Fun Facts:

**Alpha 1 Cap**

* **Computer Code:** alphacap
* **Other Names:**
  + Alpha Capricorni
  + Prima Giedi
  + Algiedi Prima
  + Algedi (from Arabic meaning the “billy goat” or “kid”)
  + The “Second Star of the Ox” in Chinese
* **Location:**
  + RA: 20h 18m 6s
  + Dec: -12⁰ 27’ 0”
* **Basics:**
  + This is 4th magnitude optical double star in the constellation Capricorn. They look close together, but they are not actually related to each other.
  + Both are rich, yellowish-orange
  + Temperatures for both are around 8,500⁰ F, similar to our Sun
  + Both have stopped fusing hydrogen in their cores and are preparing to fuse their internal helium to carbon.
* **Alpha 1 Cap**
  + G3, evolved yellow supergiant
  + 690 light years away (light traveling since the dark ages of the 1300s)
  + 8700⁰ F
  + Luminosity: 930 Suns, 176 Suns total
  + Diameter: 40 Suns (and 5x bigger than Alpha 2 Cap)
  + Mass: 5 solar masses
* **Alpha 2 Cap**
  + G8, yellow giant
  + 109 light years away (light traveling since early 1900s)
  + 8050⁰ F
  + Luminosity: 43 Suns visual, 48 Suns total
  + Diameter: 8 Suns
  + Mass: 2.5 solar masses