

# Introduction

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The videotape described herein is produced specifically for broadcast use. It features the latest news from ESO, in particular its Very Large Telescope Array (VLT). It is accompanied by detailed, written information, including a shot list. There is no sound.

This issue of the ESO News Reel series contains a selection of video sequences of the best astronomical images, obtained in particular with

- the FORS and ISAAC instruments on the ESO Very Large Telescope at the Paranal Observatory
- the Wide-Field Imager on the ESO/MPI 2.2-m Telescope at the La Silla Observatory
- the SOFI instrument on the ESO 3.5-m New Technology Telescope at the La Silla Observatory

ESO News Reels are available on VHS, Betacam SP and MII. The footage is free to air\*, if credit is given to the European Southern Observatory (© 2000).

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Further background information at  
<http://www.eso.org/outreach/gallery/astro/>

\* please see the section "Conditions for Use of ESO Video Footage"

## Shot List

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00:00:00:00-00:00:45:00	COLOUR BAR
00:00:45:01-00:00:50:00	BLACK
00:00:50:01-00:01:00:00	TABLE: VNR 11
00:01:00:01-00:01:01:01	BLACK
00:01:01:02-00:01:10:00	TABLE: VIDEOSEQUENCES OF ASTRONOMICAL IMAGES
00:01:10:01-00:01:11:00	BLACK
00:01:11:01-00:01:16:00	TABLE: SPIRAL GALAXIES
00:01:16:01-00:01:54:00	NGC 1232 TABLE AND IMAGES
00:01:54:01-00:02:22:00	NGC 2997 (PART) TABLE AND IMAGES
00:02:22:01-00:03:00:00	NGC 1365 TABLE AND IMAGES
00:03:00:01-00:03:38:00	MESSIER 83 TABLE AND IMAGES
00:03:38:01-00:04:16:00	NGC 4945 TABLE AND IMAGES
00:04:16:01-00:04:21:00	DOUBLE/MULTIPLE GALAXIES TABLE
00:04:21:01-00:04:59:00	NGC 5090+5091 TABLE AND IMAGES
00:04:59:01-00:05:27:00	NGC 6872 + IC 4970 TABLE AND IMAGES
00:05:27:01-00:05:32:00	TABLE: PECULIAR GALAXIES
00:05:32:01-00:06:10:00	ESO 202-23 (CENTER) TABLE AND IMAGES
00:06:10:01-00:06:48:00	SOMBRERO GALAXY, MESSIER 104 TABLE AND IMAGES
00:06:48:01-00:06:53:00	TABLE: NEARBY GALAXIES
00:06:53:01-00:07:31:00	CENTAURUS A TABLE AND IMAGES
00:07:31:01-00:07:36:00	TABLE: GALAXY CLUSTERS
00:07:36:01-00:08:14:00	CL2244-02 TABLE AND IMAGES
00:08:14:01-00:08:52:00	ABELL 370 TABLE AND IMAGES
00:08:52:01-00:09:20:00	1ESO657-558 TABLE AND IMAGES
00:09:20:01-00:09:58:00	ACO 3627 TABLE AND IMAGES
00:09:58:01-00:10:03:00	TABLE: NEBULAE
00:10:03:01-00:11:01:00	THE 'DUMBELL', MESSIER 27-NGC 6853 TABLE AND IMAGES
00:11:01:01-00:11:59:00	ORION NEBULA TABLE AND IMAGES
00:11:59:01-00:12:37:00	RCW38 TABLE AND IMAGES
00:12:37:01-00:13:15:00	NGC 1850 IN THE LMC TABLE AND IMAGES
00:13:15:01-00:13:53:00	CHA I COMPLEX TABLE AND IMAGES
00:13:53:01-00:14:21:00	NGC 3603 REGION TABLE AND IMAGES
00:14:21:01-00:14:59:00	TARANTULA NEBULA IN LMC TABLE AND IMAGES
00:14:59:01-00:15:37:00	HH-34 NEBULA AND JETS TABLE AND IMAGES
00:15:37:01-00:16:25:00	N 70 NEBULA IN LMC TABLE AND IMAGES
00:16:25:01-00:17:13:00	CRAB NEBULA TABLE AND IMAGES
00:17:13:01-00:18:19:00	RCW 108 TABLE AND IMAGES

## Shot List

00:18:19:01-00:18:57:00 R CORONAE AUSTRALIS TABLE AND IMAGES  
00:18:57:01-00:19:35:00 N44 TABLE AND IMAGES  
00:19:35:01-00:20:13:00 N119 TABLE AND IMAGES  
00:20:13:01-00:20:18:00 TABLE: STAR CLUSTERS  
00:20:18:01-00:20:46:00 NGC 3603 TABLE AND IMAGES  
00:20:46:01-00:21:14:00 NGC 1261 TABLE AND IMAGES  
00:21:14:01-00:21:19:00 TABLE: COSMOLOGY  
00:21:19:01-00:21:47:00 FORS DEEP FIELD TABLE AND IMAGES  
00:21:47:01-00:21:52:00 TABLE: THE SOLAR SYSTEM  
00:21:52:01-00:22:40:00 THE WANING MOON TABLE AND IMAGES  
00:22:40:01-00:22:41:00 BLACK  
00:22:41:01-00:22:51:00 WEBSITE INFORMATION TABLE  
00:22:51:01-00:22:52:00 BLACK  
00:22:52:01-00:22:58:00 COPYRIGHT

# Shot List

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# ESO – Europe’s Organisation for Astronomy

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ESO, the European Southern Observatory, is an intergovernmental organisation supported by Belgium, Denmark, France, Germany, Italy, the Netherlands, Portugal, Sweden and Switzerland. Several other countries have expressed a strong interest in joining ESO.

ESO was founded in 1962 to establish and operate an astronomical observatory in the southern hemisphere and to promote and organise co-operation in astronomical research in Europe. Since its foundation, ESO has evolved into a driving force in European astronomy, taking over tasks and assignments that were beyond the capabilities of the individual member countries.

The first ESO observatory was constructed at Cerro La Silla in the Atacama desert, approx. 600 km north of Santiago de Chile. It is one of the largest and best equipped observatories in the world.

ESO’s primary facility is the Very Large Telescope (VLT). It consists of an array of gigantic telescopes. The VLT Observatory is located at Cerro Paranal in the driest part of the Atacama desert, where conditions for astronomical observations are truly outstanding.

The first of the VLT Unit Telescopes (the Antu Telescope) saw ‘First Light’ in 1998, the last of the giant telescopes (Yepun) on September 3, 2000. With all the telescopes working simultaneously, the VLT is the largest optical telescope in the world. One of its most exciting features is the possibility to combine the light from the telescopes and thus to use it as a giant optical interferometer (VLTI). Phasing in of the VLTI will begin in 2001.

Since 1980, the ESO Headquarters are situated in Garching, north of Munich, Germany. It also houses the European Coordinating Centre for the Hubble Space Telescope (ST/ECF), operated jointly by ESO and ESA, the European Space Agency.

Every year, thousands of astronomers carry out research using data collected at the ESO observatories. The results of their work are published in several hundreds of scientific articles each year. ESO also maintains a vigorous programme of international conferences with themes from front-line astronomical science and technology.

ESO has an extensive programme for Fellows (young astronomers with a Ph.D. degree) and Students. Senior scientists from the member states and other countries work during a shorter or longer time as Visiting Scientists at the ESO sites.

In order to provide the users with progressively better astronomical telescopes and instruments, ESO co-operates closely with a large number of European high-tech industries and maintains close connections with many research groups at university institutes in the member countries and beyond.

# Conditions for use of ESO Video Footage

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