



PRESS RELEASE

Annular Solar Eclipse in the IPv6 Sky

Madrid, October 1st, 2005 – The next Solar Annular Eclipse will be broadcasted live using IPv6 connectivity from Madrid, October 3rd. The collaboration among Japan and Spain will make this event available worldwide.

The past September 22nd autumn started, and just a few days afterwards, this astronomic phenomenon, will be visible from a few places in the world, being Madrid (Spain) one of those privileged locations.

The event, taking place on October 3rd, is an annular solar eclipse (over 90% occultation), with an approximate duration of 4 minutes and 11 seconds (which is longer than in previous occasions), which will start to be visible at 10:55 (Madrid local time). The partial eclipse will start at 9:40 and end at 12:23.

To made this globally available, the LIVE! ECLIPSE 2005 Annular project, from the Japanese organization LIVE! UNIVERSE, will join efforts with two Spanish organizations, Consulintel and RedIRIS.

The infrastructure setup for this event will allow the webcasting of multiple video streams via Internet, in low, medium and very high definition (up to 33 Mbps). The higher quality broadcasting will be done with IPv6 multicast and unicast. However, lower and medium resolution streams will be also offered with IPv4 unicast and multicast.

The complete information about how to access to the live event via Internet, is available at several web sites: IPv6 Task Force (<http://www.ipv6tf.org>), RedIRIS (<http://www.rediris.es>) and LIVE! ECLIPSE (<http://www.live-eclipse.org>). Furthermore, after the event, there will be recordings for video on demand service, on the same web sites.

Masami Okyudo, chairman of LIVE! UNIVERSE said “Our aim is to contribute to society by presenting the phenomena and events in astronomy and space science around the globe via various networks”.

Jordi Palet, CEO of Consulintel, one of the local organizers, indicated “This fantastic event provides a mean to further demonstrate the capabilities of IPv6, the new Internet Protocol. For example is much more simple to setup all the network configuration and use multicast with IPv6 than with IPv4, and indeed we expect that IPv6 multicast will be a key technology all around the world, as it is already happening in Japan”.

Esther Robles, head of the network area in RedIRIS, said “We are delighted to provide our advanced and high speed infrastructure for the worldwide distribution of this event. Our mission is to keep RedIRIS at the forefront of network technology developments. We have been offering native IPv6 support in dual-stack to the Spanish research community since 2003. The IPv6 transmission of this event shows the maturity of this technology at RedIRIS.”

About LIVE! UNIVERSE:

LIVE! UNIVERSE is a non-profit organization, which broadcasts astronomical phenomena such as solar eclipse via the Internet from all over the world. The web sites are always provided in more than 2 languages including Japanese and English, and have presented astronomical phenomena to the world as one of the entertainments. The main backbone is the large scale networks of individual volunteers and industry-government-academia organizations. The web contents are used in distance learning at school education or astronomical observatories. For more information about LIVE! UNIVERSE, visit <http://www.live-universe.org>.



About Consulintel:

Consulintel is a system integrator and consultant, and also provides other networking and related services to enterprises, ISPs and telecom operators. Consulintel has participated in numerous R&D projects mainly related to IPv6, and is one of the few expert companies on this field in the world. Consulintel also host an IPv6 portal, which is the reference for any related information (<http://www.ipv6tf.org>).

About RedIRIS:

RedIRIS is the Spanish National Academic and Research Network, funded by the National Plan for R&D, and managed by the Entidad Pública Empresarial Red.es (<http://www.red.es>), a public entity in charge of promoting Information Society in Spain. Since 1988, RedIRIS has provided network infrastructure to Spanish R&D institutions. The number of institutions connected – mainly universities and R&D centres - has increased continuously and now stands at about 250. The [services](#) offered by RedIRIS are provided in collaboration with other [academic networks](#) through the pan-European network GÉANT2 (<http://www.geant2.net>). For more information, visit <http://www.rediris.es>.

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