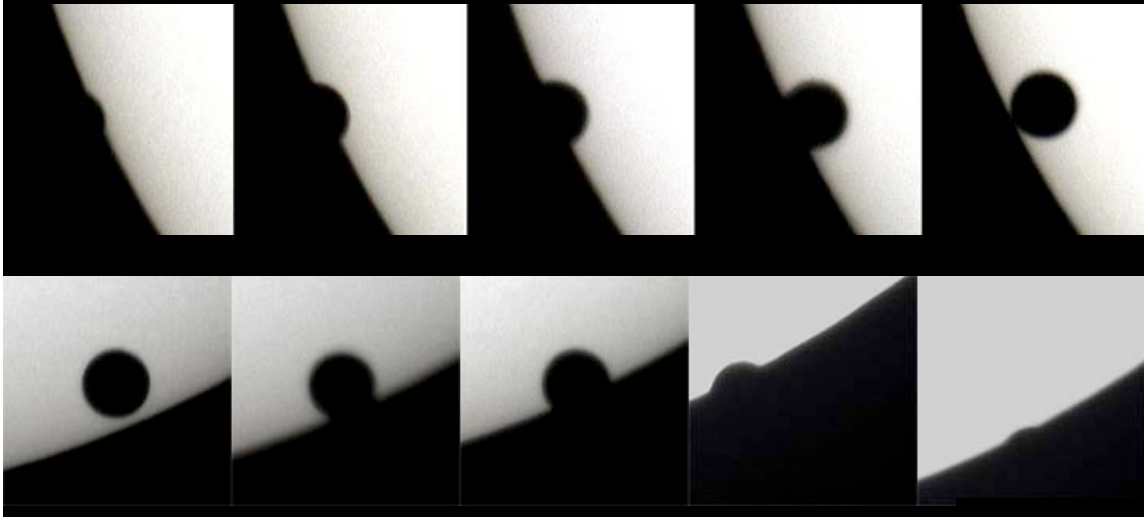




in Norway



VENUS - PHASES DURING SPRING 2004
All images have the same scale



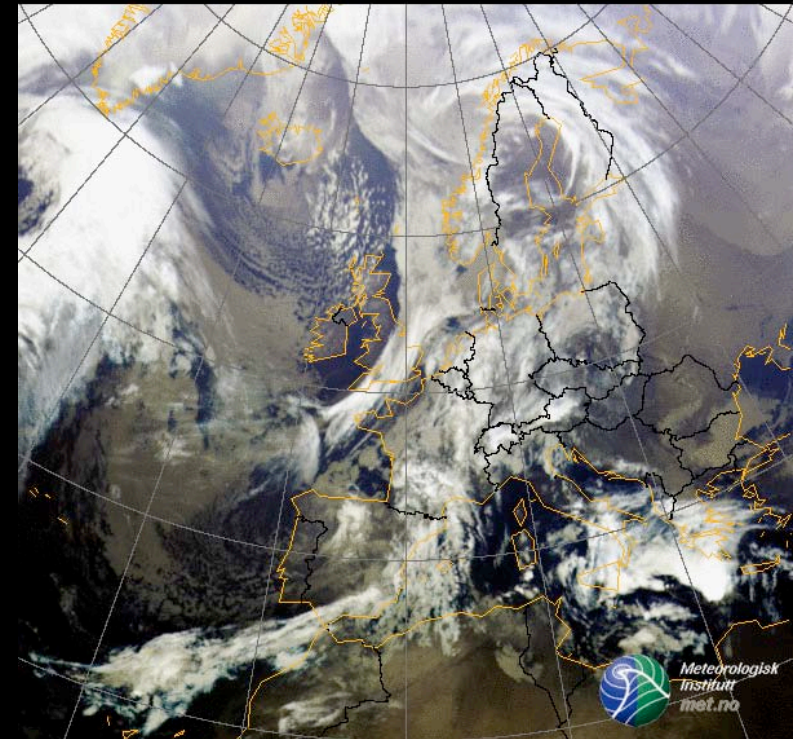
The event was webcasted with images of high quality (full disk, partial disk, H-alpha) from 14 different locations/cameras:

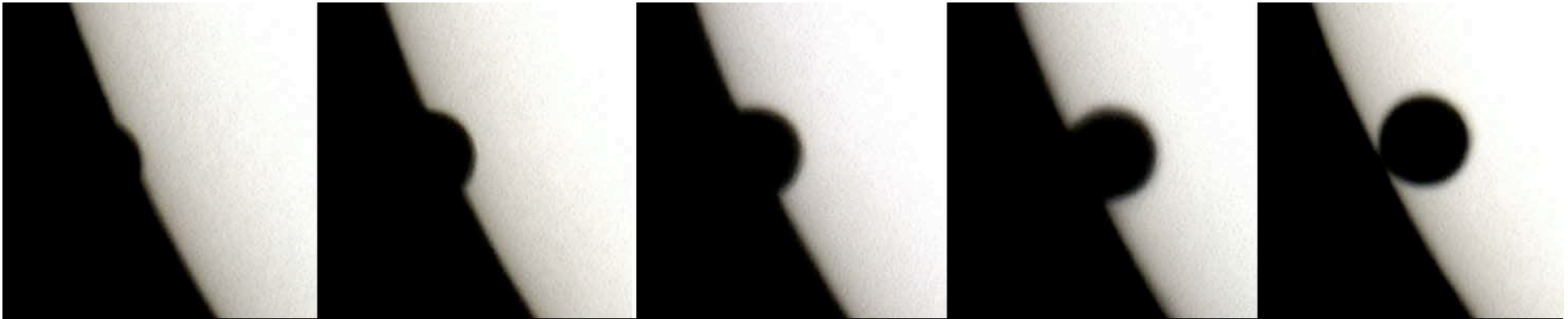
- Longyearbyen (Spitsbergen) – probably the northernmost observations of this transit. Photo: Gilles Dodray, France
- Bodø. Photo: Bodø Astronomical Association, Erlend Løkaas, Eivind Nilssen, Thor Eldby
- Trondheim: 3 groups (Stein O. Wasbø, Brynjar Berg, Kai Rune Berg)
- Bergen. Photo: Roar Inge Hansen
- Oslo: 3 cameras (Carsten Arnholm, Andreas Øverland, Carsten Arnholm)
- Horten. Photo: Tore Rolf Lund
- Air plane: 2 cameras. Photo: Arne Danielsen, Geir Hagabråten
- La Palma (Swedish Solar Telescope)
- SOHO

Live webcasts

Meteosat 8 Europa IR (channels 9 10 11)

Thu Nov 4 07:00 CST 2004





From the webcast: First contact (07:19:06 CET) and second contact (07:38:49 CET) in Trondheim. Photo: Brynjar Berg



Venus exits the solar disk. The pictures were taken in Trondheim by Brynjar Berg.

The sites www.astronomi.no and www.astronomy.no had 9.1 million page requests on June 8. In addition many people watched the Norwegian images on mirror sites (i.e. ESO, SOHO/NASA)

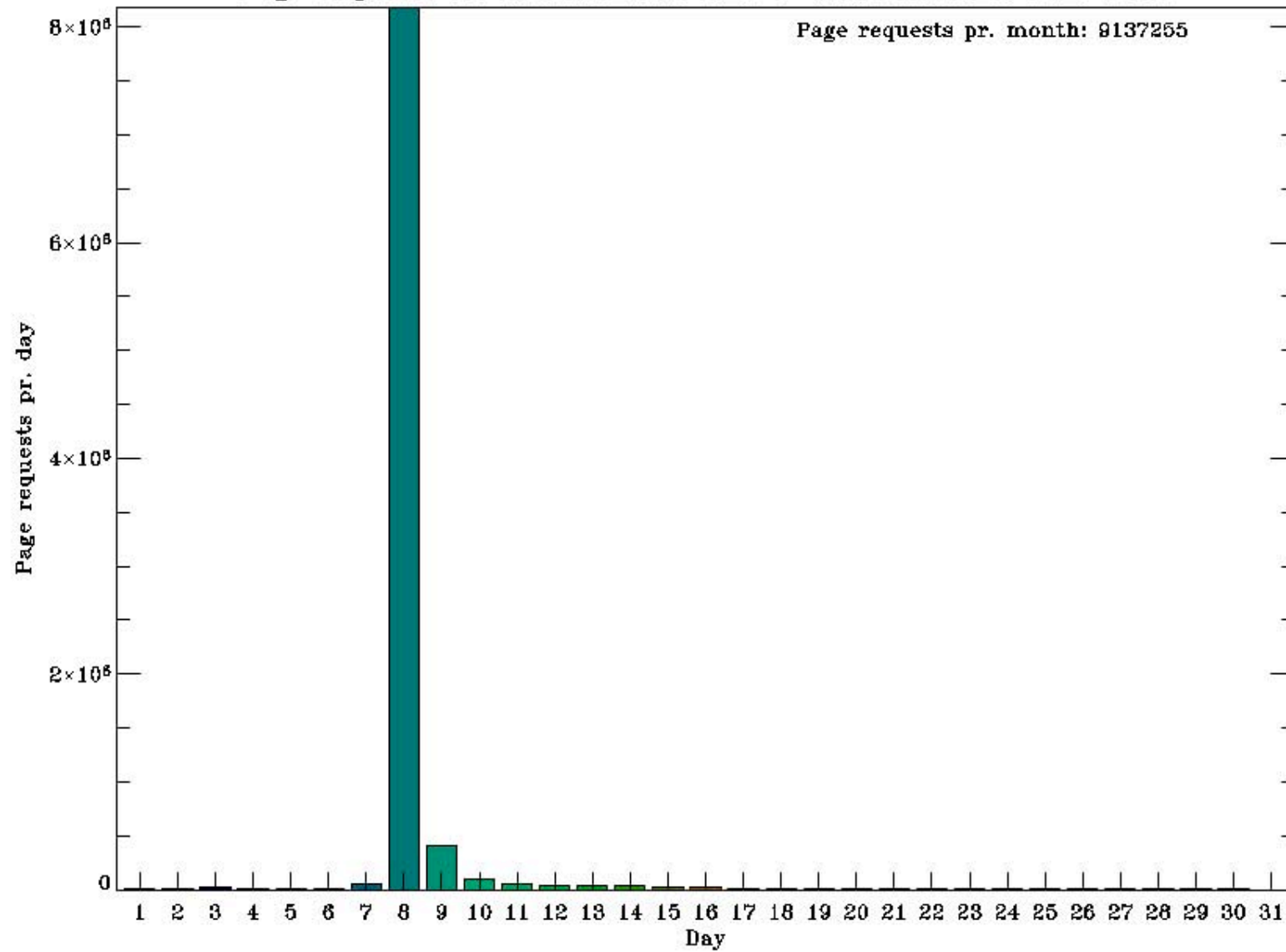
Live webcasts using web cameras



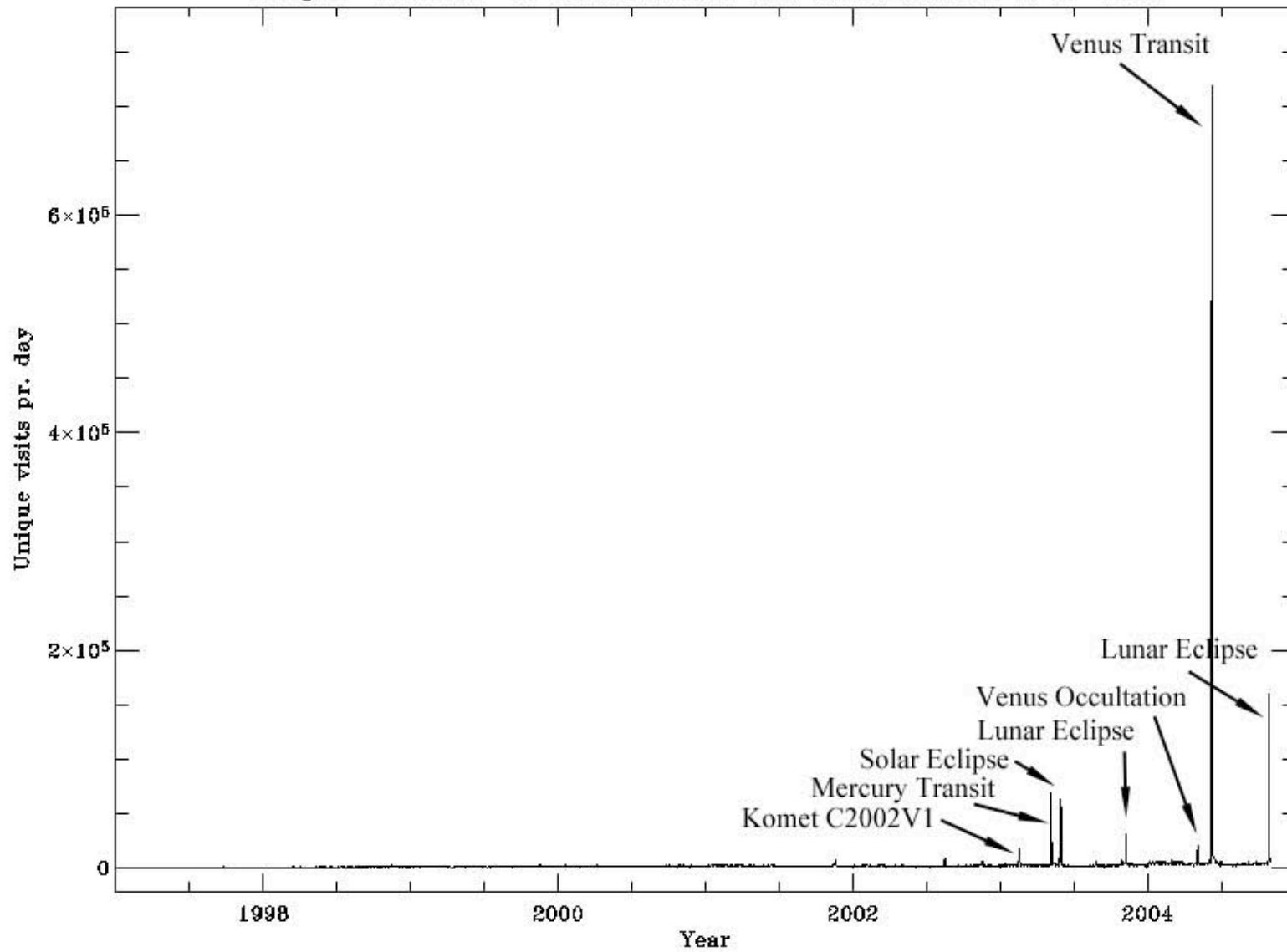
Webcam adapted for astrophoto



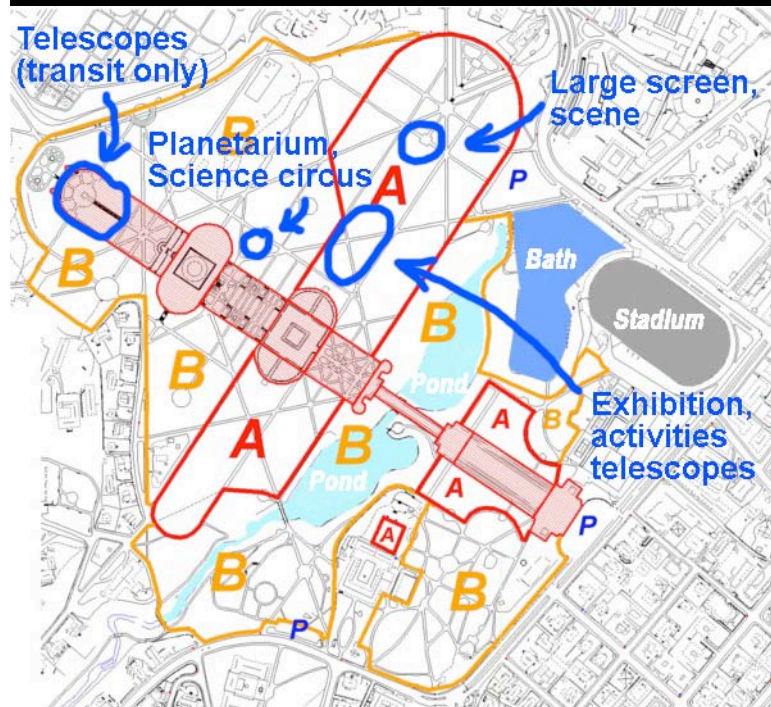
Page requests for astronomi.no and www.astro.uio.no, June 2004



Unique visits for www.astro.uio.no and astronomi.no 1997-2004



Big public event in the Frogner Park in Oslo



The public event covered a huge area in the Frogner Park in Oslo



A huge video screen displaying live images from 14 different locations.



Main elements

- Huge video screen (40 m²) showing the transit live from several locations in Norway etc.
- Numerous activities and exhibitions, from science and engineering. About 40 organisations participated, planetarium
- Concert and national activities on the evening of June 7.
- Astronomical material for sale and distribution: Eclipse shades, posters, special magazine, meteorites etc.
- More than 40 telescopes in use for the public
- June 8, 2pm: National prize ceremony for best research project for young school children with minister of science and education



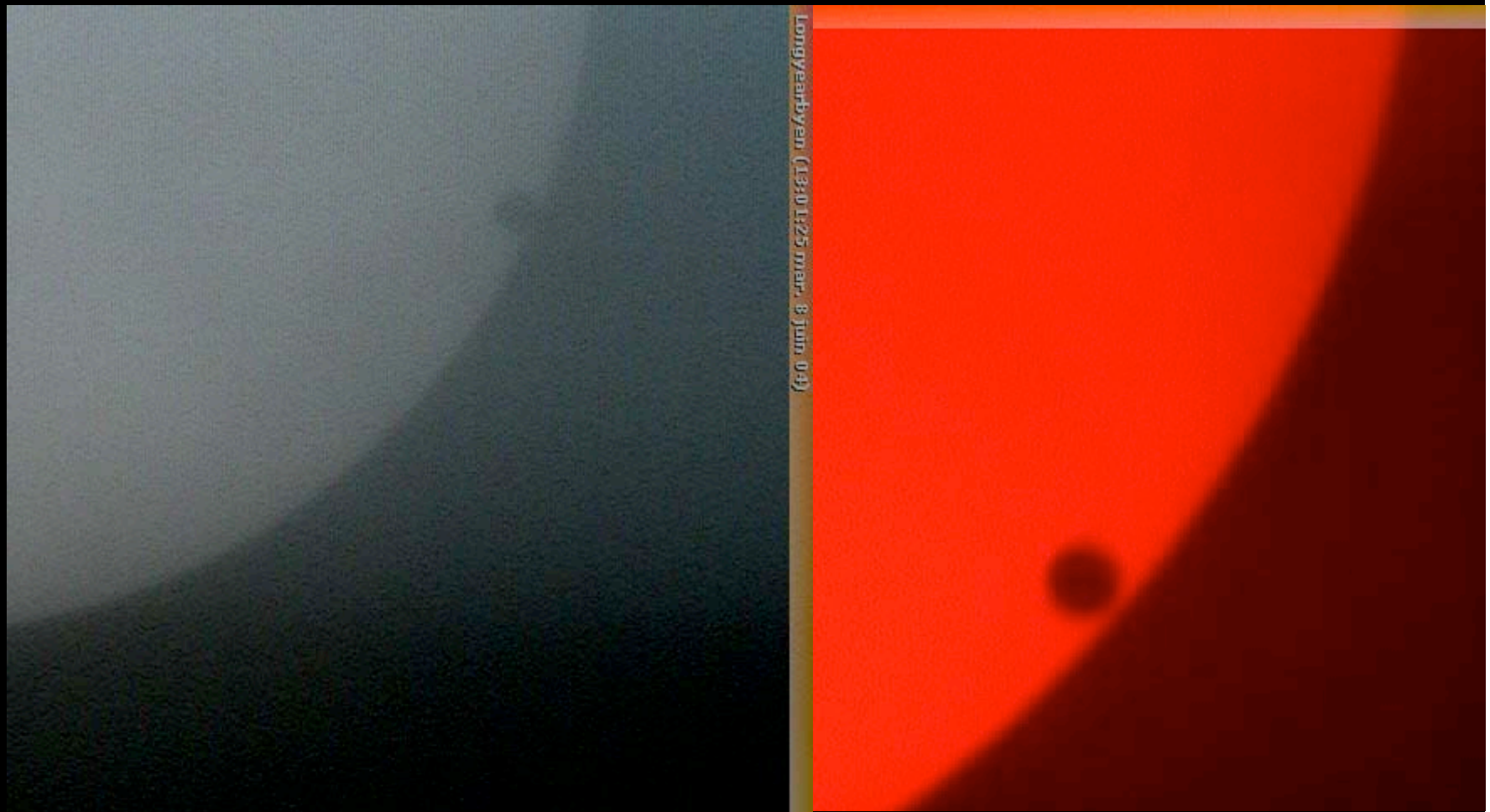
At least 20 000 – 30 000 people did visit the event on June 8.



Media and the transit



Live coverage on TV and radio of the event. The event received more attention in media than any other astronomical event in modern times.



Parallax effect on third contact. Simultaneous images from Longyearbyen on Svalbard (left) where third contact occurred at 13:01:21 and Horten (right) where third contact occurred at 13:02:54.

Venus Transit June 08 2004
Exit Phase

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B. Engebretsen



Venus Transit June 8, 2004 - Carsten Arnholtz, Norway





Results

- People have become more interested in science and nature
- Media have more stories about science and nature
- Public and commercial organisations have become more positive to support science / outreach projects

Organisers: Institute of Theoretical Astrophysics, University of Oslo, the Norwegian Astronomical Society, Nysgjerrigper

Main sponsors: The research Council of Norway, The faculty of Mathematics and Natural Sciences, University of, Oslo, ESO