1. Record Nr. UNINA9910778765903321 Airborne geophysics and precise positioning [[electronic resource]]: **Titolo** scientific issues and future directions / / Committee on Geodesy, Board on Earth Sciences and Resources, Commission on Geosciences. Environment, and Resources, National Research Council Pubbl/distr/stampa Washington, D.C., : National Academy Press, 1995 **ISBN** 0-309-58755-7 0-585-14319-6 Descrizione fisica 1 online resource (128 p.) 550 Disciplina Soggetti Geophysics - Remote sensing Earth sciences - Remote sensing Aeronautics in geodesy Aeronautics in earth sciences Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Note generali Report based on information presented at the Workshop on Airborne Geophysics, held on July 12-14, 1993, in Washington, D.C. Nota di bibliografia Includes bibliographical references (p. 105-111). Nota di contenuto ""Airborne Geophysics and Precise Positioning""; ""Copyright""; ""Preface""; ""Contents""; ""Executive Summary""; ""INTRODUCTION""; ""SUMMARY OF RECOMMENDATIONS""; ""1 Airborne Geophysics: A Powerful Tool for Studying the Earth ""; ""INTRODUCTION""; ""Access""; ""Sampling""; ""Interdisciplinary Studies""; ""PRECISE POSITION CAPABILITIES AND REQUIREMENTS""; ""MEASURING THE EARTH'S GRAVITY FIELD""; ""MEASURING THE EARTH'S SURFACE TOPOGRAPHY""; ""VERY HIGH RESOLUTION STUDIES WITH AIRBORNE TECHNIQUES""; ""2 Scientific Framework "" ""INTERDISCIPLINARY EARTH SCIENCE STUDIES AND AIRBORNE GEOPHYSICS"""Ice Dynamics and Sea Level Rise"": ""Erosion Processes and Landform Evolution""; ""Hydrologic Cycle""; ""CONTINENTAL GEODYNAMICS AND AIRBORNE GEOPHYSICS""; ""Active Tectonics""; ""Volcanology""; ""Regional Studies""; ""HIGH-RESOLUTION APPLICATIONS AND AIRBORNE GEOPHYSICS""; ""Resource Exploration"";

""Nuclear Verification""; ""GEODESY AND AIRBORNE GEOPHYSICS""; ""GLOBAL CHANGE MONITORING AND AIRBORNE GEOPHYSICS"";

""Monitoring Ice Sheets and Mountain Glaciers"; ""Monitoring Ocean Circulation"; ""Ecosystems"; ""Hydrology""
""3 Future Directions """MEASUREMENT AND POSITIONING
TECHNOLOGY""; ""Airborne Measurements of the Earth's Gravity Field"";
""Airborne Surface Topography Measurements"; ""KINEMATIC GPS
TECHNOLOGY""; ""Positioning Technology""; ""Navigation"";
""Orientation""; ""Future Directions for Airborne GPS Technology"";
""AIRBORNE PLATFORMS""; ""4 A Strategy for the Future ""; ""Appendix A Effects of Selective Availability (SA) and Antispoofing (AS) ""; ""Appendix B Conclusions from the Workshop on Airborne Geophysics "";
""Appendix C Workshop on Airborne Geophysics: The Agenda ""
""Appendix D Workshop on Airborne Geophysics: List of Participants
""""Acronyms""; ""References""