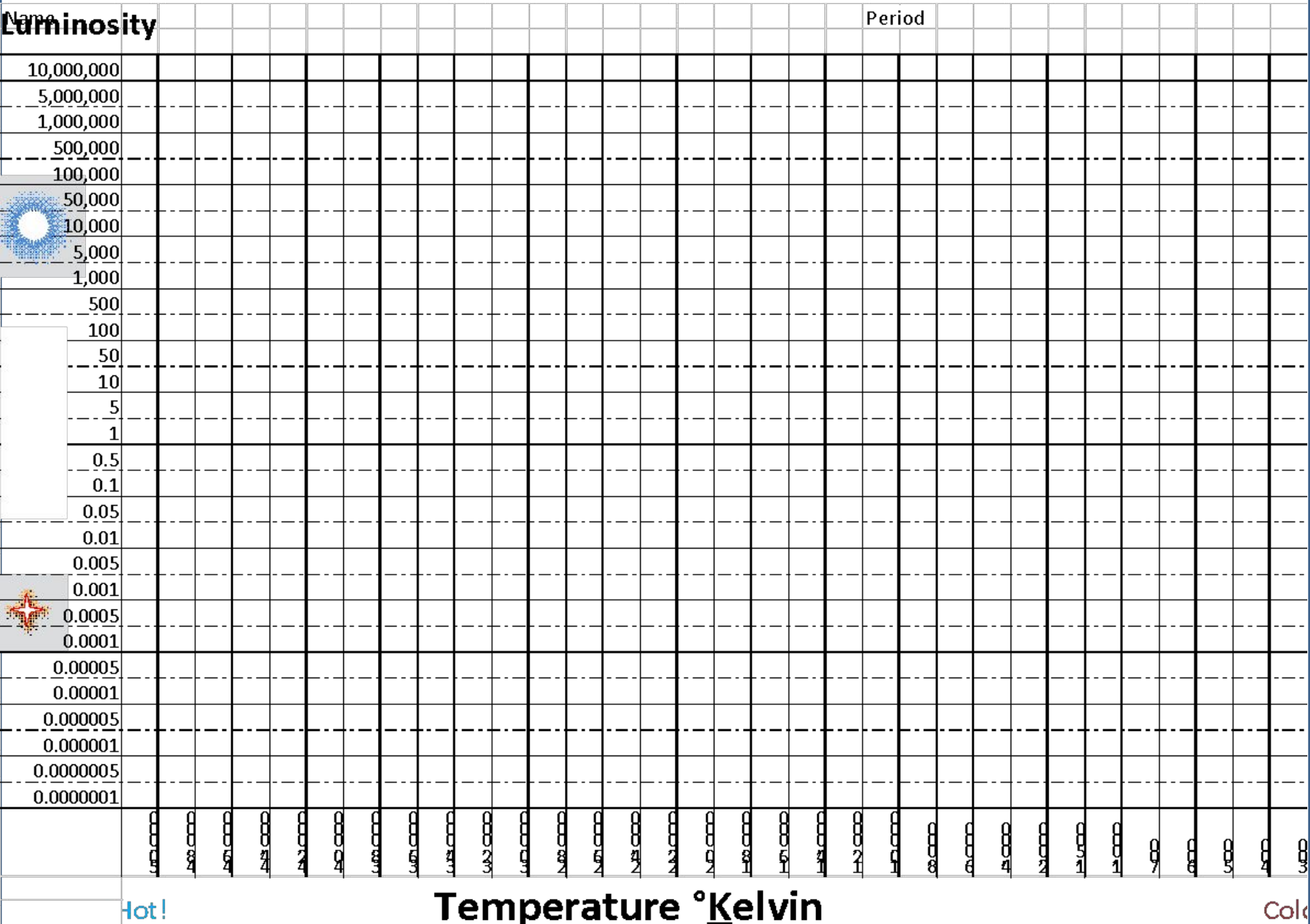


HR Diagram lab



Name

Period



Hot!

Temperature °Kelvin

Cold

Star: Sun

Distance from Earth: 8.3 light-minutes

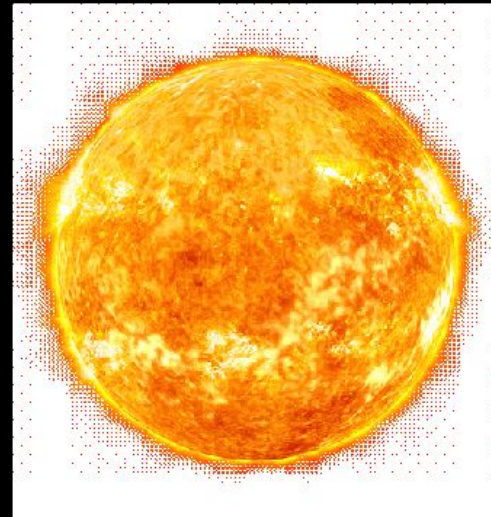
Color: yellow

Temperature in Kelvin: 5,800

Star's Class: main sequence

Diameter: 1

Luminosity: 1



Star: Betelgeuse

Distance from Earth: 325 lightyears

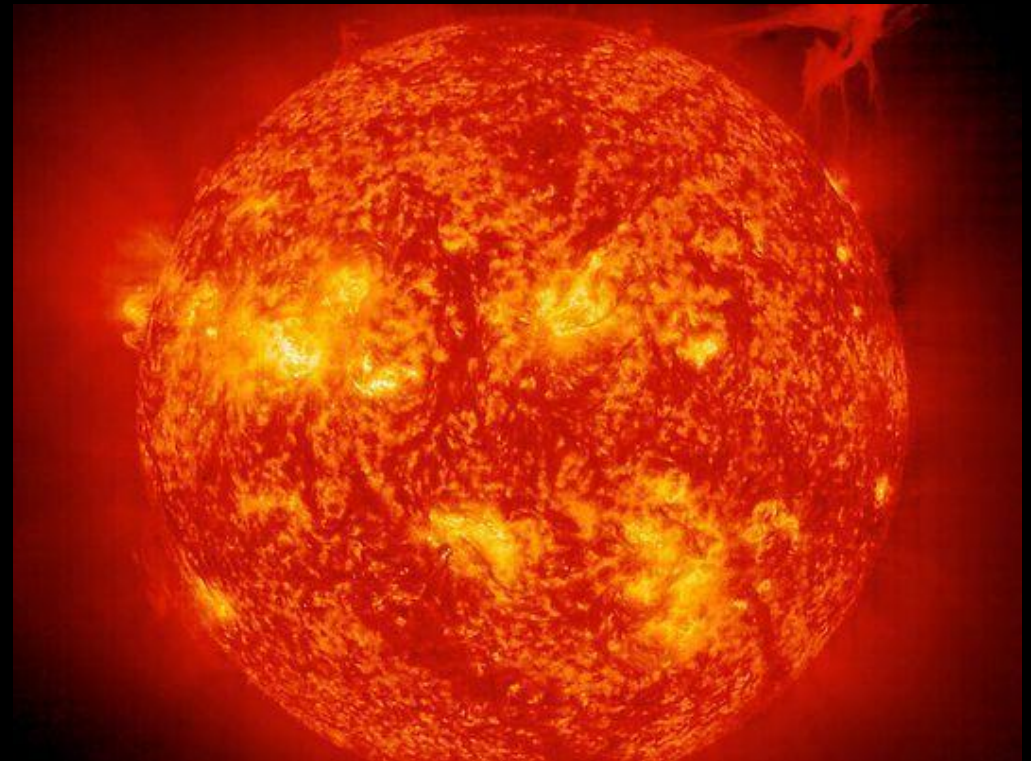
Color: red

Temperature in Kelvin: 3,400

Star's Class: supergiant

Diameter: 265 suns

Luminosity: 5,000



Star: Sirius A

Distance from Earth: 9 lightyears

Color: white

Temperature in Kelvin: 9,700

Star's Class: main sequence

Diameter: 2 suns

Luminosity: 21 suns



Star: Castor

Distance from Earth: 47 lightyears

Color: blue-white

Temperature in Kelvin: 9,300

Star's Class: main sequence

Diameter: 2 suns

Luminosity: 28 sun



Star: Pollux

Distance from Earth: 35 light years

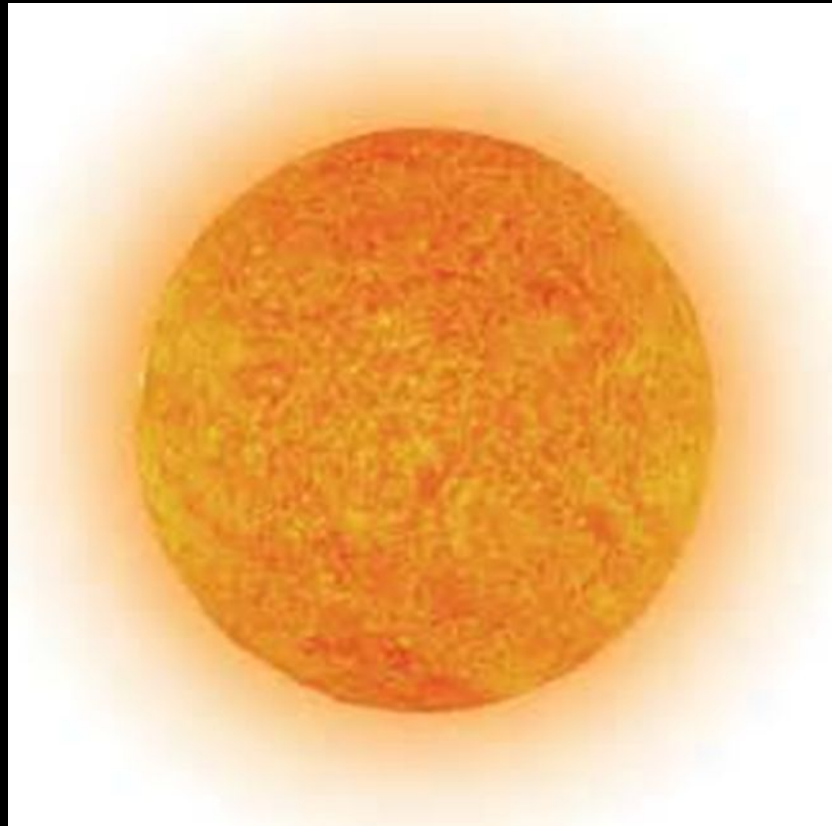
Color: orange

Temperature in Kelvin: 4,900

Star's Class: giant

Diameter: 9 suns

Luminosity: 32 suns



Star: Rigel

Distance from Earth: 910 lightyears

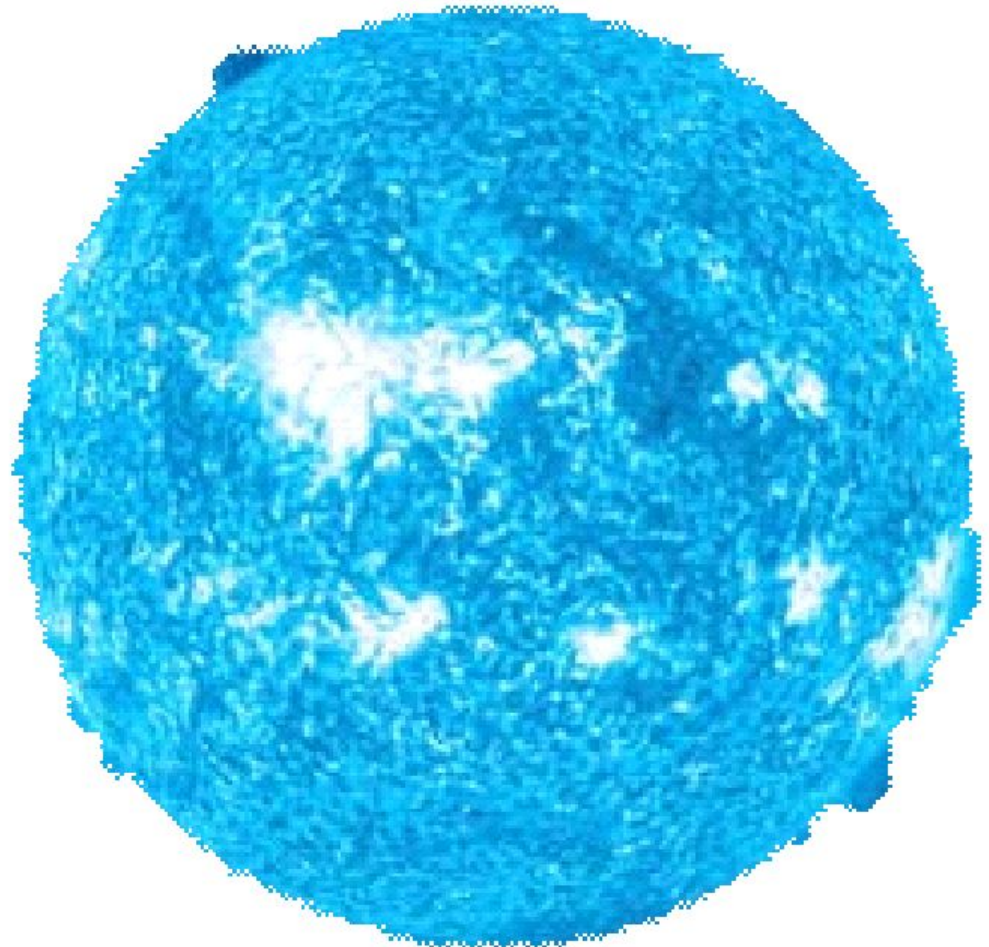
Color: blue

Temperature in Kelvin: 13,000

Star's Class: supergiant

Diameter: 58 suns

Luminosity: 55,000 suns



Star: Capella

Distance from Earth: 44 lightyears

Color: yellow

Temperature in Kelvin: 5,100

Star's Class: giant

Diameter: 11 suns

Luminosity: 72 suns



Star: Almaaz

Distance from Earth: 6,500 lightyears

Color: white

Temperature in Kelvin: 7,200

Star's Class: supergiant

Diameter: 365 suns

Luminosity: 200,000



Star: VY Canis Majoris

Distance from Earth: 3,900

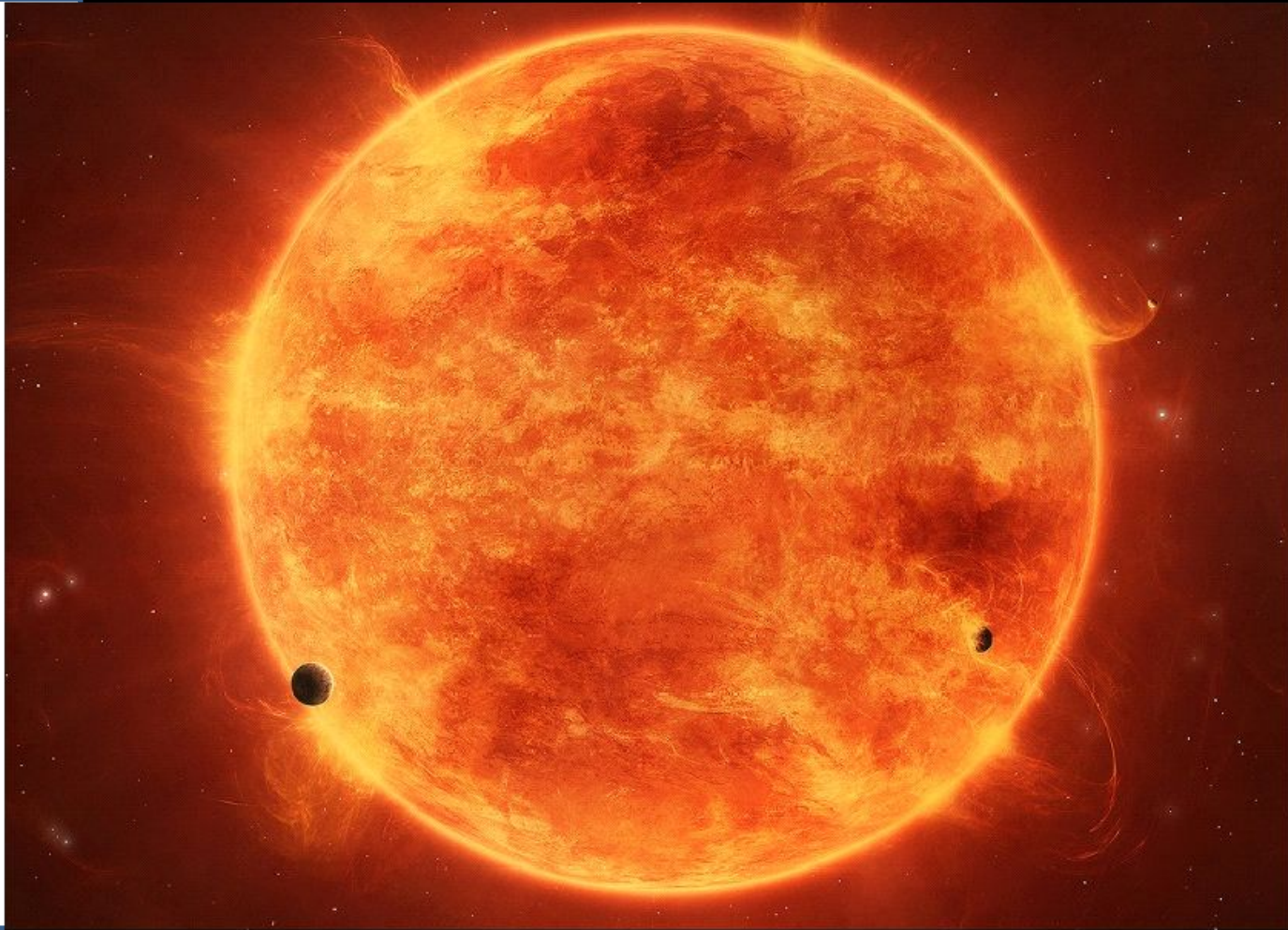
Color: red

Temperature in Kelvin: 3,500

Star's Class: supergiant

Diameter: 1,420 suns

Luminosity: 300,000



Star: Sirius B

Distance from Earth: 9 lightyears

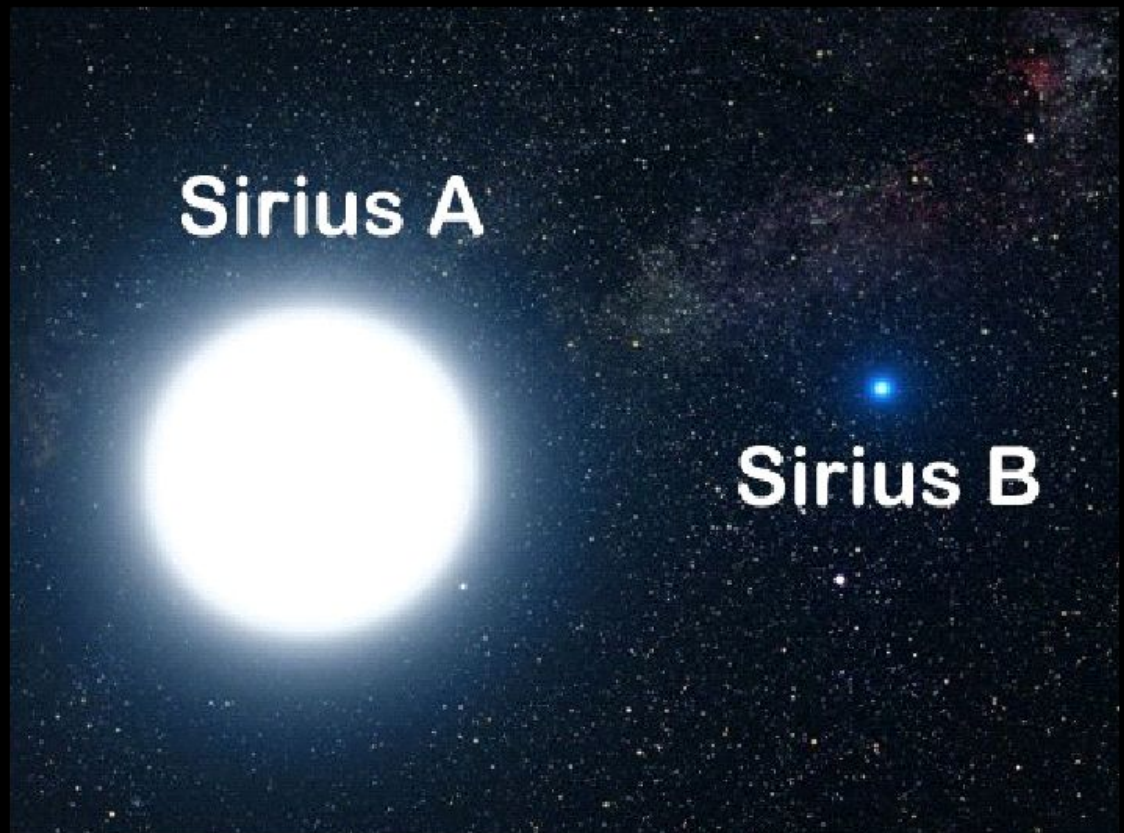
Color: blue-white

Temperature in Kelvin: 25,000k

Star's Class: white dwarf

Diameter: .0084 suns

Luminosity: .056 suns



Star: Deneb

Distance from Earth: 2,600 lightyears

Color: blue-white

Temperature in Kelvin: 8,500

Star's Class: supergiant

Diameter: 200 suns

Luminosity: 1,000 suns



Star: Spica

Distance from Earth: 250 lightyears

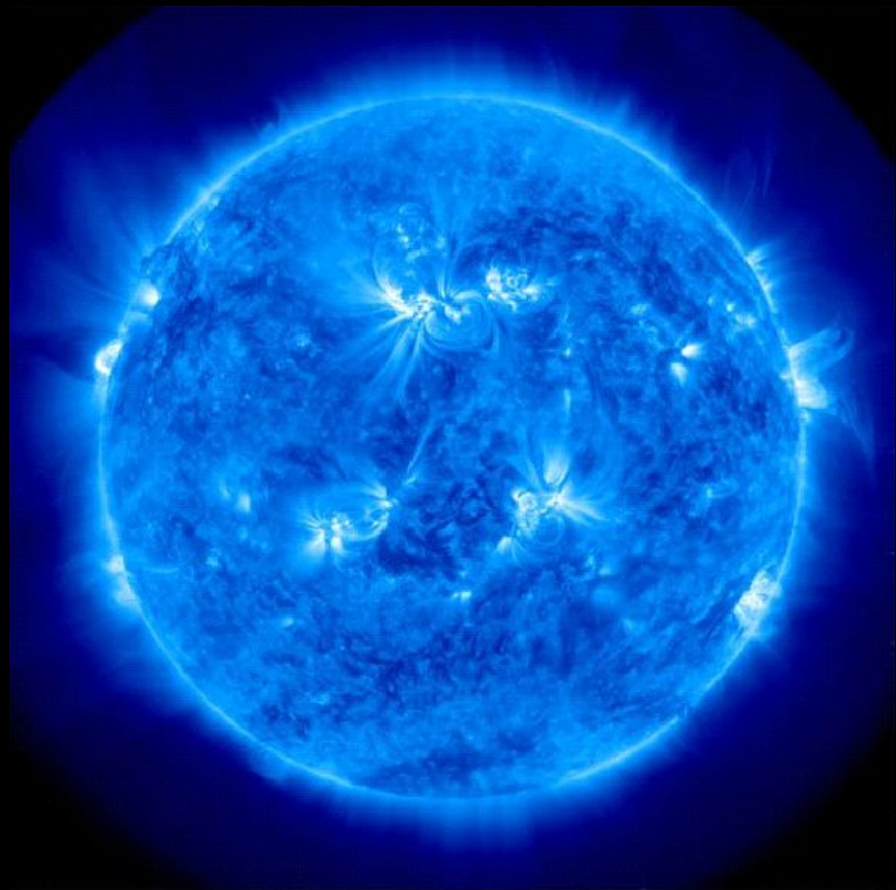
Color: blue

Temperature in Kelvin: 22,000

Star's Class: giant

Diameter: 7 suns

Luminosity: 12,000



Star: Proxima Centauri

Distance from Earth: 4.25 lightyears

Color: red

Temperature in Kelvin: 3,042

Star's Class: red dwarf

Diameter: .14 suns

Luminosity: .17suns



Star: Procyon B

Distance from Earth: 11.5 lightyears

Color: white

Temperature in Kelvin: 7,740

Star's Class: white dwarf

Diameter: .001 suns

Luminosity: .0005 suns



Star: Bellatrix

Distance from Earth: 360 lightyears

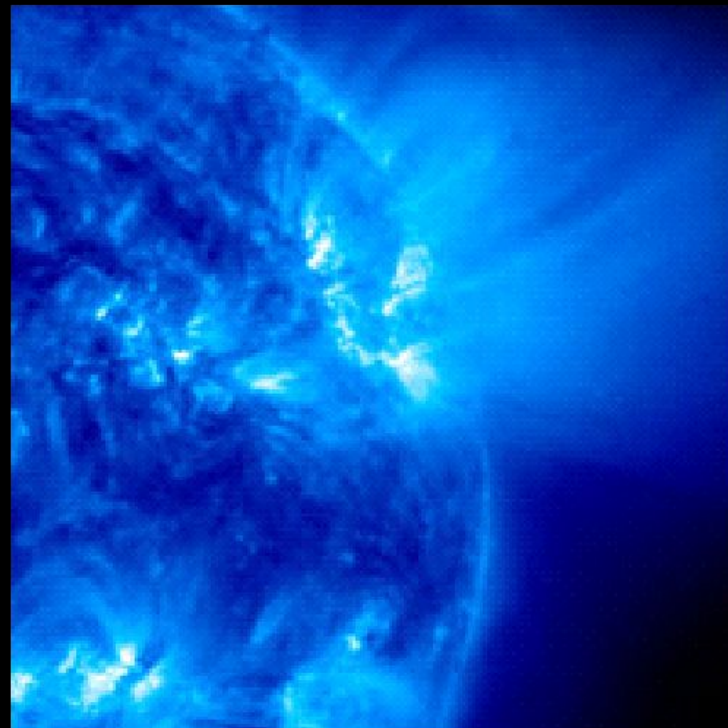
Color: blue

Temperature in Kelvin: 23,000

Star's Class: giant

Diameter: 3 suns

Luminosity: 2,168



Star: Gliese 752 A

Distance from Earth: 19 lightyears

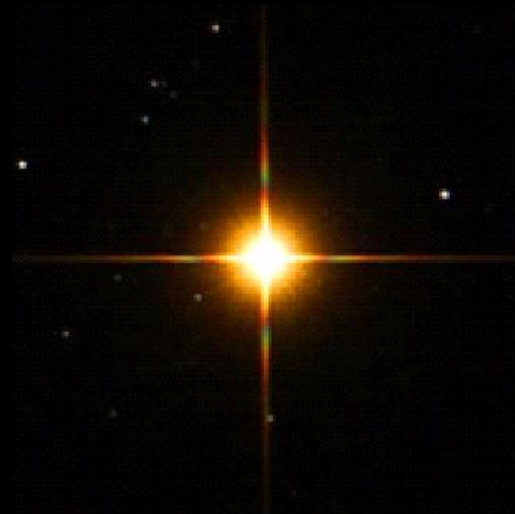
Color: red

Temperature in Kelvin: 3240

Star's Class: red dwarf

Diameter: .5 suns

Luminosity: .3 suns



Star: Aldebaran

Distance from Earth: 65 lightyears

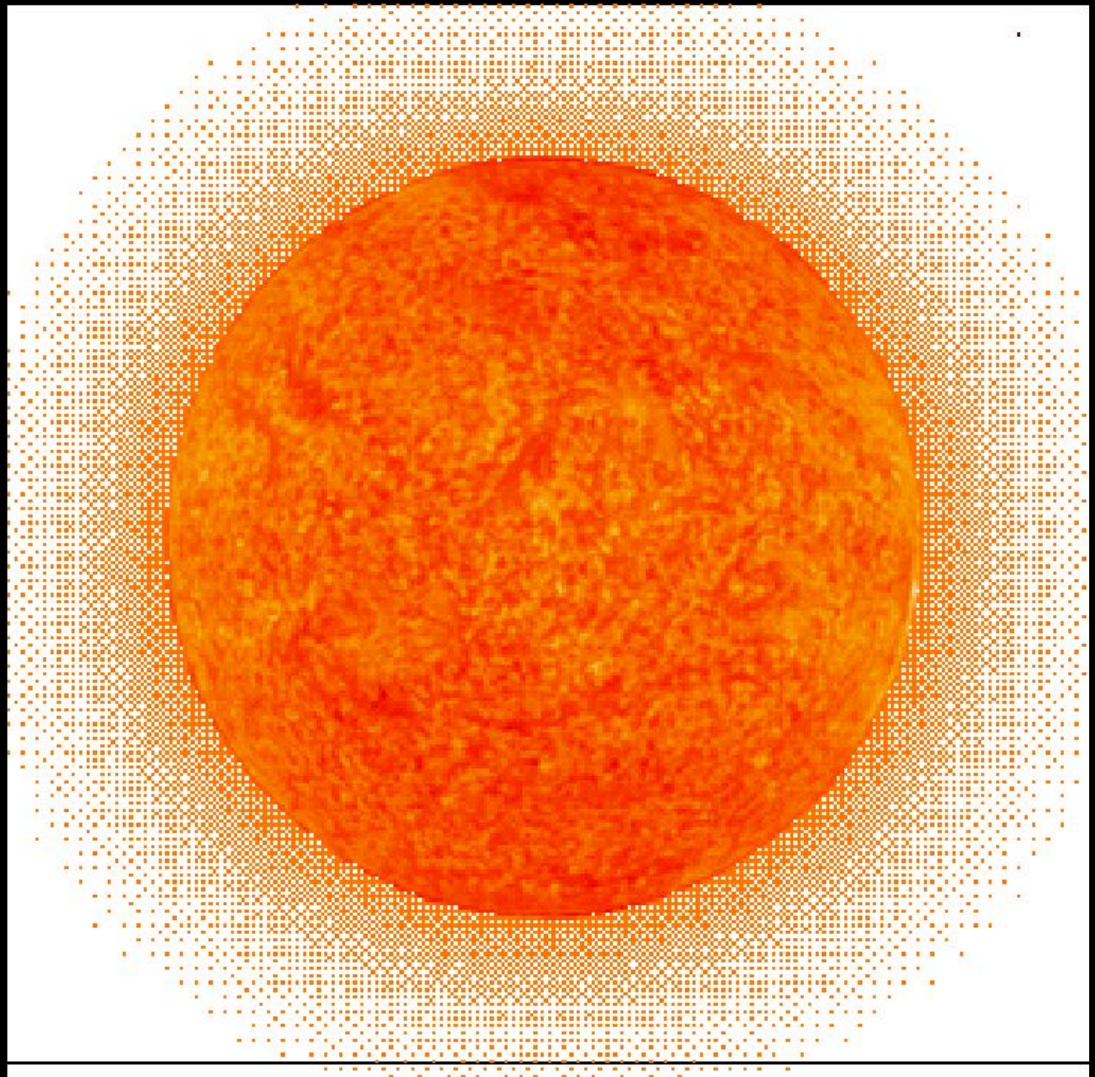
Color: orange

Temperature in Kelvin: 4,000

Star's Class: giant

Diameter: 44 suns

Luminosity: 518 suns



Star: Polaris

Distance from Earth: 400 lightyears

Color: yellow

Temperature in Kelvin: 6000

Star's Class: supergiant

Diameter: 600 suns

Luminosity: 9,000 suns



Star: Luhman 16

Distance from Earth: 6.5 lightyears

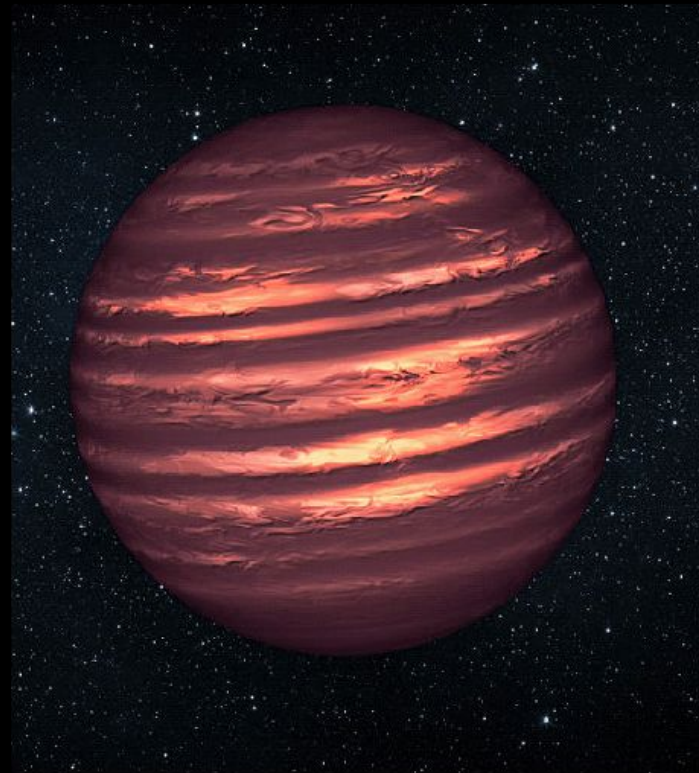
Color: brown

Temperature in Kelvin: 1,350

Star's Class: brown dwarf

Diameter: .4 suns

Luminosity: .0002 suns



Star: WR 102

Distance from Earth: 18,000

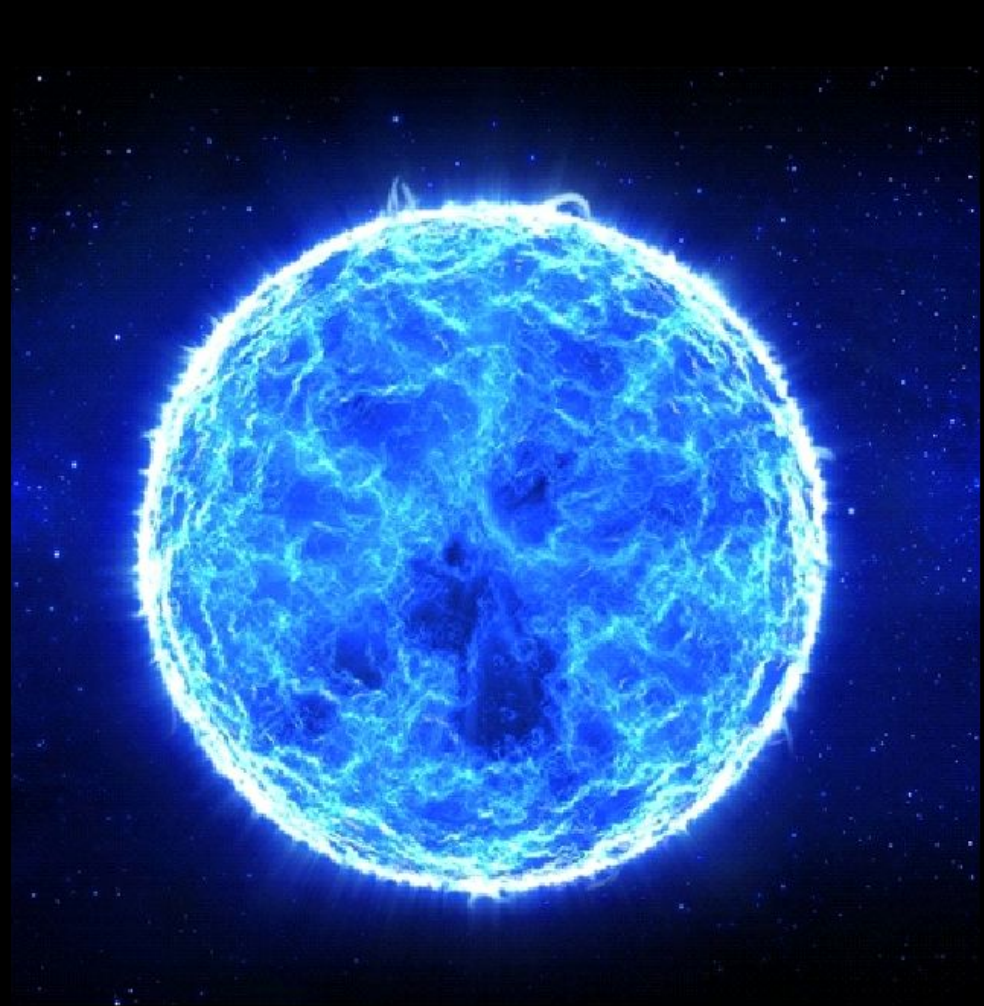
Color: blue

Temperature in Kelvin: 50,000

Star's Class: main sequence

Diameter: 8 suns

Luminosity: 282,000 suns



Star: Vega

Distance from Earth: 25 lightyears

Color: blue-white

Temperature in Kelvin: 10,000

Star's Class: main sequence

Diameter: 2 suns

Luminosity: 400 suns



Star: Barnard's star

Distance from Earth: 6 lightyears

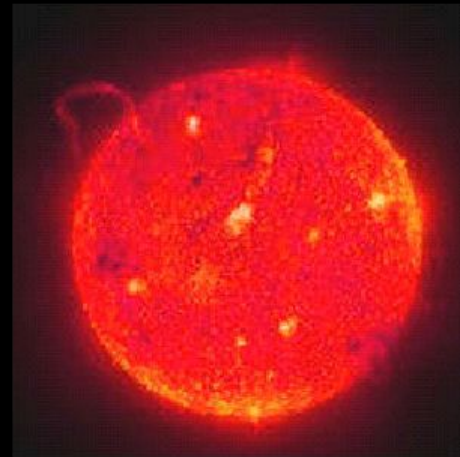
Color: red

Temperature in Kelvin: 3,100

Star's Class: red dwarf

Diameter: .2 suns

Luminosity: .004 suns



Star: Regulus

Distance from Earth: 79

lightyears

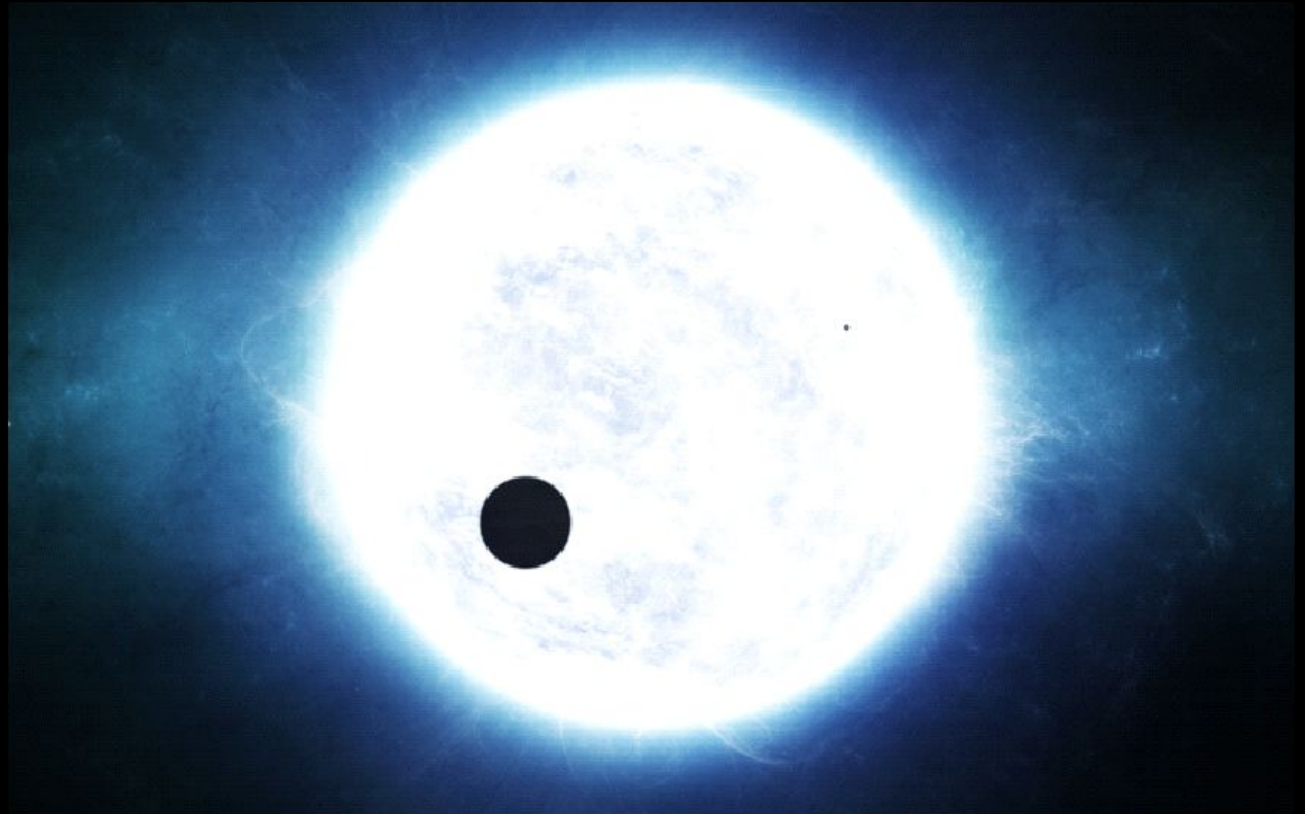
Color: blue-white

Temperature in Kelvin: 12,500

Star's Class: main sequence

Diameter: 12 suns

Luminosity: 288



Star: Achernar

Distance from Earth: 140 lightyears

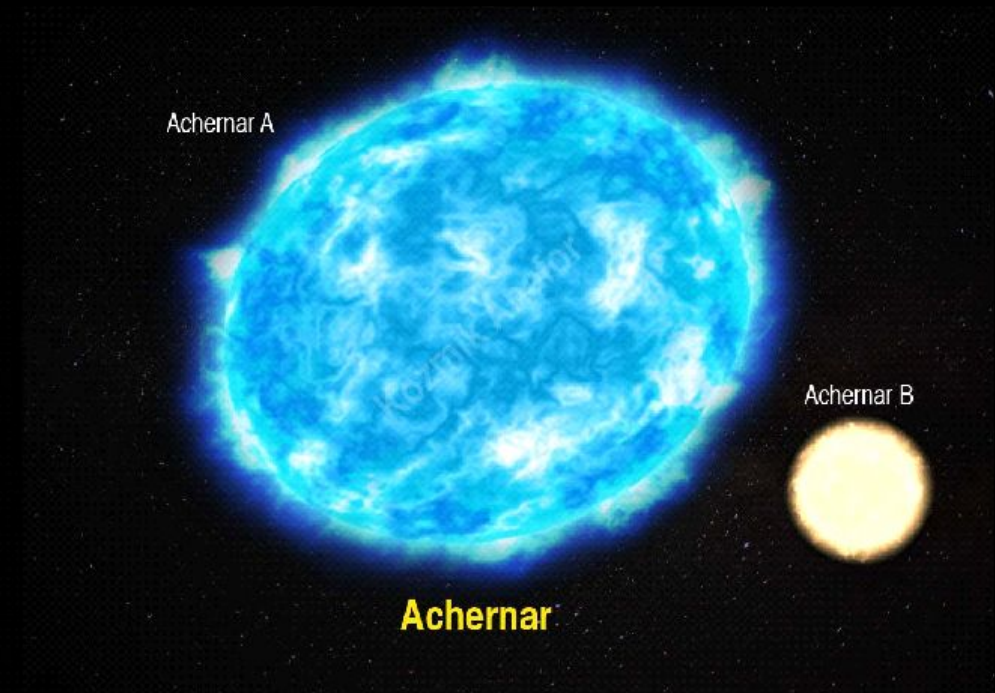
Color: blue

Temperature in Kelvin: 15,000

Star's Class: main sequence

Diameter: 7 suns

Luminosity: 3,150 suns



Star: Hoedus 1

Distance from Earth: 530 lightyears

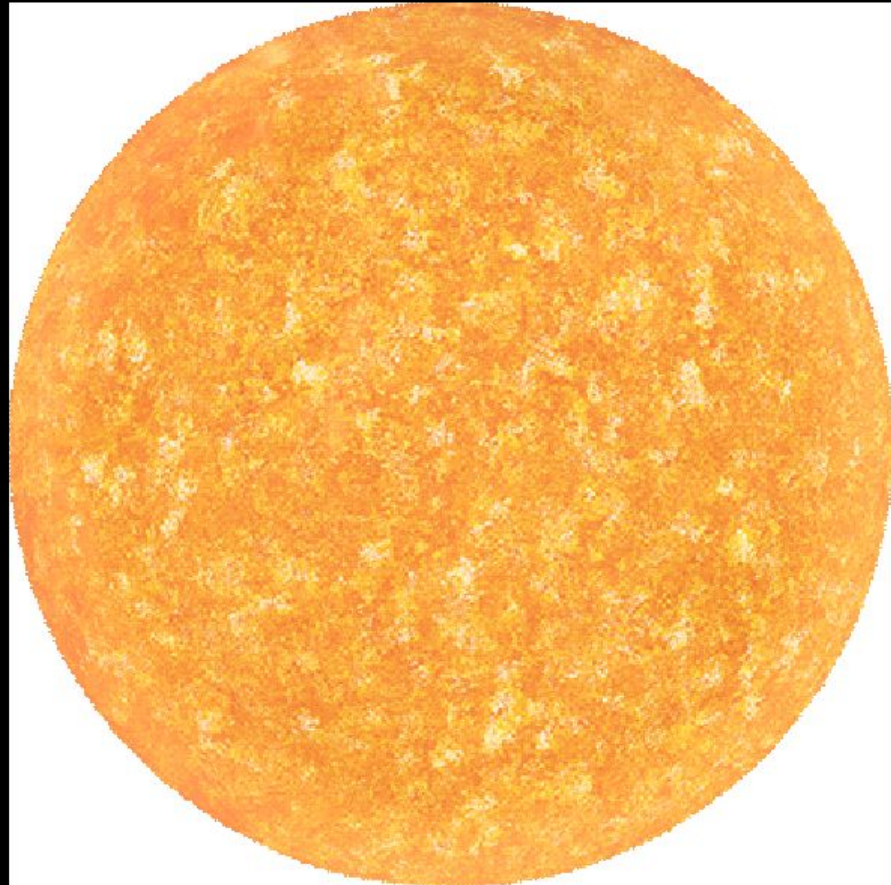
Color: orange

Temperature in Kelvin: 4,300

Star's Class: giant

Diameter: 53 suns

Luminosity: 655 suns



Star: Mebsuta

Distance from Earth: 190 lightyears

Color: yellow

Temperature in Kelvin: 5,000

Star's Class: supergiant

Diameter: 33 suns

Luminosity: 1750 suns



Star: Altair

Distance from Earth: 17 lightyears

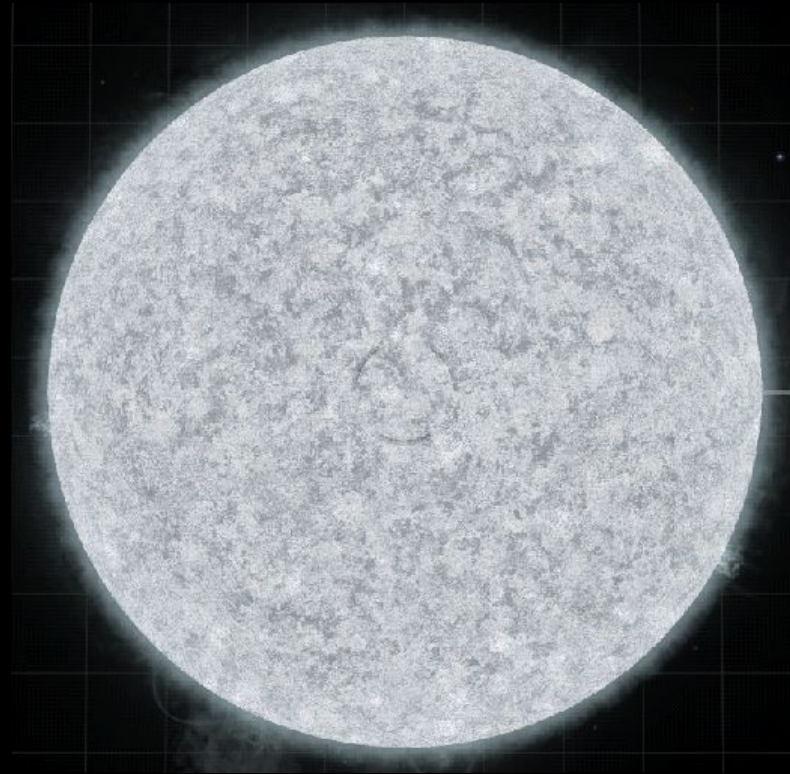
Color: white

Temperature in Kelvin: 7,000

Star's Class: main sequence

Diameter: 2 suns

Luminosity: 11 suns



Star: Canopus

Distance from Earth: 310 lightyears

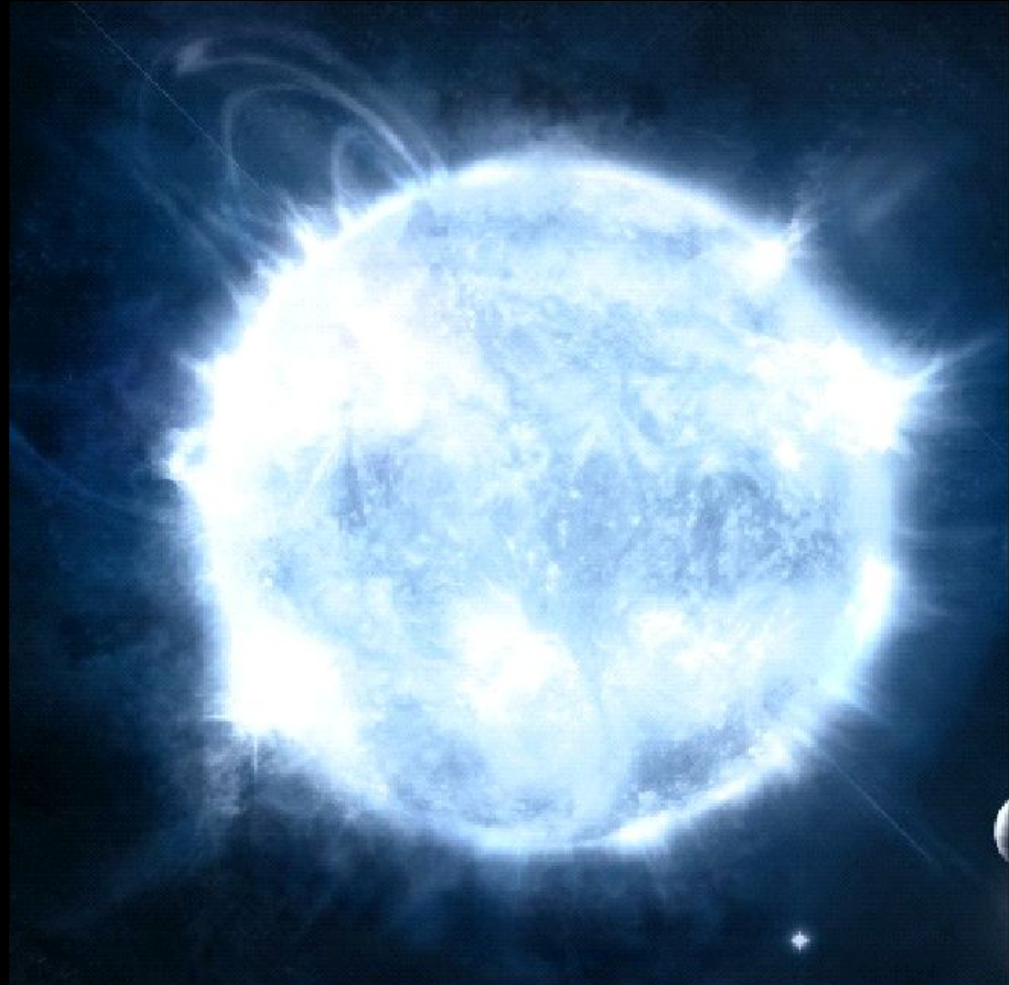
Color: white

Temperature in Kelvin: 7,000

Star's Class: giant

Diameter: 71 suns

Luminosity: 50,000 suns



Star: Propus

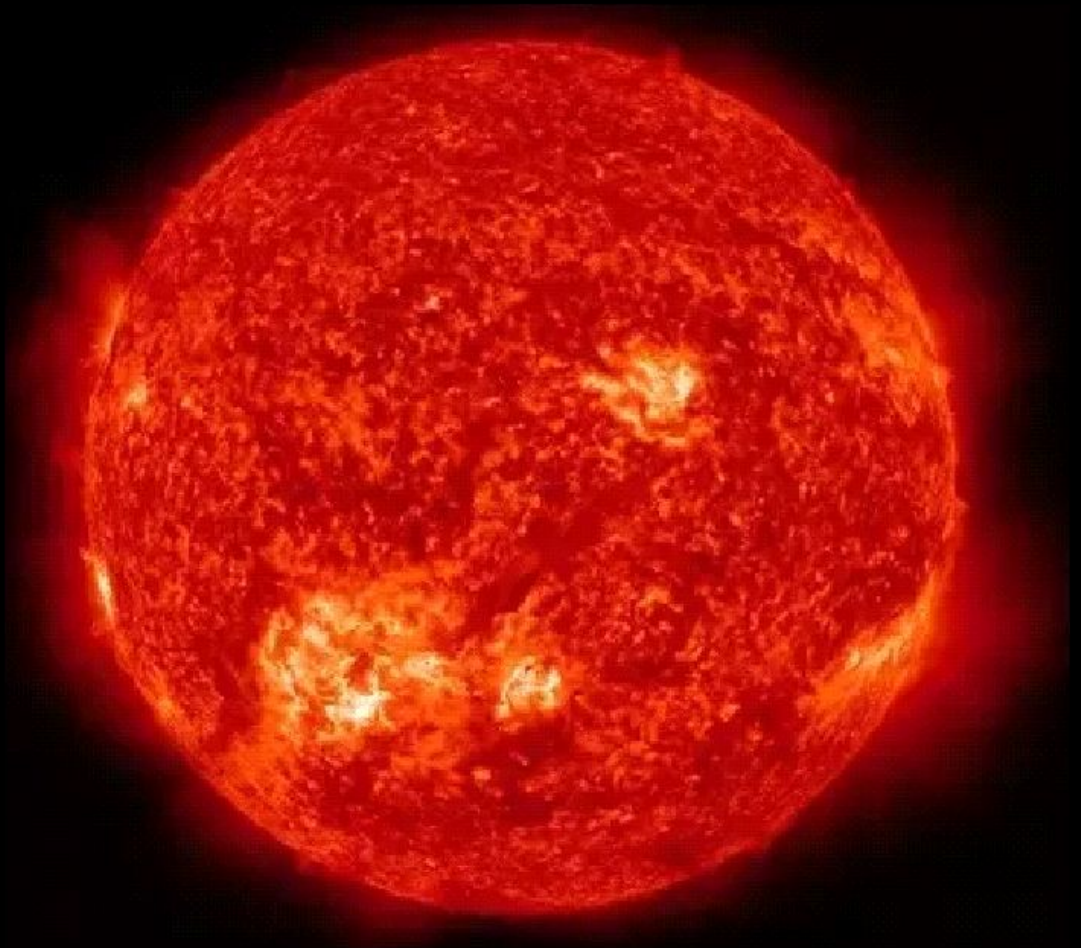
Distance from Earth: 190 lightyears

Color: red

Temperature in Kelvin: 3,100

Star's Class: giant

Diameter: 34 suns



Star: Mu Cephei

Distance from Earth: 6,000 lightyears

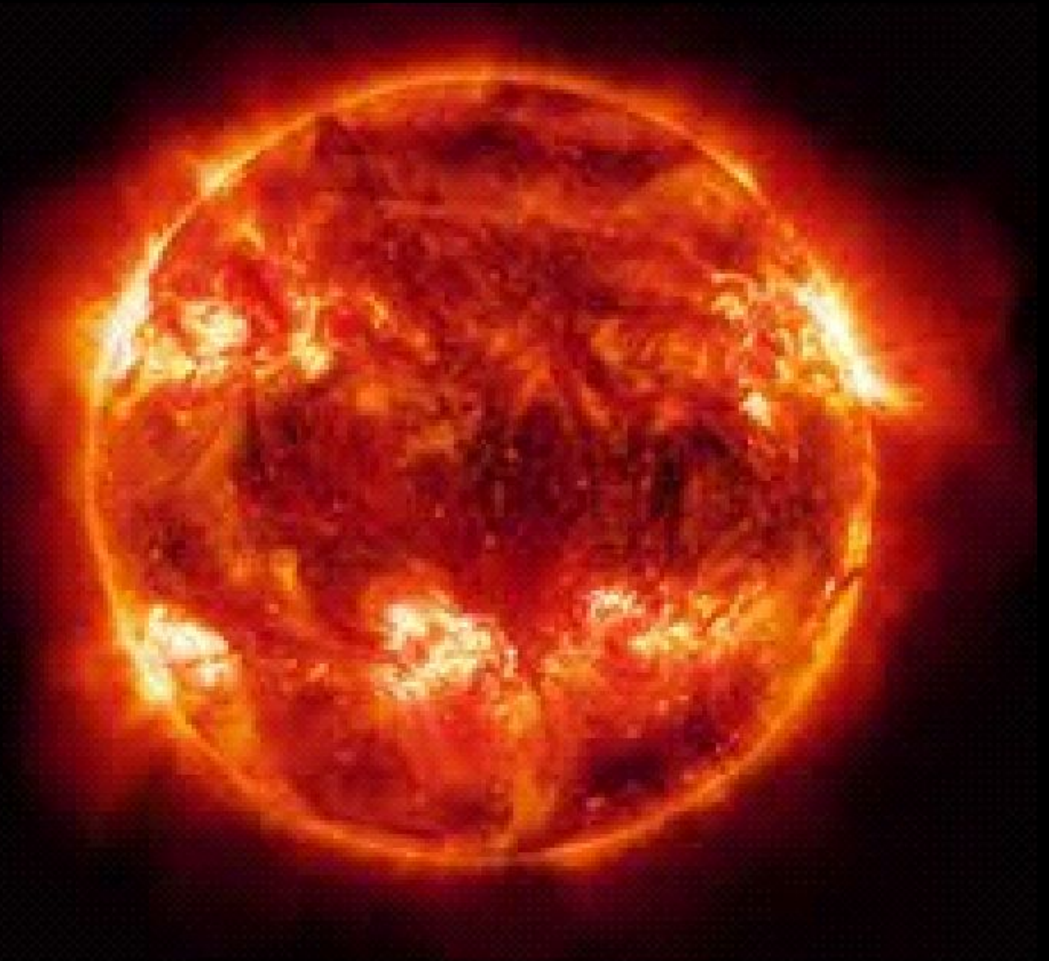
Color: Red

Temperature in Kelvin: 3,750

Star's Class: supergiant

Diameter: 250 suns

Luminosity: 280,000 suns



Star: Arcturus

Distance from Earth: 36.7 lightyears

Color: Red

Temperature in Kelvin: 4300 K

Star's Class: Red Giant

Diameter: 50 Suns

Luminosity: 170 Suns



Star: Fomalhaut

Distance from Earth: 25 Lightyears

Color: Blue-white

Temperature in Kelvin: 8590 K

Star's Class: Main Sequence

Diameter: 2.68 Suns

Luminosity: 17 Suns



Star: Alderamin

Distance from Earth: 49 Lightyears

Color: Blue-White

Temperature in Kelvin: 7800 K

Star's Class: Main Sequence

Diameter: 4.6 Suns

Luminosity: 17 Suns



Star: Elnath

Distance from Earth: 131 Lightyears

Color: Blue

Temperature in Kelvin: 13,800 K

Star's Class: Giant

Diameter: 8.4 Suns

Luminosity: 700 Suns



