

Land-surface observations

The screenshot shows the 'Availability' section of the WIGOS web tool. It features a search bar with filters for 'Type of period' (Daily), 'Monitoring category' (Availability), 'Variable' (Surface press), and 'Monitoring Centre' (All). A date range of 2020-01-20 is selected. Below the search bar is a world map with a legend indicating various data quality and availability statuses. A pop-up window for station LA MOLINA (WIGOS-ID: 0-024-0-0000000000117) displays a time-series plot of surface pressure from 2020-01-10 to 2020-01-20.

WDQMS web tool landing page

The landing page for the WIGOS Data Quality Monitoring System (WDQMS) features a header with the WMO and ECMWF logos. The main content includes a welcome message: 'Welcome to the WIGOS Data Quality Monitoring System (WDQMS) webtool. The WDQMS webtool is a resource developed by WMO to monitor the performance of all WIGOS observing components. For more information about the webtool, click here. The NWP-based monitoring is currently available for:'. Below this, there are two map thumbnails: 'Surface land observations Availability & Quality' and 'Upper-air observations Availability & Quality'. At the bottom, there is a grid of data points for different monitoring centers (DWD, ECMWF, JMA, NCEP) across various dates from 2020-03-04 to 2020-03-08, represented by green dots.

Upper-air land observations

The screenshot shows the 'Availability & Completeness' section of the WIGOS web tool. It has the same search filters as the 'Availability' section but with 'Monitoring category' set to 'Availability & Completeness' and 'Date' set to 2020-02-05. A world map displays data points with a legend for 'No issue', 'Completeness issue', 'Availability issue', 'Not received in period', and 'No match in OSCAR/Surface'. A pop-up window for station MAZONG SHAN (WIGOS-ID: 0-20000-0-52323) shows 'Completeness: Partial (missing variable)', '#Received: 2', and '#Expected: 2'. A legend for 'Root Mean Square Error (RMSE)' is also visible at the bottom left.

The screenshot shows the 'Quality' section of the WIGOS web tool. The search filters are 'Type of period' (Daily), 'Monitoring category' (Quality), 'Variable' (Surface press), and 'Monitoring Centre' (All). A world map displays data points with a legend for 'Absolute values (DPd)'. A pop-up window for station WARTH (WIGOS-ID: 0-20000-0-11308) shows quality metrics: 'RMSE: 0.237', 'RMSEF: 0.285', 'RMSE: 0.29', and 'RMSEF: 0.317'. A legend for 'Absolute values (DPd)' is also visible at the bottom left.

The screenshot shows the 'Quality' section of the WIGOS web tool for upper-air observations. The search filters are 'Type of period' (Daily), 'Monitoring category' (Quality), 'Variable' (Upper air temp), and 'Monitoring Centre' (All). A world map displays data points with a legend for 'Root Mean Square Error (RMSE)'. A pop-up window for station WARTH (WIGOS-ID: 0-20000-0-11308) shows quality metrics for 'Daily average (RMSE)'. A legend for 'Root Mean Square Error (RMSE)' is also visible at the bottom left.

The screenshot shows the 'Quality' section of the WIGOS web tool for upper-air observations. The search filters are 'Type of period' (Daily), 'Monitoring category' (Quality), 'Variable' (Upper air temp), and 'Monitoring Centre' (All). A world map displays data points with a legend for 'Root Mean Square Error (RMSE)'. A legend for 'Root Mean Square Error (RMSE)' is also visible at the bottom left.