

Canadian Network for the Detection of Atmospheric Change (CANDAC) Workshop / CREATE-Arctic Atmospheric Science Research Symposium

2010 Program

Monday November 1st

Atlantic Ballroom

Tuesday November 2nd

Harbour Suites

Wednesday November 3rd

Atlantic Ballroom

8:30 – 9:10 Welcome / CANDAC Report James Drummond	8:30 – 9:30 High spectral resolution lidar measurements at Eureka	8:30 – 9:30 Biogenic aerosols at Eureka: long distance pollen transport
9:10 – 9:30 PEARL Report Pierre Fogal	Ed Eloranta	Elisabeth Levac
9:30 – 9:50 Theme 1 (Arctic Troposphere Transport Air Quality) Report James Sloan	9:30 – 9:50 The OPAL tropospheric ozone lidar - An update Jeff Seabrook	9:30 – 9:50 Water vapour intrusion case study from winter 2009/10 Graeme Nott
9:50 – 10:10 Theme 2 (Arctic Radiative Environment) Report Thomas Duck	9:50 – 10:10 Installation and calibration of the depolarization channel of the CANDAC RMR Lidar in the Canadian High Arctic Emily McCullough	9:50 – 10:10 Radiative effects of winter water vapour intrusions at Eureka Colin Pike-Thackray
BREAK (10:10 – 10:40)	BREAK (10:10 – 10:40)	BREAK (10:10 – 10:40)
10:40 – 11:00 Theme 3 (Arctic Middle Atmospheric Chemistry) Report Kaley Walker for Kim Strong	10:40 – 11:00 The “New” Western Purple Crow Lidar Robin Wing	10:40 – 11:00 Sarychev Volcanic Aerosol and Chemical measurements over Eureka, Canada Chris Perro
11:00 – 11:20 Theme 4 (Waves and Coupling Processes) Report William Ward	11:00 – 11:20 LIDAR data processing using nonlinear mathematical inversion Jaya Khanna	11:00 – 11:20 Aspect Sensitivity Study on Polar Mesosphere Summer Echoes (PMSE) using Resolute Bay and Eureka VHF radars Nimalan Swarnalingam
11:20 – 11:40 Outreach Report Ashley Kilgour	11:20 – 11:40 FTS & Suntracker Development at Dalhousie University Jonathan Franklin	11:20 – 11:40 Simulation of transport of biomass burning emissions into the Arctic in April 2008 Alex Lupu
11:40 – 12:00 NSERC CREATE Training Program in Arctic Atmospheric Sci. Ashley Kilgour for Kim Strong	11:40 – 12:00 Recent upgrade of the Star Photometer in Eureka Liviuv Ivanescu	11:40 – 12:00 Stratospheric Aerosol Layers in the High Canadian Arctic Frans Olofsson
LUNCH (12:00 – 13:00)	LUNCH (12:00 – 13:00)	LUNCH (12:00 – 13:00)
13:00 – 14:00 Invited Speaker Nick Xenos	13:00 – 13:20 Design and development of a millimetre wave radiometer for Eureka Niall Ryan	
	13:20 – 13:40 Quality control of the Eureka flux tower solar radiation measurements by QCRad Nobuki Matsui	
	13:40 – 14:00 Infrared emission measurements at Eureka using the E-AERI Zen Mariani	
14:00 – 14:20 The 2010 Canadian Arctic Atmospheric Chemistry Experiment Validation Campaigns at PEARL Kaley Walker	14:00 – 14:20 Retrieving cloud optical depth and ice particle size using Thermal IR radiometry: Application to the monitoring of thin ice clouds in an Arctic environment Yann Blanchard	
14:20 – 14:40 PARIS-IR: Highlights from the Canadian Arctic ACE Validation Campaigns, recent developments and plans for the future Felicia Kolonjari	14:20 – 14:40 Science and collaborative activity with the PEARL All Sky Imager William Ward	
14:40 – 15:00 Highlights of UV-visible measurements at PEARL Cristen Adams	14:40 – 15:00 ERWIN-2: Wind Measurements and Comparisons with Meteor Radar Sam Kristoffersen	
15:00 – 15:20 Improvements of the Bruker 125HR retrieval parameters and a look at the stratospheric NOy budget over Eureka Rodica Lindenmaier	15:00 – 15:20 Eureka meteor radar temperatures compared with Aura and SABER Chris Meek	
BREAK (15:20 – 15:30)	BREAK (15:20 – 15:50)	
15:30-17:30 SSC/Board Meeting / CREATE Trainee Advisory Meeting Harbour Suite B / Atlantic Ballroom	15:50 – 16:10 Role of Surface Temperature Inversions in Arctic Amplification Glen Lesins	
	16:10 – 16:30 Effects of Arctic ozone intrusion on high and mid latitudes Mohammed Osman	
	16:30 – 16:50 Spectral analysis of AOD measurements acquired during the PAN-ARCMIP Airborne Campaign Norm O'Neill	
	16:50 – 17:10 Pan-Arctic Characterization of Polar Winter Aerosols Konstantin Baibakov	
	17:10 – 17:30 Air Pollution Transport to the Arctic: A Case Study and Climatology Richard Damoah	