

1. Record Nr.	UNINA9910970654203321
Titolo	Enhancing access to NEXRAD data, a critical national resource : a brief report // from the Global Energy and Water Cycle Experiment (GEWEX) Panel, Climate Research Committee, Board on Atmospheric Sciences and Climate, Commission on Geosciences, Environment, and Resources, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c1999
ISBN	9786610185764 9780309184601 0309184606 9781280185762 1280185767 9780309593670 0309593670 9780585198002 0585198004
Edizione	[1st ed.]
Descrizione fisica	1 online resource (26 p.)
Collana	The compass series
Disciplina	551.63/53
Soggetti	Weather radar networks - United States Radar meteorology Meteorological stations, Radar - United States Meteorological services - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 12-13).
Nota di contenuto	Enhancing Access to NEXRAD Data-A Critical National Resource -- Copyright -- Acknowledgments -- Enhancing Access to NEXRAD Data-A Critical National Resource -- BACKGROUND -- PANEL'S CHARGE -- PANEL'S OBSERVATIONS -- ISSUES -- STRATEGIES -- IMPROVING THE QUALITY OF THE DATA. -- ENSURING THE AVAILABILITY OF THE DATA -- ENHANCING ACCESS TO THE DATA -- CONCLUDING REMARKS -- REFERENCES -- Appendix A Tasking Letter from the USGCRP -- Appendix B -- Acronyms.

The Global Energy and Water Cycle Experiment (GEWEX) Panel was asked to assess the value of the NEXRAD data for answering key atmospheric and hydrological science questions (see the tasking letter in the appendix). In response, the panel reviewed the status of WSR-88D data collection, processing, and archival, as well as the accessibility of archived data (with an emphasis on Level II). For this purpose, the panel examined reports by R. Carbone (panel member) and G. Mandt, Director, NWS/Office of Meteorology (OM). It should be noted that, because an emphasis of the present review was in identifying areas for improving the utility of the NEXRAD data, the conclusions and recommendations presented in this report could be taken out of context to suggest that the data in their present form have little utility. On the contrary, the panel concluded that the NEXRAD data are valuable for both their real-time applications in weather forecasting, and their utility for studying atmospheric dynamics in greater detail than was previously possible. At the same time, the panel identified strategies that could significantly improve the utility and value of the data.
