

# Agenda Mats Science meeting

## Monday 25th of September

9.30 Welcome

9.50 Mats Introduction

9.50 Jörg Gumbel "MATS overview"

11.00 Ole Martin Christensen "Mats retrieval"

11.20 Anqi Li, "Mats simulations"

12.00 Lunch

13.00 Gravity waves basics and open questions

13.00 Patrick Espy Title TBD

13.50 Erich Becker "Secondary gravity waves in the austral winter MLT: Results from a high-resolution GCM"

15.20 Manfred Ern "Global observations of gravity waves in the MLT and scientific topics of interest"

16.30 Drink and quiz walk to the dinner

18.00 Dinner

## Tuesday 26th of September

9.00 From observations to knowledge about waves

9.00 Martin Kaufmann "Tomographic reconstruction of atmospheric gravity wave parameters from airglow observations"

9.30 Kaoru Sato Title TBD

10.45 From observations to knowledge about Airglow and NLC

10.45 Adam Bourassa "Modelling MATS measurements with SASKTRAN: Absorption, emission and scattering in the O2 A-band"

11.15 Christian Savigny "Open questions in airglow research (from my perspective)"

11.50 Lunch

13.20 Mike Stevens "O2 A Band Temperature Measurements by the MIGHTI Instrument on the NASA ICON Mission: Expected Precision, Accuracy, and Vertical Coverage"

13.50 Gerd Baumgarten "NLC and Airglow"

15.00 Mark Hervig "PMC progress and open questions"

16.00 Wrap up