

Has the Brightness of Distant Super Novae Reduced in the past 6-7 Decades?

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1. If the galaxies are receding from each other, as per the general relativistic metric expansion of space, then the 'inverse-square-law of brightness of light' predicts that brightness of distant super novae should go on decreasing with time. And in the past six-seven decades after Hubble, astronomers should have noticed some reduction in the brightness of distant super novae.
2. In addition to that, the reduction in amplitude of the waves of light with time, should also cause some additional red-shift; depending upon the *rate* at which the brightness is reducing.
3. Has such reduction in brightness, and additional red-shift proportional to the rate of reduction of brightness, been noticed? If not, then it is quite possible that the universe may not be expanding!