



In our search for a solution to the puzzle of distant starlight within this young cosmos, and how it is we can see stars that are billions of light years away, I have three words for you:

# Gravitational Time Dilation

What this new cosmology shows is that gravitational time dilation in the early universe would have meant that while a few days were passing on earth, billions of years would have been available for the light to travel to earth (i.e., the whole universe) in six ordinary days, only a few thousand years ago. But with the reality revealed by general relativity, we now know that we have to ask, "Six days measured by which clock?" In which frame of reference? The mathematics of this new theory shows that while God makes the universe in six days in the earth's reference frame (earth standard time, if you like), the light has ample time in the extra-terrestrial reference frame to travel the required distances.

None of these timeframes can be said to be "God's time" since the Creator, who sees the end from the beginning is outside of time. Time is a created feature of His universe, like matter and space. It is interesting that the equations of general relativity have long indicated that time itself had a beginning.