

## CV

**Thomas Flury, PhD of Science in Physics, Swiss**

---

**Date of Birth:** 26 September 1981  
**Place of Birth:** Fribourg, Switzerland  
**E-Mail:** thomas.flury@jpl.nasa.gov

## RESEARCH INTEREST

---

**Hydrological cycle in a warming climate. Upper tropospheric and lower stratospheric water vapor and ozone.**

## EDUCATION

---

2006-2010 **PhD in atmospheric physics. Subject: Ozone and water vapor in the middle atmosphere**  
Honor: **Summa Cum Laude**  
University of Bern, Institute of Applied Physics, Switzerland

2004-2006 MSc in Physics. Subject of Master thesis: Natural and artificial radioactivity in air measured at Jungfraujoeh  
University of Fribourg, Physics Department, Switzerland

2001-2004 BSc in Physics and Mathematics  
University of Fribourg , Switzerland

1997-2001 Swiss federal Maturity, College St.Michael, Fribourg, Switzerland

## WORK EXPERIENCE

---

Since 12/2010 **Postdoc at NASA-Jet Propulsion Laboratory, USA**  
2010 Postdoc at Institute of Applied Physics, University of Bern  
2005-2010 Teacher of mathematics (part time), College Gambach, Fribourg  
1998-2010 Tennis teacher (part time)  
2004-2010 Tennis tournament director of the national event Open de Marly

## LANGUAGES

---

- German, native speaker
- French, fluent
- English, fluent

## IT

---

- Matlab, Mathematica, MySQL, C, IDL
- Office, Latex, Windows, Linux and Mac

## AWARDS

---

- Swiss National Science Research Fellowship, 2010
- World Climate Research Programme, Poster Award, 2011

## CONFERENCES AND TRAINING

---

- Training: Weather Research & Forecasting Model, Boulder, USA, 2011  
European Space Agency Atmospheric Training, Oxford, 2008
- Talks: Invited talk at IAP Kühlungsborn, Germany, 2010  
International Space Science Institute, Bern, Workshop, 2008, 2009  
European Geophysical Union, Vienna, 2008
- Poster: WCRP Climate Open Science Conference, Denver, USA, 2011  
American Geophysical Union, Toronto, Canada, 2009  
Swiss Global Change Day, Bern, 2009  
Stratospheric Processes and their Role in Climate, Bologna, 2008  
SCOUT-O3 Annual Meeting, Heraklion, Crete, 2007

## PUBLICATIONS

---

- Correlation among cirrus ice content, water vapor and temperature in the TTL as observed by CALIPSO and Aura/MLS, Atmos. Chem. Phys. Discuss., 2011
- Enhancements of gravity wave amplitudes at midlatitudes during SSW in 2008, Atmos. Chem. Phys. Discuss., 2010
- Ozone depletion, water vapor increase and PSC generation at midlatitudes by the 2008 major stratospheric warming, J. Geophys. Res., 2009
- Co-author for Signatures of the Sudden Stratospheric Warming events of January - February 2008 in Seoul, S. Korea, Adv. in Space Res., 2011
- Water vapor transport in the lower mesosphere of the subtropics: a trajectory analysis, Atmos. Chem. Phys., 2008
- First measurements of lower mesospheric wind by airborne microwave radiometry, Geophys. Res. Lett., 2008
- Monitoring of air radioactivity at the Jungfraujoeh research station: Test of a new high volume aerosol sampler, Science of the Total Environment, 2008

## ACTIVITIES

---

- Tennis: Competitive player, best Swiss ranking No. 31, participation at the World Student Olympics, Swiss University Champion, Tournament Director, Teacher
- Hobbies: Outdoor sports, hiking, observe nature and weather