

Department Logistics
Division for Radiation Safety and Security

Aeroradiometric Measurements in the Framework of the Swiss Exercise ARM11

**Benno Bucher¹, Gernot Butterweck², Ladislaus Rybach³, Georg Schwarz¹,
Sabine Mayer²**

¹ Swiss Federal Nuclear Safety Inspectorate (ENSI), Industriestrasse 19,
5200 Brugg, Switzerland

² Division Radiation Safety and Security, Paul Scherrer Institute (PSI),
5232 Villigen PSI, Switzerland

³ Institut for Geophysics, Swiss Federal Institute of Technology Zürich (ETHZ),
8092 Zürich, Switzerland

Paul Scherrer Institut
5232 Villigen PSI
Switzerland
Tel. +41 56 310 21 11
Fax +41 56 310 21 99
www.psi.ch

CONTENTS

1 INTRODUCTION	1
1.1 Measuring System.....	1
1.2 Measuring flights.....	2
1.3 Data evaluation.....	3
2 RESULTS OF THE MEASURING FLIGHTS.....	4
2.1 Recurrent measurement areas around KKM and KKG	6
2.2 Portals and excavated rock deposits of NRLA	8
2.2.1 Reuss delta	8
2.2.2 Sedrun	8
2.2.3 Sigirino	8
2.2.4 Vezia (Breganzona)	8
2.2.5 Faido - Portal and Deposits	8
2.2.6 Bodio and Biasca	9
2.2.7 Camorino	9
2.2.8 Affoltern a. A.	9
2.3 Pizzo Ometto	9
2.4 Reference areas of FOPH	11
2.4.1 Rasa	11
2.4.2 Novaggio	11
2.4.3 Rodi	12
2.5 Chiasso.....	12
2.6 Municipal waste landfill sites.....	13
2.6.1 Genestrerio and Novazzano	13
2.6.2 Croglio	13
2.7 Search exercise for radioactive sources at Monte Ceneri	13
2.8 Piz Giuv	15
3 CONCLUSIONS	16
4 LITERATURE	17
5 PREVIOUS REPORTS	17