

Script for ESOcast Light 228: ALMA Sees Most Distant Milky Way Look-alike

ESOcast Light 228	
[Visual starts]	
New ESOcast intro	New ESOcast introduction
Title: ALMA Sees Most Distant Milky Way Look-alike	
1. ALMA has revealed the most distant galaxy that looks surprisingly like our Milky Way.	
2. The galaxy is so far away that its light has taken more than 12 billion years to reach us... ...so we see it as it was when the Universe was just 1.4 billion years old.	
3. ALMA observations of this very distant galaxy were made possible by using a nearby galaxy as a powerful magnifying lens .	
4. Observations revealed the distant galaxy was surprisingly structured , with a central bulge like the Milky Way... ... the first time this has been seen so early in the Universe.	
5. This unexpected result challenges our understanding of how galaxies formgiving new insights into the past of our Universe.	
00:00 [Outro]	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>

