## http://meteo.puraiti: awebaccess toplie)meteorological/data/collected/by/lie/talian/Antarctic/Program

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Meteo-Climatological Observatory in Antarctica, is a research project funded by the P.N.R.A. It started an observing programme in 1987: now, it consist of a network of 15 Automatic Weather Station Station and several ancillary instruments; in addition, the Observatory manages all the meteorological instruments used for operational meteorological assistance. Data are acquired according to the WHO/ICAO standards, they are stored, processed, verified, and distributed through appropriate communication means. A Web site http://meteo.onca.it was developed in order to give information about the role and activities of the Observatory, and to give public access to the data. The Meteo-Clim



The Web site (above is the home page) was dev Radiosounding, and permit to researchers to use data produced daily in Terra Nova Bay were add ith use, a obtaining real time charts; then, with METAR, SYNOP, Meteo bulletins, Sa

User can view data, download them, obtain char

## Automatic Weather Stations

Clicking on AWS Stations can have an overlo can have an overlook of Automatic Weather Stations. They were installed in Antarctica during expeditions, starting from 1987. The years of operation and data logging for each of them are reported in red in the table on the right; AWS' names are clickable, redirecting to a page giving details on the selected AWS

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they range from to approx, 1200



httli, P. Grigioni, L. De Silvestri, A. Pellegrini: The meteo-climatologica atory in antarctica: an overview, as browseable on the web. Conference dings, "Italian Research On Antarctic Atmosphere" M. Colacino (Ed.) SIF Bologna, in press.

i and A. Pellegrini (2001): Il Clima a Baia Terra Nova. Riserva Naturale, C. Baroni (Ed.) Terra Antartica Pub M., Piervitali E and Grigioni P.: Climatic character of the Terra

Nova Bey region. Ross See Ecology, Springer, Milano 2000 Tomas C., Cacciari A., Vitale V., Lupi A., Lanconelli C., Pellegrini A. P. P. (2004): Mean vertical profiles of temperature and absolute humi twelve-year radiosounding data set at Terra Nova Bay (Antarctica), A Research (Bever), in press.

Van Woert M.L., W. Meier, Zou C., Archer A., Pellegrini A., G C. (2001): Satellite Observation of Upper-Ocean Currents Antarctica. *Annals of Glaciology*, 33, pp.407-412.

P. Blonda, F. Pa and G. S. nentation, Optical Engineering, vol. 39 (2000), no. 4, pp. 1-17.

## Access to data

The table on the right reports all existing data, sorted by type and Expedition which data are relevant to. indicates that data exist for subject expedition. ew page ope

coded in the WMO standard format "TEMP" and sent to the GTS.Two radiosounding/day are done during summer (late October - end of February), at 00.00 and 12.00 UTC.

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#### AWS data

#### **Radiosounding Charts**

R The site is linked to a complete database aning all data and information (messages, bulletins, maps, etc.) produced by the evoluty. Thanks to the database, several of AWS and Radiosounding Charts can be emergented "on demand" by users, choosing station, parameters and time period to b

of an on-line chart takes s to 2-3 minutes, according to art and time interval requested the typ d W



# AWS Eneide (7353) Terra No In Day



#### Terra N

