

Script for ESOcast Light 99: ALMA Sheds Light on the First Stars

ESOcast Light 99: ALMA Sheds Light on the First Stars	
[Visual starts] New ESOcast intro	New ESOcast introduction Incl ESO logo
Title: ALMA Sheds Light on the First Stars	
ALMA has detected a large mass of glowing stardust far away, in one of the most distant galaxies ever observed.	Zoom-in to distant young galaxy A2744_YD4
The galaxy was seen when the Universe was only 600 million years old.	
Astronomers were surprised to find so much dust in such a youthful galaxy — weighing as much as 6 million Suns!	ALMA, timelapse
To date, this is the most distant galaxy in which dust has been detected.	
Dust is a vital ingredient to form stars, planets and complex molecules. It's forged in dying stars — in particular in dramatic supernova explosions.	Computer animation of distant young galaxy A2744_YD4
This new ALMA result provides insights into the explosive deaths of the very first stars.	
00:00 [Outro]	<i>Produced by ESO, the European Southern Observatory.</i>

Reaching new heights in Astronomy.

ALMA boilerplate slide