

Interactive comment on “Rescue and quality control of sub-daily meteorological data collected at Montevergine Observatory (Southern Apennines), 1884–1963” by Vincenzo Capozzi et al.

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The article is well structured. Methods and materials are well characterized and clearly describe the data set. Formal metadata are appropriate. The quality control procedures adopted are well described and ensure the high data quality. On the whole, the article is good, original and useful, appropriate to supporting the publication of the related data set. Considering the location of the meteorological observatory, the data set can be assessed very helpful in studying the climate of the central Mediterranean mountain area. Data set is correctly accessible via the given identifier, at

<https://data.nodc.noaa.gov/cgi-bin/iso?id=gov.noaa.nodc:0205785#>.

Some comments and suggestions of minor revisions or technical corrections:)(insert
() delete

Page 3: row 73 and next ones: please, indicate here the four stations names (move from page 16 rows 499-500). However they are not the only ones: the auditor is aware of the existence of at least two other stations in Southern Italy which have functioned as observatories (three multiparametric observations per day), located in Foggia (Nigri Observatory, from the end of the 19th century to the 1970 and more) , Taranto (Ferrajolo Observatory, still functioning).

Page 4 row 103 data can (shade) light. ...)shed(light row 114 drawn (is) section ... drawn)in(section row 123-124 e 126 please, titles translated in English enclosed in brackets

Page 5 row 138 The (tower measured) The)square-based tower measures(.... row 143 in the observatory (situation) room row 154 (suppressed))interrupted(

Page 6 row 186: formatted)in tables(according to row 187-188 Please, review description: e.i. : Each table is related to a month; it is composed of two pages, the first column of each one lists the days, the first row the name of the parameters and observation time.)Each box((On) of each column contains the value of. . .

Page 7 Row 204-207 please, add a figure of the more recent model of register. Row 220 please, add the reference for relationship formula.

Page 8 Row 247-256 please, add reference about snow/water conversion criteria .

Page 9 Row 288 please indicate which are remaining parameters

Page 11 Row 335 please, indicate that cloud cover parameter underwent only to gross error control and explain why.

Page 14 Row 443 reference: Brunet a or b?

Page 17 Row 538 (precepts))rules(

Table 3: please indicate, below each QC code, the description: bad value, suspicious data, tolerance test, temporal incoherence, good value.

Figure 6: there aren't blue dots (outliers, QC=1)

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Discussion paper

