

## The 6<sup>th</sup> ILAS-II Science Team Meeting Nagoya, 14 – 16 July 2003, Japan

### 14 July 2003 (Monday)

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#### Registration

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12:30 – 13:00

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#### Opening Remarks

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13:00 – 13:10 (TBD) MOE  
Sasano, Y. &  
Nakajima, H.

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#### ILAS-II Project Status Overview

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13:10 – 13:40 Nakajima, H. ILAS-II project and hardware status

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13:40 – 14:20 Ejiri, M.,  
Tanaka, T.,  
Terao, Y. &  
Saitoh, N. Status report on characteristics of ILAS-II Level 0 data

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14:20 – 15:00 Yokota, T., &  
Sugita, T. Outline of the ILAS-II data processing algorithms and Level 1 & 2 data status

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15:00 – 15:30 Coffee break

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15:30 – 15:50 Yokota, T. Status of routine operations and usage plans of the ILAS-II Data Handling Facility (DHF)

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15:50 – 16:10 Irie, H. Current status of ILAS-II gas and aerosol data quality

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16:10 – 16:40 Kanzawa, H. Status of the validation experiment plan

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16:40 – 17:00 Kobayashi, H. Late proposal research announcement for the ILAS-II project

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#### Reception

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18:00 – 20:00

**15 July 2003 (Tuesday)**

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**Validation Analysis & Others**

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9:10 – 9:30	Sugita, T.	An initial result of comparisons between ILAS-II and ozonesondes
9:30 – 9:50	Saitoh, N.	Preliminary validation analysis using POAM-III and SAGE-III data
9:50 – 10:15	Khosrawi, F.	Northern and Southern Hemispheric monthly averaged ozone and nitrous oxide from ILAS
	Khosrawi, F.	Validation of CFC-12 measurements from ILAS with the version 6.0 retrieval algorithm

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**Progress of JRA (1) – Algorithm –**

\* Presenter

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10:15 – 10:35	Fukabori, M.	Measurements of the absorption line parameters of N <sub>2</sub> O and CO <sub>2</sub> bands in the CH <sub>2</sub> region of ILAS-II at atmospheric temperatures
10:35 – 10:55	Kurosu, T. P.	Stratospheric ozone and NO <sub>2</sub> profiles from limb and occultation viewing sensors - Latest results
10:55 – 11:15	Coffee Break	
11:15 – 11:35	Oshchepkov, S.	New method for simultaneous gas and aerosol retrievals: Application to the ILAS PSC scenes
11:35 – 11:55	* Steele, H. M. Eldering, A.	Characterization of aerosols from infrared transmission measurements
11:55 – 13:20	Lunch	
13:20 – 13:40	Lee, K.-M.	Plan for research on aerosol properties determined from ILAS-II transmittance data
13:40 – 14:00	Massie, S. T.	ILAS aerosol spectra
14:00 – 14:20	* Kim Y. Park, J. H.	Properties of Antarctic PSCs retrieved from ILAS-I data
14:20 – 14:40	Sloan, J. J.	What can we learn about atmospheric aerosols from ILAS measurements?
14:40 – 15:00	Coffee Break	

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<b>Progress of JRA (2) – Science –</b>		<b>* Presenter</b>
15:00 – 15:20	Shiotani, M.	Time variations of descent in the Antarctic vortex during the early winter of 1997
15:20 – 15:40	Kondo, Y.	Mechanism of denitrification in the polar stratosphere: Comparison of the Arctic and Antarctic
15:40 – 16:00	Cunnold, D. M.	Ozone trends from satellite measurements with emphasis on the lower stratosphere
16:00 – 16:20	Hayashida, S.	ILAS version 6.0 ClONO <sub>2</sub> data analysis related to chlorine activation estimate
16:20 – 16:40	Lefevre, F.	ILAS-II analysis plan with the Reprobus 3D model
16:40 – 17:00	Matsumi, Y.	Absorption spectrum measurements of ozone around 760 nm at 200 - 300 K
17:00 – 17:20	Nakane, H.	Present status of the ground-based stations available for ILAS II correlative measurements and analysis plan
17:20 – 17:40	* Taha, G. Thomason, L. W.	Overview and early results of SAGE III first year of measurements

**16 July 2003 (Wednesday)**

<b>Progress of JRA (3) – Validation –</b>		* Presenter
9:00 – 9:20	* Wood, S. W. Bodeker, G. E.	Proposed validation of ILAS-II products using ground-based FTIR and UV/VIS measurements in the Southern Hemisphere
9:20 – 9:40	* Nakajima, H. Gernandt, H.	ILAS II (ozone data) validation at Neumayer in May 2003
9:40 – 10:00	* Oelhaf, H. Wetzel, G.	First validation of minor species measured by ILAS-II with MIPAS-B2 observations
10:00 – 10:20	* Payan, S. Camy-Peyret, C.	ILAS-II related scientific activities at LPMA
10:20 – 10:40	* Shiraishi, K. Hayashi, M.	Observations of stratospheric aerosols by Balloon-borne Optical Particle Counter at Syowa station, Antarctica
10:40 – 11:00	Coffee Break	
11:00 – 11:20	Suzuki, M.	O <sub>2</sub> A band spectroscopy and balloon borne measurement using ILAS-EM visible spectrograph
11:20 – 11:40	*Dorokhov, V. Yushkov, V.	Validation of satellite and balloon-borne ozone profile measurements above Siberia in 2003
11:40 – 12:10	(*) Yamamori, M. Murayama, Y.	Plan of validation experiment by Alaska Project ground-based instruments and ozonesonde/radiosonde campaign
	(*) Kagawa, A. Murayama, Y..	Ground-based infrared spectroscopic measurements of stratospheric trace gases over Poker Flat, Alaska (65N, 147W)
12:10 – 12:40	Randall, C. E.	Solar occultation data intercomparison and validation of ILAS II
	Shaw C.	Arctic chemical ozone depletion during the 2002-2003 winter deduced from POAM III and the SLIMCAT CTM
<b>Conclude Remarks</b>		
12:40 – 12:50	Nakajima, H.	