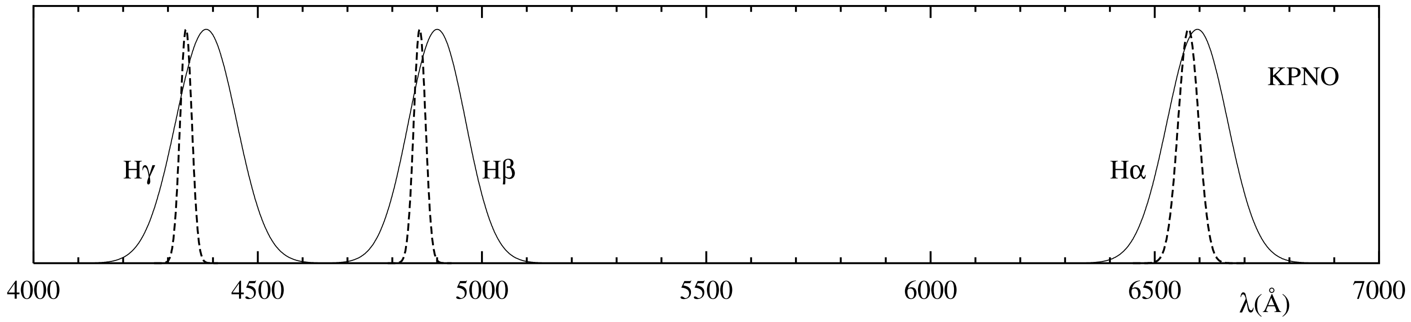


**$H\alpha_{wide}$** (interference filter) assumed profile: gaussian

| | B3 | Vega | Sun | K2 | M2 | Carbon |
|---|---|---|---|---|---|---|
| $\lambda_c = 6595$ | 6593 | 6595 | 6595 | 6595 | 6591 | 6604 |
| WHM = 159 | [170] | [171] | [169] | [169] | [164] | [167] |

$W_\circ = 169$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.84\,{}^{0.83}_{0.86}$   $a = {}^{0.906}_{0.906}$ $b = {}^{-0.288}_{-0.288}$ B3

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.77\,{}^{0.76}_{0.81}$   $a = {}^{0.906}_{0.906}$ $b = {}^{-0.288}_{-0.289}$ Sun

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.69\,{}^{0.67}_{0.73}$   $\frac{A(\lambda)}{E(B-V)}$ : $(2.351, 0.043)^{r=1.00}_{B3}$ $(2.525, 0.055)^{r=1.00}_{Sun}$ $(2.887, 0.047)^{r=1.00}_{M2}$

| WN | WC | $PN_{Ne}$ | $PN^{Ne}$ | Nova | WDA |
|---|---|---|---|---|---|
| 6589 | 6595 | 6575 | 6573 | 6571 | 6596 |

$\lambda_{eff} = 6595.0 + 2.4 \times E(B-V)$ r=1.00   $W_{eff} = 169.3 - 0.3 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 6592.2 + 3.4 \times \theta + 3.6 \times \theta^2 - 1.6 \times \theta^3$   $W_{eff}(T) = 169.0 + 0.6 \times \theta - 0.3 \times \theta^2 - 0.4 \times \theta^3$

**$H\alpha_{narrow}$** (interference filter) assumed profile: gaussian

| | B3 | Vega | Sun | K2 | M2 | Carbon |
|---|---|---|---|---|---|---|
| $\lambda_c = 6575$ | 6575 | 6576 | 6575 | 6575 | 6575 | 6577 |
| WHM = 54 | [58] | [59] | [58] | [58] | [58] | [58] |

$W_\circ = 57$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.84\,{}^{0.83}_{0.87}$   $a = {}^{0.908}_{0.908}$ $b = {}^{-0.285}_{-0.285}$ B3

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.77\,{}^{0.76}_{0.81}$   $a = {}^{0.908}_{0.908}$ $b = {}^{-0.285}_{-0.285}$ Sun

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.69\,{}^{0.67}_{0.74}$   $\frac{A(\lambda)}{E(B-V)}$ : $(2.360, 0.044)^{r=1.00}_{B3}$ $(2.536, 0.056)^{r=1.00}_{Sun}$ $(2.896, 0.048)^{r=1.00}_{M2}$

| WN | WC | $PN_{Ne}$ | $PN^{Ne}$ | Nova | WDA |
|---|---|---|---|---|---|
| 6571 | 6575 | 6574 | 6571 | 6571 | 6576 |

$\lambda_{eff} = 6575.0 + 0.3 \times E(B-V)$ r=1.00   $W_{eff} = 57.5 - 0.0 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 6574.7 + 0.4 \times \theta + 0.4 \times \theta^2 - 0.2 \times \theta^3$   $W_{eff}(T) = 57.5 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

**$H\beta_{wide}$** (interference filter) assumed profile: gaussian

| | B3 | Vega | Sun | K2 | M2 | Carbon |
|---|---|---|---|---|---|---|
| $\lambda_c = 4900$ | 4898 | 4901 | 4899 | 4900 | 4903 | 4881 |
| WHM = 150 | [161] | [163] | [159] | [158] | [154] | [134] |

$W_\circ = 160$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.11\,{}^{1.10}_{1.15}$   $a = {}^{1.016}_{1.016}$ $b = {}^{0.424}_{0.420}$ B3

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.18\,{}^{1.16}_{1.24}$   $a = {}^{1.016}_{1.016}$ $b = {}^{0.423}_{0.420}$ Sun

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.26\,{}^{1.23}_{1.36}$   $\frac{A(\lambda)}{E(B-V)}$ : $(3.591, 0.065)^{r=1.00}_{B3}$ $(3.857, 0.083)^{r=1.00}_{Sun}$ $(4.400, 0.071)^{r=1.00}_{M2}$

| WN | WC | $PN_{Ne}$ | $PN^{Ne}$ | Nova | WDA |
|---|---|---|---|---|---|
| 4894 | 4897 | 4966 | 4887 | 4968 | 4903 |

$\lambda_{eff} = 4900.0 + 3.9 \times E(B-V)$ r=1.00   $W_{eff} = 159.9 - 0.9 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4896.6 + 6.3 \times \theta + 5.2 \times \theta^2 - 2.6 \times \theta^3$   $W_{eff}(T) = 159.3 + 1.6 \times \theta - 1.7 \times \theta^2 - 0.6 \times \theta^3$

**$H\beta_{narrow}$** (interference filter) assumed profile: gaussian

| | B3 | Vega | Sun | K2 | M2 | Carbon |
|---|---|---|---|---|---|---|
| $\lambda_c = 4861$ | 4861 | 4860 | 4861 | 4861 | 4862 | 4860 |
| WHM = 31 | [33] | [34] | [33] | [33] | [33] | [31] |

$W_\circ = 33$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.12\,{}^{1.11}_{1.15}$   $a = {}^{1.015}_{1.015}$ $b = {}^{0.462}_{0.461}$ B3

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.19\,{}^{1.17}_{1.25}$   $a = {}^{1.015}_{1.015}$ $b = {}^{0.462}_{0.461}$ Sun

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.28\,{}^{1.25}_{1.37}$   $\frac{A(\lambda)}{E(B-V)}$ : $(3.627, 0.068)^{r=1.00}_{B3}$ $(3.897, 0.086)^{r=1.00}_{Sun}$ $(4.450, 0.074)^{r=1.00}_{M2}$

| WN | WC | $PN_{Ne}$ | $PN^{Ne}$ | Nova | WDA |
|---|---|---|---|---|---|
| 4861 | 4861 | 4861 | 4862 | 4860 | 4861 |

$\lambda_{eff} = 4861.0 + 0.2 \times E(B-V)$ r=1.00   $W_{eff} = 33.0 - 0.0 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4860.9 + 0.3 \times \theta + 0.2 \times \theta^2 - 0.1 \times \theta^3$   $W_{eff}(T) = 33.0 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

**$H\gamma_{wide}$** (interference filter) assumed profile: gaussian

| | B3 | Vega | Sun | K2 | M2 | Carbon |
|---|---|---|---|---|---|---|
| $\lambda_c = 4385$ | 4383 | 4386 | 4391 | 4395 | 4399 | 4437 |
| WHM = 160 | [171] | [174] | [170] | [165] | [161] | [85] |

$W_\circ = 170$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.21\,{}^{1.20}_{1.24}$   $a = {}^{0.999}_{0.999}$ $b = {}^{1.029}_{1.024}$ B3

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.34\,{}^{1.32}_{1.39}$   $a = {}^{0.999}_{1.000}$ $b = {}^{1.018}_{1.013}$ Sun

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.51\,{}^{1.47}_{1.59}$   $\frac{A(\lambda)}{E(B-V)}$ : $(4.096, 0.075)^{r=1.00}_{B3}$ $(4.392, 0.095)^{r=1.00}_{Sun}$ $(5.007, 0.080)^{r=1.00}_{M2}$

| WN | WC | $PN_{Ne}$ | $PN^{Ne}$ | Nova | WDA |
|---|---|---|---|---|---|
| 4383 | 4384 | 4358 | 4374 | 4376 | 4389 |

$\lambda_{eff} = 4384.9 + 4.2 \times E(B-V)$ r=1.00   $W_{eff} = 170.6 - 0.9 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4380.6 + 9.5 \times \theta + 6.7 \times \theta^2 - 3.4 \times \theta^3$   $W_{eff}(T) = 169.8 + 2.8 \times \theta - 3.8 \times \theta^2 - 0.7 \times \theta^3$

**$H\gamma_{narrow}$** (interference filter) assumed profile: gaussian

| | B3 | Vega | Sun | K2 | M2 | Carbon |
|---|---|---|---|---|---|---|
| $\lambda_c = 4340$ | 4340 | 4339 | 4340 | 4341 | 4342 | 4335 |
| WHM = 31 | [33] | [34] | [34] | [34] | [33] | [32] |

$W_\circ = 33$

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.22\,{}^{1.20}_{1.26}$   $a = {}^{0.997}_{0.997}$ $b = {}^{1.084}_{1.084}$ B3

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.36\,{}^{1.34}_{1.42}$   $a = {}^{0.997}_{0.997}$ $b = {}^{1.083}_{1.083}$ Sun

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.53\,{}^{1.49}_{1.64}$   $\frac{A(\lambda)}{E(B-V)}$ : $(4.137, 0.078)^{r=1.00}_{B3}$ $(4.443, 0.098)^{r=1.00}_{Sun}$ $(5.074, 0.084)^{r=1.00}_{M2}$

| WN | WC | $PN_{Ne}$ | $PN^{Ne}$ | Nova | WDA |
|---|---|---|---|---|---|
| 4340 | 4339 | 4341 | 4341 | 4343 | 4340 |

$\lambda_{eff} = 4340.0 + 0.2 \times E(B-V)$ r=1.00   $W_{eff} = 33.0 - 0.0 \times E(B-V)$ r=-0.95

$\lambda_{eff}(T) = 4339.8 + 0.4 \times \theta + 0.3 \times \theta^2 - 0.1 \times \theta^3$   $W_{eff}(T) = 33.0 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

*(continues)* ⇒