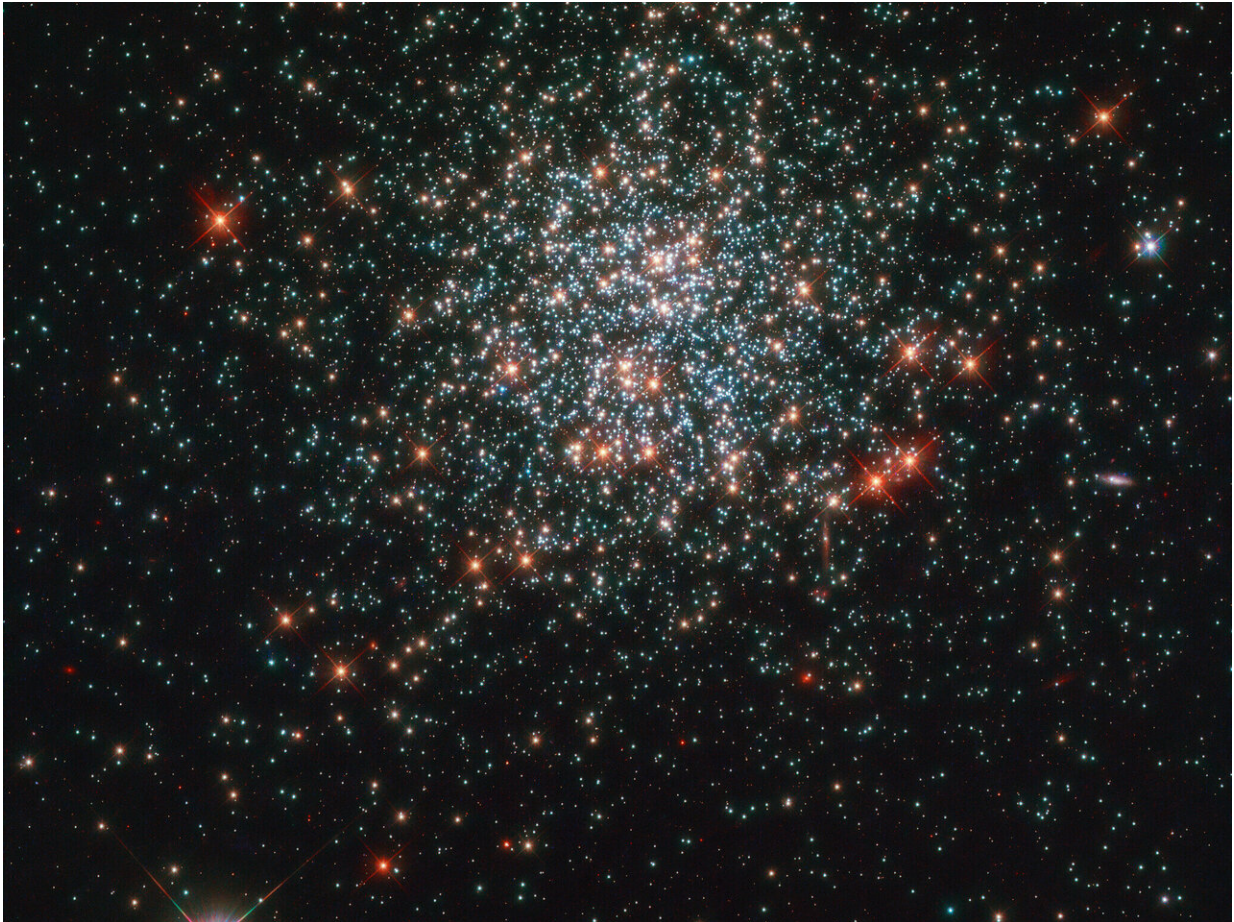


# Hubble peeks at stellar treats

August 3 2020, by Rob Garner

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Credit: ESA/Hubble & NASA, L. Girardi

Looking its best ever is the star cluster NGC 2203, here imaged by the NASA/ESA Hubble Space Telescope. Aside from its dazzling good looks, this cluster of stars contains lots of astronomical treats that have

helped astronomers puzzle together the lifetimes of stars.

A main-sequence star is a star in the longest period of its life, when it burns fuel steadily like the sun. Our sun's [fuel](#) will run out in approximately 6 billion years, and it will then move on to the next stage of its life when it becomes a red giant. Astronomers studying NGC 2203, which contains stars that are roughly twice as massive as our sun, found that [rotation rates](#) might be a factor as to why some of the stars stay longer than usual in this main-sequence phase of their life.

Provided by NASA's Goddard Space Flight Center

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