1. Record Nr. UNINA9910826181803321 **Titolo** From research to operations in weather satellites and numerical weather prediction: crossing the valley of death // Board on Atmospheric Sciences and Climate, Commission on Geosciences. Environment, and Resources, National Research Council Pubbl/distr/stampa Washington, D.C., : National Academy Press, c2000 **ISBN** 0-309-17165-2 1-280-18554-6 9786610185542 0-309-56291-0 Edizione [1st ed.] Descrizione fisica 1 online resource (96 p.) Disciplina 551.63/4 Soggetti Satellite meteorology - United States Numerical weather forecasting - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 57-59). ""FROM RESEARCH TO OPERATIONS IN WEATHER SATELLITES AND Nota di contenuto NUMERICAL WEATHER PREDICTION""; ""Copyright""; ""Acknowledgments""; ""Preface""; ""Contents""; ""Executive Summary""; ""BASC FINDINGS"": ""KEY RECOMMENDATIONS RELATING TO EMC"": ""Added Requirements to Serve Future Needs"": ""KEY RECOMMENDATIONS FOR THE ENVIRONMENTAL SATELLITE PROGRAMS""; ""1 Introduction""; ""EXPANSION OF THE FORECASTING FAMILY""; ""2 Transition from Research to Operations in Weather Satellites and Numerical Weather Prediction""; ""IMPROVING THE FORECAST SYSTEM""; ""Transition to Operations" ""GUIDELINES FOR THE TRANSITION PROCESS""""3 Developing. Enhancing, and Maintaining Numerical Forecast Capability in the U.S.""; ""CURRENT SITUATION AT EMC""; ""EXAMPLES OF TRANSITIONS AT EMC""; ""BASC ASSESSMENT OF THE TRANSITION PROCESS""; ""A Strong Research Program""; ""A Healthy Infrastructure""; ""Strong Interface with the User Community"": ""International Observation and Data Access

Partnerships""; ""Continuous Evaluation Process"";

""RECOMMENDATIONS FOR EMC""; ""Improvements Required to Ensure Continuation of Current Capabilities""; ""Added Requirements to Serve Future Needs""

Future Needs"" ""Management Changes with Little Associated Costs"""4 Environmental Satellites""; ""RESEARCH SCIENTIST INVOLVEMENT IN NPOESS""; ""ACCESSIBILITY OF ENVIRONMENTAL SATELLITE DATA""; ""COORDINATION AMONG OBSERVATIONAL SYSTEMS""; ""BASC ASSESSMENT OF TRANSITION PROCESS""; ""A Strong Research Program""; ""A Healthy Infrastructure""; ""Strong Interface with the User Community""; ""International Observation and Data Access Partnerships""; ""Continuous Evaluation Process""; ""RECOMMENDATIONS FOR THE ENVIRONMENTAL SATELLITE PROGRAMS""; ""5 Concluding Remarks""; ""References"" ""Acronyms and Abbreviations""""Board Members' Biographies""; ""Appendix A""; ""AGENDA FOR THE 1999 BASC SUMMER STUDY""; ""Monday, June 28 OPEN SESSION""; ""Tuesday, June 28 OPEN SESSION""; ""Wednesday, June 30 OPEN SESSION""; ""Thursday, July 1 OPEN SESSION""; ""Friday, July 2 CLOSED SESSION""; ""Appendix B National

Weather Service Organization""; ""GENERAL DESCRIPTION""; ""The

National Centers for Environmental Prediction""