

# Monitoring Maps

 user login required to visualize maps

The maps linked in this page are produced with a statistics of the last 7 days of data acquired at ECMWF by the SAPP (Scalable Acquisition and Pre-Processing) system. The aim is to provide a detailed picture of the observations data coverage and issues in terms of data format to give a view from the NWP perspective of the status of the TAC to BUFR migration.

All the maps are interactive and extra information on the specific station is shown by hovering on the markers.

## SYNOP Coverage

| marker color                                                                      | description        |
|-----------------------------------------------------------------------------------|--------------------|
|  | TAC only           |
|  | BUFR only          |
|  | Dual: BUFR and TAC |

## TEMP Coverage

### TEMP Descent Coverage

| marker color                                                                        | description                                    |
|-------------------------------------------------------------------------------------|------------------------------------------------|
|   | TAC only                                       |
|  | BUFR only, high resolution and drift           |
|  | BUFR only, low resolution and drift            |
|  | BUFR only, no drift (reformatted TAC)          |
|  | Dual: BUFR and TAC, high resolution and drift  |
|  | Dual: BUFR and TAC, low resolution and drift   |
|  | Dual: BUFR and TAC, no drift (reformatted TAC) |

## SYNOP Issues

### TEMP Issues

| marker color                                                                        | description                                  |
|-------------------------------------------------------------------------------------|----------------------------------------------|
|  | BUFR/TAC positions different ( > 0.1 degree) |
|  | WMO id not in Vol A Catalogue                |

|                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  | Silent, no report received in the last 7 days (but at least once in the last year) |
|  | BUFR observations/day < 60% TAC observations/day                                   |

#### SYNOP BUFR Frequency

#### SYNOP TAC Frequency

| marker color                                                                      | description                 |
|-----------------------------------------------------------------------------------|-----------------------------|
|  | 24 observations/day         |
|  | 8 to 23 observations/day    |
|  | 4 to 7 observations/day     |
|  | 2 to 3 observations/day     |
|  | 1 to 2 observations/day     |
|  | less than 1 observation/day |

#### TEMP BUFR Frequency

#### TEMP TAC Frequency

| marker color                                                                        | description                 |
|-------------------------------------------------------------------------------------|-----------------------------|
|  | >=4 observations/day        |
|  | 2 to 3 observations/day     |
|  | 1 observation/day           |
|  | less than 1 observation/day |

#### SYNOP BUFR Timeliness

#### SYNOP TAC Timeliness

| marker color                                                                        | description            |
|-------------------------------------------------------------------------------------|------------------------|
|  | 0 to 10 minutes delay  |
|  | 11 to 20 minutes delay |

|                                                                                   |                        |
|-----------------------------------------------------------------------------------|------------------------|
|  | 21 to 30 minutes delay |
|  | 31 to 60 minutes delay |
|  | > 61 minutes delay     |

#### TEMP BUFR Timeliness

#### TEMP TAC Timeliness

| marker color                                                                      | description             |
|-----------------------------------------------------------------------------------|-------------------------|
|  | 0 to 30 minutes delay   |
|  | 31 to 60 minutes delay  |
|  | 61 to 90 minutes delay  |
|  | 91 to 120 minutes delay |
|  | > 121 minutes delay     |