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| Nota di contenuto | ""FROM RESEARCH TO OPERATIONS IN WEATHER SATELLITES AND 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";
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"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"

Sommario/riassunto

This workshop report examines the capability of the forecast system to efficiently transfer weather and climate research findings into improved operational forecast capabilities. It looks in particular at the Environmental Modeling Center of the National Weather Service and environmental observational satellite programs. Using these examples, the report identifies several shortcomings in the capability to transition from research to operations. Successful transitions from R&D to operational implementation requires (1) understanding of the importance (and risks) of the transition, (2) development and maintenance of appropriate transition plans, (3) adequate resource provision, and (4) continuous feedback (in both directions) between the R&D and operational activities.
