

Index of research groups / institutes

Research group / institute	Project	Page
Belgian Institute for Space Aeronomy (BIRA – IASB)	Atmospheric physics and chemistry http://www.ncep.noaa.gov/ http://www.nilu.no/projects/nadir http://nadir.nilu.no/calval/ http://www.nilu.no/uftir http://www.oma.be/AGACC/Home.html www.oma.be/BIRA-IASB/	57
Berner Fachhochschule, Hochschule für Technik und Informatik (HTI), Photovoltaik-Labor	Long-term energy yield and reliability of a high alpine PV (photovoltaic) plant at 3453 m http://www.pvtest.ch/	21
Bundesamt für Landestopographie / Swiss Federal Office of Topography (swisstopo)	Automated GPS Network Switzerland (AGNES) http://www.swisstopo.ch http://egvap.dmi.dk/	47
Bundesamt für Strahlenschutz, Freiburg i.Br. Climate and Environmental Physics, University of Bern	⁸⁵ Kr Activity Determination in Tropospheric Air http://www.climate.unibe.ch	63
Centrum voor Isotopen Onderzoek, Groningen University (Netherlands)	Testing snowmaking and firm coring equipment www.rug.nl/cio	127
Department of Geography, University of Zurich	PERMASENSE & PERMOS: Measuring permafrost in Alpine rock walls	129
École Polytechnique Fédérale de Lausanne (EPFL)	Study of the atmospheric aerosols, water vapor, ozone and temperature by LIDAR http://lpas.epfl.ch/lidar/research/LidarJungfrau/Jungfrau.html	11
EMPA Dübendorf, Swiss Federal Laboratories for Materials Science and Technology	Monitoring of halogenated greenhouse gases http://www.empa.ch/climate_gases http://www.nilu.no/soge/	23
EMPA Dübendorf, Swiss Federal Laboratories for Materials Science and Technology	National Air Pollution Monitoring Network, NABEL http://www.empa.ch/nabel http://www.umwelt-schweiz.ch/buwal/de/fachgebiete/fg_luft/luftbelastung/index.html	27
Environmental Radioactivity Section (SUER), Radiation Protection Division, Swiss Federal Office of Public Health	Monitoring of Air Radioactivity at the Jungfraujoch Research Station: Test of a new High Volume Aerosol Sampler	35

Research group / institute	Project	Page
ETH Institute of Atmospheric and Climate Science (IACETH)	Measurements of PAN and formaldehyde at the interface between the planetary boundary layer and the free troposphere http://iac.ethz.ch	105
Federal Office of Meteorology and Climatology MeteoSwiss, Payerne	Global Atmosphere Watch Radiation Measurements http://www.meteoswiss.ch/ http://www.iapmw.unibe.ch/research/projects/STARTWAVE/startwave_dbs.html (IWV STARWAVE data) http://wrdc.mgo.rssi.ru/	15
Institut d'Astrophysique et de Géophysique - Université de Liège	High resolution, solar infrared Fourier Transform Spectrometry. Application to the study of the Earth atmosphere http://girpas.astro.ulg.ac.be/ http://www.nilu.no/nadir/ ftp://ftp.cpc.ncep.noaa.gov/ndacc/	5
Institut für Atmosphäre und Umwelt, J.W. Goethe Universität Frankfurt	Ice-nuclei concentration and dewpoint measurements during CLACE5. http://www.sfb641.uni-frankfurt.de	77
Institut für Atmosphäre und Umwelt, Universität Frankfurt, Germany	Volatile organic compounds (VOC) in air, snow and ice crystals at high alpine research station Jungfrauoch during CLACE 5 http://www.meteor.uni-frankfurt.de/b8.htm	73
Institut für Physik der Atmosphäre, Johannes Gutenberg Universität Mainz	Characterization of cloud particles with FSSP and CIP instruments during CLACE5 http://www.uni-mainz.de/FB/Physik/IPA/pc/pc_home_d.htm	95
Institut für Physik der Atmosphäre, Johannes Gutenberg-Universität Mainz	Digital in-situ holography of atmospheric ice particles	101
Institut für Umweltphysik, Universität Heidelberg	Long-term observations of ¹⁴ CO ₂ and ²²² Radon at Jungfrauoch http://www.iup.uni-heidelberg.de/institut/forschung/groups/kk/ http://www.iup.uni-heidelberg.de/institut/forschung/groups/fa/radiokohlenstoff/radiometrie-web-html (http://www.carboeurope.org/) (http://www.meteor.uni-frankfurt.de/eurohydros/) http://www.iup.uni-heidelberg.de/institut/forschung/groups/kk/	55
Institute for Atmospheric and Climate Science, ETH Zurich	Single Particle Studies of Ice Nuclei During CLACE 5	93
Institute for Isotope Geology and Mineral Resources, ETH Zurich	Cosmogenic nuclide production rate calibration using artificial quartz and water targets.	115
iRoC Technologies, France	Soft Error Test of electronic memory devices at high altitude	109

Research group / institute	Project	Page
Klima- und Umweltphysik, Physikalisches Institut, Universität Bern	High precision carbon dioxide and oxygen measurements http://www.lsce.cnrs-gif.fr/CE-atmosphere/database/index_database.html	53
Labor für Radio- und Umweltchemie der Universität Bern und des Paul Scherrer Instituts	VITA (Varves, Ice cores and Tree rings – Archives with annual resolution) and VIVALDI (Variability in Ice, Vegetation, and Lake Deposits — Integrated), both within the frame of NCCR Climate http://lch.web.psi.ch/ http://www.nccr-climate.unibe.ch/	133
Laboratory of Atmospheric Chemistry, Paul Scherrer Institute	Global Atmosphere Watch Aerosol Program at the Jungfrauoch http://www.psi.ch/gaw http://www.psi.ch/lac http://aerosolforschung.web.psi.ch http://www.meteoschweiz.ch/web/en/climate/global_climate_monitoring/GAW_CH_Allg/GAW-aerosol.html	39
Leibniz-Institut für Troposphärenforschung, Leipzig, Deutschland (IfT)	Sampling and physico-chemical characterisation of ice nuclei in mixed phase clouds http://www.tropos.de	81
Max Planck Institute for Chemistry, Biogeochemistry Department, Mainz	Investigation of cloud condensation nuclei properties	91
MeteoSchweiz, Bundesamt für Meteorologie und Klimatologie, Zürich	The weather in 2006 http://www.meteoschweiz.ch	137
Norwegian Institute for Air Research, Kjeller, Norway	European passive air sampling campaign for selected POPs http://www.nilu.no and http://www.emep.int	33
Particle Chemistry Department Institute for Atmospheric Physics, University of Mainz and Max Planck Institute for Chemistry, Mainz	Mass spectrometric studies of ice nuclei and background aerosol within CLACE 5	69
Particle Chemistry Department Institute for Atmospheric Physics, University of Mainz and Max Planck Institute for Chemistry, Mainz	Cloud and Aerosol Characterization Experiment 5 (CLACE 5)	65
Physikalisches Institut, Universität Bern	Neutron Monitors - Study of solar and galactic cosmic rays http://cosray.unibe.ch/	117

Research group / institute	Project	Page
Physikalisches Institut, Universität Bern	SONTEL - Solar Neutron Telescope for the identification and the study of high-energy neutrons produced in energetic eruptions at the Sun http://cosray.unibe.ch/ http://stelab.nagoya-u.ac.jp/st-www1/div3/CR/Neutron/index.html	149
I. Physikalisches Institut, Universität zu Köln Radioastronomisches Institut, Universität Bonn	KOSMA - Kölner Observatorium für Submm-Astronomie http://www.ph1.uni-koeln.de http://www.ph1.uni-koeln.de/gg http://www.astro.uni-bonn.de http://www.astro.uni-bonn.de/~webrai/index.php	143
Physikalisch- Meteorologisches Observatorium Davos, World Radiation Center	Remote sensing of aerosol optical depth http://www.pmodwrc.ch , http://wdca.jrc.it/	19
Pneumology, Medizinische Klinik Innenstadt, University of Munich	Changes of impulse oscillometric parameters in healthy people after exposure to high altitude www.bexmed.de	131
Project SPAESRANE (Solutions for the Preservation of Aerospace Electronic Systems Reliability in the Atmospheric Neutron Environment)	SPAESRANE environmental experiments http://www.spaesrane.com	111
Technische Universität Darmstadt, Institut für Angewandte Geowissen- schaften, Umwelt- mineralogie	Single particle analysis of ice nuclei and interstitial particles of mixed-phase clouds from the CLACE 5 campaign	85
University Mainz, Environmental Geochemistry, Mineralogy	Tomographic characterization of ice particles	97
University of Rome "La Sapienza", Department of Physics	Prototype study for measurement of cosmic ray at large zenith angle	121
Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie, ETH Zentrum, Zürich	Variations of the Grosser Aletschgletscher http://www.vaw.ethz.ch/gz/ http://www.vaw.ethz.ch/research/glaciology/glacier_change/gz_variations_gr_aletschgletscher	123
Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie, ETH Zentrum, Zürich	On the outburst of glacier-dammed lakes: A study at Gornergletscher, Valais http://www.vaw.ethz.ch/research/glaciology/glacier_hydraulics/gz_outburst_glacierdammed_lake http://www.glaciology.ch	153

International Foundation HFSJG: <http://www.ifjungo.ch/>

Index of projects

Project	Research group / institute	Page
Atmospheric physics and chemistry http://www.ncep.noaa.gov/ http://www.nilu.no/projects/nadir http://nadir.nilu.no/calval/ http://www.nilu.no/uftir http://www.oma.be/AGACC/Home.html www.oma.be/BIRA-IASB/	Belgian Institute for Space Aeronomy (BIRA – IASB)	57
Automated GPS Network Switzerland (AGNES) http://www.swisstopo.ch http://egvap.dmi.dk/	Bundesamt für Landestopographie / Swiss Federal Office of Topography (swisstopo)	47
Changes of impulse oscillometric parameters in healthy people after exposure to high altitude www.bexmed.de	Pneumology, Medizinische Klinik Innenstadt, University of Munich	131
Characterization of cloud particles with FSSP and CIP instruments during CLACE5 http://www.uni-mainz.de/FB/Physik/IPA/pc/pc_home_d.htm	Institut für Physik der Atmosphäre, Johannes Gutenberg Universität Mainz	95
Cloud and Aerosol Characterization Experiment 5 (CLACE 5)	Particle Chemistry Department Institute for Atmospheric Physics, University of Mainz and Max Planck Institute for Chemistry, Mainz	65
Cosmogenic nuclide production rate calibration using artificial quartz and water targets.	Institute for Isotope Geology and Mineral Resources, ETH Zurich	115
Digital in-situ holography of atmospheric ice particles	Institut für Physik der Atmosphäre, Johannes Gutenberg-Universität Mainz	101
European passive air sampling campaign for selected POPs http://www.nilu.no and http://www.emep.int	Norwegian Institute for Air Research, Kjeller, Norway	33
Global Atmosphere Watch Aerosol Program at the Jungfraujoch http://www.psi.ch/gaw http://www.psi.ch/lac http://aerosolforschung.web.psi.ch http://www.meteoschweiz.ch/web/en/climate/global_climate_monitoring/GAW_CH_Allg/GAW-aerosol.html	Laboratory of Atmospheric Chemistry, Paul Scherrer Institute	39

Project	Research group / institute	Page
Global Atmosphere Watch Radiation Measurements http://www.meteoswiss.ch/ http://www.iapmw.unibe.ch/research/projects/STARTWAVE/s tartwave_dbs.html (IWV STARWAVE data) http://wrdc.mgo.rssi.ru/	Federal Office of Meteorology and Climatology MeteoSwiss, Payerne	15
High precision carbon dioxide and oxygen measurements http://www.lsce.cnrs-gif.fr/CE-atmosphere/database/index_database.html	Klima- und Umweltphysik, Physikalisches Institut, Universität Bern	53
High resolution, solar infrared Fourier Transform Spectrometry. Application to the study of the Earth atmosphere http://girpas.astro.ulg.ac.be/ http://www.nilu.no/nadir/ ftp://ftp.cpc.ncep.noaa.gov/ndacc/	Institut d'Astrophysique et de Géophysique - Université de Liège	5
Ice-nuclei concentration and dewpoint measurements during CLACE5. http://www.sfb641.uni-frankfurt.de	Institut für Atmosphäre und Umwelt, J.W. Goethe Universität Frankfurt	77
Investigation of cloud condensation nuclei properties	Max Planck Institute for Chemistry, Biogeochemistry Department, Mainz	91
KOSMA - Kölner Observatorium für Submm-Astronomie http://www.ph1.uni-koeln.de http://www.ph1.uni-koeln.de/gg http://www.astro.uni-bonn.de http://www.astro.uni-bonn.de/~webrai/index.php	I. Physikalisches Institut, Universität zu Köln Radioastronomisches Institut, Universität Bonn	143
⁸⁵ Kr Activity Determination in Tropospheric Air http://www.climate.unibe.ch	Bundesamt für Strahlenschutz, Freiburg i.Br. Climate and Environmental Physics, University of Bern	63
Long-term energy yield and reliability of a high alpine PV (photovoltaic) plant at 3453 m http://www.pvtest.ch/	Berner Fachhochschule, Hochschule für Technik und Informatik (HTI), Photovoltaik-Labor	21
Long-term observations of ¹⁴ CO ₂ and ²²² Radon at Jungfraujoch http://www.iup.uni-heidelberg.de/institut/forschung/groups/kk/ http://www.iup.uni-heidelberg.de/institut/forschung/groups/fa/radiokohlenstoff/radiometrie-web-html (http://www.carboeurope.org/) (http://www.meteor.uni-frankfurt.de/eurohydros/) http://www.iup.uni-heidelberg.de/institut/forschung/groups/kk/	Institut für Umweltphysik, Universität Heidelberg	55

Project	Research group / institute	Page
Mass spectrometric studies of ice nuclei and background aerosol within CLACE 5	Particle Chemistry Department Institute for Atmospheric Physics, University of Mainz and Max Planck Institute for Chemistry, Mainz	69
Measurements of PAN and formaldehyde at the interface between the planetary boundary layer and the free troposphere http://iac.ethz.ch	ETH Institute of Atmospheric and Climate Science (IACETH)	105
Monitoring of Air Radioactivity at the Jungfraujoch Research Station: Test of a new High Volume Aerosol Sampler	Environmental Radioactivity Section (SUER), Radiation Protection Division, Swiss Federal Office of Public Health	35
Monitoring of halogenated greenhouse gases http://www.empa.ch/climate_gases http://www.nilu.no/soge/	EMPA Dübendorf, Swiss Federal Laboratories for Materials Science and Technology	23
National Air Pollution Monitoring Network, NABEL http://www.empa.ch/nabel http://www.umwelt-schweiz.ch/buwal/de/fachgebiete/fg_luft/luftbelastung/index.html	EMPA Dübendorf, Swiss Federal Laboratories for Materials Science and Technology	27
Neutron Monitors - Study of solar and galactic cosmic rays http://cosray.unibe.ch/	Physikalisches Institut, Universität Bern	117
On the outburst of glacier-dammed lakes: A study at Gornergletscher, Valais http://www.vaw.ethz.ch/research/glaciology/glacier_hydraulics/gz_outburst_glacierdammed_lake http://www.glaciology.ch	Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie, ETH Zentrum, Zürich	153
PERMASENSE & PERMOS: Measuring permafrost in Alpine rock walls	Department of Geography, University of Zurich	129
Prototype study for measurement of cosmic ray at large zenith angle	University of Rome "La Sapienza", Department of Physics	121
Remote sensing of aerosol optical depth http://www.pmodwrc.ch , http://wdca.jrc.it/	Physikalisch-Meteorologisches Observatorium Davos, World Radiation Center	19
Sampling and physico-chemical characterisation of ice nuclei in mixed phase clouds http://www.tropos.de	Leibniz-Institut für Troposphärenforschung, Leipzig, Deutschland (IFT)	81

Project	Research group / institute	Page
Single particle analysis of ice nuclei and interstitial particles of mixed-phase clouds from the CLACE 5 campaign	Technische Universität Darmstadt, Institut für Angewandte Geowissenschaften, Umwelt-mineralogie	85
Single Particle Studies of Ice Nuclei During CLACE 5	Institute for Atmospheric and Climate Science, ETH Zurich	93
Soft Error Test of electronic memory devices at high altitude	iRoC Technologies, France	109
SONTEL - Solar Neutron Telescope for the identification and the study of high-energy neutrons produced in energetic eruptions at the Sun http://cosray.unibe.ch/ http://stelab.nagoya-u.ac.jp/stelab/div3/CR/Neutron/index.html	Physikalisches Institut, Universität Bern	149
SPAESRANE environmental experiments http://www.spaesrane.com	Project SPAESRANE (Solutions for the Preservation of Aerospace Electronic Systems Reliability in the Atmospheric Neutron Environment)	111
Study of the atmospheric aerosols, water vapor, ozone and temperature by LIDAR http://lpas.epfl.ch/lidar/research/LidarJungfrau/Jungfrau.html	École Polytechnique Fédérale de Lausanne (EPFL)	11
Testing snowmaking and firn coring equipment www.rug.nl/cio	Centrum voor Isotopen Onderzoek, Groningen University (Netherlands)	127
Tomographic characterization of ice particles	University Mainz, Environmental Geochemistry, Mineralogy	97
Variations of the Grosser Aletschgletscher http://www.vaw.ethz.ch/gz/ http://www.vaw.ethz.ch/research/glaciology/glacier_change/gz_variations_gr_aletschgletscher	Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie, ETH Zentrum, Zürich	123
VITA (Varves, Ice cores and Tree rings – Archives with annual resolution) and VIVALDI (Variability in Ice, Vegetation, and Lake Deposits — Integrated), both within the frame of NCCR Climate http://lch.web.psi.ch/ http://www.nccr-climate.unibe.ch/	Labor für Radio- und Umweltchemie der Universität Bern und des Paul Scherrer Instituts	133
Volatile organic compounds (VOC) in air, snow and ice crystals at high alpine research station Jungfrauoch during CLACE 5 http://www.meteor.uni-frankfurt.de/b8.htm	Institut für Atmosphäre und Umwelt, Universität Frankfurt, Germany	73

Project	Research group / institute	Page
The weather in 2006 http://www.meteoschweiz.ch	MeteoSchweiz, Bundesamt für Meteorologie und Klimatologie, Zürich	137

International Foundation HFSJG: <http://www.ifjungo.ch/>

