

Script for ESOcast Light 234: Most Distant Radio-Loud Quasar Discovered

ESOcast Light 234	
[Visual starts] New ESOcast intro	New ESOcast introduction
Title: Most Distant Radio-Loud Quasar Discovered	
1. ESO's Very Large Telescope has contributed to the discovery of the most distant quasar with powerful radio jets .	
2. Quasars are very bright objects at the centre of some galaxies that are powered by supermassive black holes .	
3. The newly discovered quasar, P172+18, is so distant that light from it has travelled about 13 billion years to reach us... ...we see it as it was when the Universe was just 780 million years old.	
4. While more distant quasars have been discovered, P172+18 is the furthest with powerful jets which shine brightly at radio wavelengthsonly about 10% of quasars have such jets and are called "radio-loud" quasars.	
5. Studying radio-loud quasars can provide important insights into how early Universe black holes grew to supermassive sizes so quickly after the Big Bang.	
[Outro]	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>

