

THE COOL UNIVERSE: EXPLORING COSMIC DAWN

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In preparation for ALMA, the International Astronomical Observatories in Chile (IAOC) organised a conference on the topic of the cool universe. The conference was hosted by the Universidad Tecnica Federico Santa Maria (UTFSM) in the beautiful Chilean port city of Valparaiso from 4 to 8 October 2004 and was jointly supported by ESO, CTIO, LCO, Gemini, NRAO and NAOJ.

There were about 70 participants, of which 10 were students from countries in Latin America and 10 were students from the host university. We were extremely happy to be hosted by the UTFSM, where many of the technicians and engineers working at the astronomical observatories in Chile have been trained. This is a beautiful campus, from where one has clear views of the Pacific Ocean and Valparaiso. By chance, during this same week, the UTFSM opened its doors to young scholars from colleges in the area to visit and tour the campus. Therefore, we set up exhibitions about ESO and ALMA, and one of our SOC members, Dr. G. Garay from U. Chile, gave a public talk at the end of the Workshop.

In order to prepare the astronomical community in Chile for ALMA, we chose to organize the conference on the topic of the

cool universe, which as everyone knows will provide key targets for ALMA! A broad range of astronomical topics were covered, from star-forming, primordial galaxies to star formation and the formation of disks and planets.

After a kind welcome given by Dr. O. Espinosa, Head of Physics Department at UTFSM, we started with a tutorial by Dr. M. Guelin, about observing in the millimeter domain and deriving physical information about the observed targets. The early universe was reviewed in two talks, by Dr. D. Spergel (CMB) and Dr. C. Carilli (epoch of re-ionization, galaxy formation, ...). Emission processes in the interstellar matter were discussed and colorfully presented by Dr. P. Ho, while the fate of dust particles was discussed by Dr. E. Dartois. All the activities related to the path from molecular clouds to stars and chemical enrichment were discussed by Dr. L. F. Rodriguez, Dr. J. Cernicharo and Dr. D. Mardones. Back to some cosmological relevance, Dr. A. Wolfe discussed the properties of the ISM as a function of redshift. Finally, protoplanetary and related discs were discussed by Dr. F. Menard. After each review, oral contributions on the topic were made. The last day was devoted to more technical aspects, start-

ing with a review by Dr. M. Rubio, of all astronomical facilities on the Chajnantor plateau (the site of ALMA), either existing, in construction or in planning. Then, a detailed presentation was made of each of the facilities. Posters on different subjects discussed at the Workshop were presented as well. The concluding remarks of the Workshop were kindly given by Dr. T. Geballe.

During the conference, there were interviews with local newspapers and radio stations, a delicious cocktail (in spite of the rather cold and grey weather), "mariscos", a Chilean delicacy, and walks in the amazing city of Valparaiso with its "escaleras", "ascensores", flowers, cats and colorful houses. The foreshore of Valparaiso was the site of the workshop dinner where we also enjoyed South American music, dancing and a wonderful display of pictures taken during the Workshop.

We hope that more young astronomers will join the millimeter fan club and start considering ALMA as a near reality and not as a distant project! Many thanks to our host, the UTFSM, to the IAOC sponsoring organisations and to all the SOC/LOC members and staff who helped with the preparation of the Workshop.

THE "VENUS TRANSIT EXPERIENCE"

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On November 5-7, 2004, an unusual conference took place at the French Ministry of Research in Paris. Entitled the "Venus Transit Experience", this meeting was organised by the VT-2004 International Steering Committee (ISC) and the local arrangements were ably taken care of by the staff of the IMCCE and the Observatoire de Paris, with Jean-Eudes Arlot and William Thuillot at the helm. It brought together more than 150 persons connected to the VT-2004 programme. The aim was to sum up the vast experience gained through this unique public education programme and, in particular, to perform an evaluation of its many components. On the first day, more than 50 students from the Paris areas who participated actively in this programme were also present.

The meeting was opened by the Directrice de la Recherche, Mme Elisabeth Giacobino, on behalf of the French Minister of Research, as well as Mr. Bernard Leroy, from the CNRS, on behalf of the Director General of the National Institute of the Sciences of the Universe (INSU, CNRS). Following an overview of the VT-2004 programme by ISC members with the presentation of some of the highlights, a lecture by famous astrophysicist and populariser



The lecture by famous astrophysicist and populariser Hubert Reeves was followed with great attention.

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