Star Data

Directions: Plot the location of each star (temperature vs brightness) on the Hertzsprung-Russell (HR) Diagram. Use the appropriate color for each star.

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| --- | --- | --- | --- | --- | --- | --- |
| Star | Star Class  (Temp) | Brightness  (Absolute Magnitude) |  | Star | Star Class  (Temp) | Brightness  (Absolute Magnitude) |
| Mintake | O9 | -4.9 |  | Naos | O5 | -5.0 |
| Sirius | A1 | +1.5 |  | Zosma | A4 | +1.3 |
| Sol (our Sun) | G2 | +4.8 |  | Spica | B1 | -3.5 |
| Alpha Centauri B | K1 | +5.7 |  | Alpha Centauri A | G2 | +4.3 |
| Sirius B (the ‘Pup’) | A2 | +11.3 |  | Antares | M2 | -5.3 |
| Bernard’s Star | M4 | +13.3 |  | Algorab B | K2 | +0.8 |
| 61 Cygni A | K5 | +7.5 |  | Procyon | F5 | +2.7 |
| Betelgeuse | M2 | -5.6 |  | Regulus | B3 | -0.5 |
| Diadem | F5 | +3.5 |  | Denebola | A3 | +1.9 |
| Xi Bootes A | G8 | +5.5 |  | Wolf 359 | M6 | +16.6 |
| Electra | B6 | -1.6 |  | Van Maanen’s star | F7 | +14.2 |
| 40 Eridani B | A4 | +11.0 |  | Kappa-1 Ceti | G5 | +5.0 |
| Menkar | M1 | -1.6 |  | 61 Cigni B | K7 | +8.3 |
| Eta Corvi | F2 | +3.0 |  | Beta Virginis | F9 | +3.4 |
| Polaris | G2 | -5.0 |  | Arcturus | K1 | -0.3 |