operational products (grib2/tables/19/1.3.table) ]
21      typeOfProcessedData = 1 [Forecast products (grib2/tables/19/1.4.table , grib2/tables/local/edzw/1/1.4.table) ]
===== SECTION_3 ( length=84, padding=0 ) =====
1-4     section3Length = 84
5       numberOfSection = 3
6       sourceOfGridDefinition = 0 [Specified in Code table 3.1 (grib2/tables/19/3.0.table) ]
7-10    numberOfDataPoints = 466116
11      numberOfOctectsForNumberOfPoints = 0
12      interpretationOfNumberOfPoints = 0 [There is no appended list (grib2/tables/19/3.11.table) ]
13-14   gridDefinitionTemplateNumber = 1 [Rotated latitude/longitude (grib2/tables/19/3.1.table) ]
15      shapeOfTheEarth = 6 [Earth assumed spherical with radius of 6 371 229.0 m (grib2/tables/19/3.2.table) ]
16      scaleFactorOfRadiusOfSphericalEarth = MISSING
17-20   scaledValueOfRadiusOfSphericalEarth = MISSING
21      scaleFactorOfEarthMajorAxis = MISSING
22-25   scaledValueOfEarthMajorAxis = MISSING
26      scaleFactorOfEarthMinorAxis = MISSING
27-30   scaledValueOfEarthMinorAxis = MISSING
31-34   Ni = 651
35-38   Nj = 716
39-42   basicAngleOfTheInitialProductionDomain = 0
43-46   subdivisionsOfBasicAngle = MISSING
47-50   latitudeOfFirstGridPoint = -6300000
51-54   longitudeOfFirstGridPoint = 352500000
55      resolutionAndComponentFlags = 56 [00111000]
56-59   latitudeOfLastGridPoint = 7999999
60-63   longitudeOfLastGridPoint = 55000000
64-67   iDirectionIncrement = 20000
68-71   jDirectionIncrement = 20000
72      scanningMode = 64 [01000000]
73-76   latitudeOfSouthernPole = -40000000
77-80   longitudeOfSouthernPole = 100000000
81-84   angleOfRotation = 0
===== SECTION_4 ( length=34, padding=0 ) =====
1-4     section4Length = 34
5       numberOfSection = 4
6-7     NV = 0
8-9     productDefinitionTemplateNumber = 0 [Analysis or forecast at a horizontal level or in a horizontal layer at a point in time (grib2/tables/
19/4.0.table , grib2/tables/local/edzw/1/4.0.table) ]
10      parameterCategory = 7 [Thermodynamic stability indices (grib2/tables/19/4.1.0.table , grib2/tables/local/edzw/1/4.1.0.table) ]
11      parameterNumber = 7 [Convective inhibition (J/kg) (grib2/tables/19/4.2.0.7.table , grib2/tables/local/edzw/1/4.2.0.7.table) ]
12      typeOfGeneratingProcess = 203 [nudgcast (grib2/tables/19/4.3.table , grib2/tables/local/edzw/1/4.3.table) ]
13      backgroundProcess = 0 [main run (grib2/tables/local/edzw/1/backgroundProcess.table) ]
14      generatingProcessIdentifier = 139 [cd2 (grib2/tables/local/edzw/1/generatingProcessIdentifier.table) ]
15-16   hoursAfterDataCutoff = MISSING
17      minutesAfterDataCutoff = MISSING
18      indicatorOfUnitOfTimeRange = 1 [Hour (grib2/tables/19/4.4.table) ]
19-22   forecastTime = 0

```

```
23     typeOfFirstFixedSurface = 17 [Departure level of the most unstable parcel of air (-) (grib2/tables/19/4.5.table , grib2/tables/local/edzw/
1/4.5.table) ]
24     scaleFactorOfFirstFixedSurface = MISSING
25-28    scaledValueOfFirstFixedSurface = MISSING
29     typeOfSecondFixedSurface = 255 [Missing (grib2/tables/19/4.5.table , grib2/tables/local/edzw/1/4.5.table) ]
30     scaleFactorOfSecondFixedSurface = MISSING
31-34    scaledValueOfSecondFixedSurface = MISSING
===== SECTION_5 ( length=21, padding=0 ) =====
1-4     section5Length = 21
5       numberOfSection = 5
6-9     numberOfValues = 466116
10-11   dataRepresentationTemplateNumber = 0 [Grid point data - simple packing (grib2/tables/19/5.0.table) ]
12-15   referenceValue = 2
16-17   binaryScaleFactor = -5
18-19   decimalScaleFactor = 0
20      bitsPerValue = 0
21      typeOfOriginalFieldValues = 0 [Floating point (grib2/tables/19/5.1.table) ]
===== SECTION_6 ( length=6, padding=0 ) =====
1-4     section6Length = 6
5       numberOfSection = 6
6       bitMapIndicator = 255 [A bit map does not apply to this product (grib2/tables/19/6.0.table) ]
===== SECTION_7 ( length=5, padding=0 ) =====
1-4     section7Length = 5
5       numberOfSection = 7
===== SECTION_8 ( length=4, padding=0 ) =====
1-4     7777 = 7777
```