DRAFT AGENDA FOR ISOPEAKS WORKSHOP

MONDAY 6 October 1997

9.00–10.00 *Registration and coffee*

Session 1: Ices (Chair: A. Heras)

(Launch)

10.00 V. Claros
Welcome word

10.05 M. Kessler
Introductory remarks

10.10 P. Ehrenfreund
Ices in star forming regions: highlights from ISO, laboratory and theory (Invited)

10.40 L. d'Hendecourt
Interstellar ices: the confrontation of the laboratory approach with ISO spectroscopic results

11.00 G. Strazzulla
Comparison between astronomical and laboratory spectra of ices

11.20 **coffee**

Session 2: Ices and Molecules (Chair: Th. de Graauw)

(Launch and Early Orbit Phase)

11.50 A. Salama
Topics in SWS data analysis and calibrations (Invited)

12.20 J. Cernicharo
Physical conditions in Interstellar and Circumstellar clouds from the modelling of ISO data (Invited)

12.50 C. Wright
SWS spectroscopy of DR21

13.10 **lunch**

Session 3: Molecular clouds and PDRs (Chair: L. Metcalfe)

(Spacecraft Commisioning Phase)

14.40 M. Burgdorf
Topics in LWS data analysis and calibrations (Invited)

15.10 F. Boulanger
Mapping of H2 lines from Molecular Clouds with ISOCAM

15.30 M. Giard
Pumping of interstellar molecules by near infrared PAH photons

15.50 E. Gonzalez-Alfonso
Modelling the infrared water emission from circumstellar envelopes and molecular clouds

16.10 **coffee**

Session 4: Molecular clouds and PNe (Chair: C. Cry)

(Performance Verification Phase)

16.40 L. Metcalfe
Topics in ISOCAM spectroscopy calibration (Invited)

17.00 F. Bertoldi
ISO: a novel look at the photodissociated surfaces of molecular clouds (Invited)

17.30 C. Ceccarelli
Molecular line emission toward the protostar IRAS16293-2422

17.50 P. Cox
Mapping of the H2 rotational lines in the Helix nebula

18.10 **End of first day**

18.30 **Conference reception**

TUESDAY 7 October 1997

Session 5: PNe and HII regions (Chair: M. Barlow)

(Routine Phase part 1)

9.30 X. Liu
Ionized zones and PDRs of Planetary Nebulae (Invited)

10.00 P. Persi
ISOCAM-CVF Spectral images of selected Proto-Planetary and Planetary Nebulae

10.20 J.P. Baluteau
New ISO/LWS results on the Magellanic Clouds HII regions

10.40 J.M. van der Hulst
ISO SWS Spectroscopy of HII regions in the Magellanic Clouds

11.00 **coffee**

Session 6: Solar System (Chair: K. Leech)

(Routine Phase part 2)

11.30 U. Klaas
Topics in ISO-PHT spectroscopy calibration (Invited)

11.50 P. Abraham
PHT-S measurements of the Zodiacal Light

12.10 Th. Encrenaz
The Giant Planets as seen by ISO (Invited)

12.40 H. Feuchtgruber
Deuterium and oxygen in Giant Planets

13.00 J. Crovisier
The infrared spectrum of comet Hale-Bopp

13.20 **lunch**

Session 7: Extragalactic (Chair: U. Klaas)

(Extended Lifetime)

15.00 D. Lutz
ISO spectroscopy of luminous galaxies (Invited)

15.30 J. Fischer
Implications of the ISO-LWS spectrum of the Prototypical Ultraluminous galaxy Arp 220

15.50 M. Luhman
PDR modeling of LWS fine structure lines from Ultraluminos galaxies

16.10 S. Malhotra
FIR spectroscopy of normal galaxies

16.30 **coffee**

Session 8: Hot stars and novae (Chair: P. Morris)

(Eclipse Season)

17.00 F. Najarro
Quantative spectroscopy of Hot stars with ISO (Invited)

17.30 R. Gehrz
PHOT and SWS spectra of classical novae in outburst

17.50 A. Evans
ISO and other observations of Sakurai's object

18.10 R. Tuffs
ISOPHOT spectrophotometry of dust in SNRs

18.30 **End of second day**

WEDNESDAY 8 October 1997

Session 9: Model atmospheres and calibration (Chair: T. Lim)

(Helium Boil-off)

9.30 C. Waelkens
Flux calibration of SWS and stellar atmosphere models (Invited)

10.00 R. Kurucz
Progress on model atmospheres and line data (Invited)

10.30 M. Cohen
New tests of the common calibration context for ISO, IRTS and MSX

10.50 M. Freund
A new network of faint calibration stars from the NIRS/IRTS

11.10 **coffee**

Session 10: Stars (Chair: N. Trams)

(Post Operational Phase)

11.40 J. Hron
Dust and molecular features in the SWS spectra of C-rich AGB stars: models and observations

12.00 T. Tsuji
Confrontation of the ISO spectra with model atmospheres of M-type stars: dwarfs, giants and supergiants

12.20 T. Onaka
Time variation of SWS spectra of Oxygen rich Mira variables

12.40 R. Siebenmorgen
Discovery of a halo around Herbig Ae/Be stars

13.00 S.B. Fajardo-Acosta
Spectroscopy of Vega-type systems

13.20 **lunch**

Session 11: Workshop summary (Chair: M. Kessler)

(Legacy Archive)

15.00 M. Harwit
Review of the Workshop and general discussion (Invited)

16.00 **End of Workshop**