

Canadian Network for the Detection of Atmospheric Change (CANDAC) Workshop 2009

Draft Program

Thursday, October 15thFriday, October 16thSaturday, October 17th

8:20 – 8:40 CANDAC Report James Drummond	8:10 – 9:10 Guest Speaker Ed Eloranta	8:10 – 8:30 Pan-Arctic sunphotometry during the ARCTAS-A spring campaign of 2008 Norm O'Neill
8:40 – 9:00 PEARL Report Pierre Fogal		8:30 – 8:50 Optical analysis of synchronous sunphotometry and lidar data acquired at Eureka during the ARCTAS-A campaign of 2008 David Daou
9:00 – 9:20 Theme 1 (Arctic Troposphere Transport Air Quality) Report James Sloan		8:50 – 9:10 Canadian Arctic Atmospheric Chemistry Experiment Validation Campaigns at PEARL: Polar Sunrise 2009 Kaley Walker
9:20 – 9:40 Theme 2 (Arctic Radiative Environment) Report Thomas Duck	9:10 – 9:30 Measurement Overview of the CANDAC Raman Lidar Graeme Nott	9:10 – 9:30 Three years of stratospheric trace gas retrievals at PEARL and comparisons with the Atmospheric Chemistry Experiment Rodica Lindenmaier
9:40 – 10:00 Theme 3 (Arctic Middle Atmospheric Chemistry) Report Kim Strong	9:30 – 9:50 Retrievals and Calibration of Water-vapour and Temperature from the CANDAC Raman Lidar Jonathan Doyle	9:30 – 9:50 PARIS-IR: Highlights from the Canadian Arctic ACE Validation Campaigns, recent developments and plans for the future Felicia Kolonjari
10:00 – 10:20 Theme 4 (Waves and Coupling Processes) Report William Ward	9:50 – 10:10 DIAL ozone measurements and Eureka update Jeff Seabrook	9:50 – 10:10 Gravity wave measurements using the CANDAC-EC DIAL lidar during the 2009 Polar Sunrise Campaign Emily McCullough
BREAK (10:20 – 10:50)	BREAK (10:10 – 10:40)	BREAK (10:10 – 10:40)
10:50 – 11:05 Outreach Report Tara Cunningham	10:40 – 11:00 Eureka Water Vapour Lidar: The first three years Andrea Moss	10:40 – 11:40 Guest Speaker Eric Donovan
11:05 – 11:20 Data Management Yan Tsehtik	11:00 – 11:20 Retrieving cloud optical depth and ice particle size using Thermal IR radiometry at Eureka: Preliminary results and validation Yann Blanchard	
11:20 – 11:40 Satellite observations of temperature and ozone between 2004 and 2009 at Eureka Ding Yi Wang	11:20 – 11:40 A New Radiometric Instrument for PEARL Niall Ryan	
11:40 – 12:00 The spring-time Arctic stratosphere during IPY - a study using measurements, models and dynamical analyses Rebecca Batchelor	11:40 – 12:00 One Year of E-AERI Infrared Emission Measurements at PEARL Mariele Wolff	11:40 – 13:20 Northern Experience Program Report
12:00 – 12:20 The OSIRIS Sulphate Aerosols Doug Degenstein	12:00 – 12:20 To be submitted Nimalan Swarnalingam	
LUNCH (12:20 – 13:00)	LUNCH (12:20 – 13:00)	LUNCH (12:20 – 13:00)
13:00 – 14:00 Guest Speaker Jean-Pierre Blanchet	13:00 – 14:00 Guest Speaker Lynn Harvey	13:00 – 13:20 Northern Experience Program Report
		13:20 – 13:40 Non-tidal, short period (< 1d) variance in Eureka/PEARL SKIYMET meteor radar winds Chris Meek
		13:40 – 14:00 On the semidiurnal tide during 2006/7: Results from the CMAM-DAS hourly data compared with published studies Xiaoyong Xu
14:00 – 14:20 Atmospheric transport of volcanic emissions into the High Arctic Region Richard Damoah	14:00 – 14:20 The CANDAC January 2009 Campaign William Ward	14:00 – 14:20 Three years of UV-visible measurements at PEARL: Variability of ozone and NO ₂ during IPY, the August 2008 solar eclipse, and BrO satellite comparisons Cristen Adams
14:20 – 14:40 Characterizing aerosol transport into the Canadian High Arctic using aerosol mass spectrometry and Lagrangian modelling Jim Sloan	14:20 – 14:40 The Sudden Stratospheric Warming of 2008/9 winter: data from three GCMs with Data Assimilation, and observations from Aura MLS and the CANDAC-PEARL VHF Meteor Radar Chris Meek	14:20 – 14:40 Starphotometer at Eureka: recent activities and progress Konstantin Baibakov
14:40 – 15:00 Transport of biomass burning aerosol into the Arctic in April 2008: GEM-AQ simulation & comparison with optical obs Alex Lupu	14:40 – 15:00 Airglow and Temperature Response during the January 2009 Major Stratospheric Warming Marianna Shepherd	14:40 – 15:00 ERWIN 2: Algorithm Developments, Validation, and Science Sam Kristoffersen
15:00 – 15:20 Summary of the Summer 2009 laser upgrade to the CANDAC-EC DIAL lidar at PEARL Emily McCullough	15:00 – 15:20 A study of temperature and meridional wind relationship at high northern latitudes Gordon Shepherd	15:00 – 15:20 The PEARL All Sky Imager William Ward