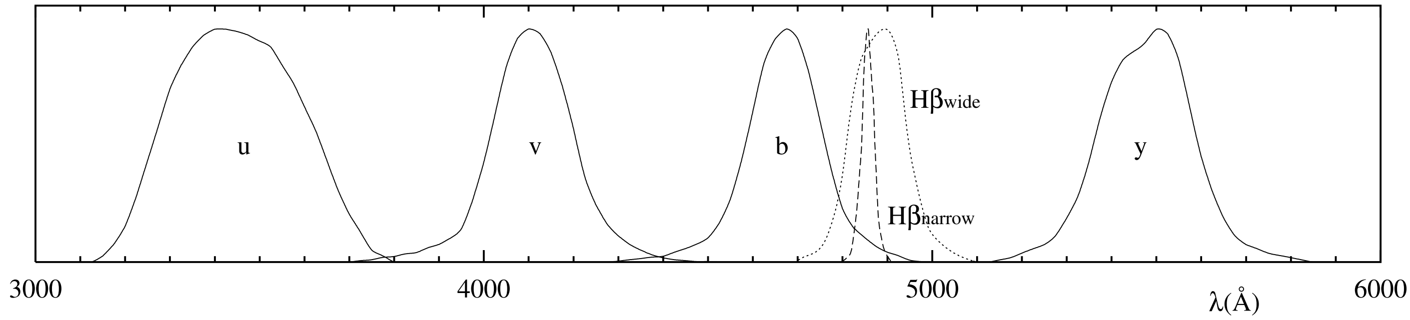

u

$\lambda_c = 3449$ — $\lambda_\circ = 3451$ — $\lambda_{peak} = 3410$ — $\lambda_{gauss} = 3446$

WHM = 377 — W10% = 550 — W80% = 251 — FWHM = 349

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3438	3447	3460	3496	3509	3451
[368]	[371]	[371]	[339]	[315]	[381]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3440	3434	3507	3457	3445	3432

$W_\circ = 372$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.37\,^{1.36}_{1.42}$ — $a = {}^{0.914}_{0.920}$ $b = {}^{2.152}_{2.120}$ *B3*

$\mu = 127$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.64\,^{1.61}_{1.72}$ — $a = {}^{0.921}_{0.926}$ $b = {}^{2.111}_{2.081}$ *Sun*

$I_{asym} = 0.09$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 2.00\,^{1.95}_{2.13}$ — $\frac{A(\lambda)}{E(B-V)}$: $(5.012, 0.084)^{r=1.00}_{B3}$ $(5.357, 0.106)^{r=1.00}_{Sun}$ $(6.050, 0.087)^{r=1.00}_{M2}$

$I_{kurt} = -0.69$ — $\lambda_{eff} = 3450.4 + 17.9 \times E(B-V)$ r=1.00 — $W_{eff} = 374.0 - 11.8 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 3431 + 59 \times \theta + 32 \times \theta^2 - 18 \times \theta^3$ — $W_{eff}(T) = 362 + 67 \times \theta - 135 \times \theta^2 + 28 \times \theta^3$

v

$\lambda_c = 4109$ — $\lambda_\circ = 4108$ — $\lambda_{peak} = 4100$ — $\lambda_{gauss} = 4109$

WHM = 199 — W10% = 386 — W80% = 122 — FWHM = 210

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4103	4108	4113	4121	4136	4090
[219]	[214]	[213]	[212]	[214]	[177]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4099	4105	4058	4103	4104	4108

$W_\circ = 223$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.26\,^{1.25}_{1.30}$ — $a = {}^{0.986}_{0.986}$ $b = {}^{1.379}_{1.370}$ *B3*

$\mu = 98$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.42\,^{1.40}_{1.50}$ — $a = {}^{0.987}_{0.987}$ $b = {}^{1.367}_{1.359}$ *Sun*

$I_{asym} = -0.14$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.64\,^{1.60}_{1.76}$ — $\frac{A(\lambda)}{E(B-V)}$: $(4.343, 0.078)^{r=1.00}_{B3}$ $(4.655, 0.099)^{r=1.00}_{Sun}$ $(5.293, 0.083)^{r=1.00}_{M2}$

$I_{kurt} = 1.04$ — $\lambda_{eff} = 4107.8 + 8.1 \times E(B-V)$ r=1.00 — $W_{eff} = 222.7 - 2.2 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 4098 + 24 \times \theta + 13 \times \theta^2 - 7 \times \theta^3$ — $W_{eff}(T) = 221 + 9 \times \theta - 15 \times \theta^2 - 1 \times \theta^3$

b

$\lambda_c = 4672$ — $\lambda_\circ = 4669$ — $\lambda_{peak} = 4675$ — $\lambda_{gauss} = 4672$

WHM = 180 — W10% = 355 — W80% = 109 — FWHM = 190

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4663	4663	4670	4674	4678	4750
[200]	[199]	[200]	[199]	[199]	[71]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4672	4658	4711	4679	4673	4661

$W_\circ = 202$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.15\,^{1.14}_{1.17}$ — $a = {}^{1.011}_{1.011}$ $b = {}^{0.679}_{0.671}$ *B3*

$\mu = 90$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.25\,^{1.23}_{1.28}$ — $a = {}^{1.011}_{1.011}$ $b = {}^{0.671}_{0.663}$ *Sun*

$I_{asym} = -0.27$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.37\,^{1.34}_{1.42}$ — $\frac{A(\lambda)}{E(B-V)}$: $(3.823, 0.068)^{r=1.00}_{B3}$ $(4.100, 0.086)^{r=1.00}_{Sun}$ $(4.673, 0.072)^{r=1.00}_{M2}$

$I_{kurt} = 1.02$ — $\lambda_{eff} = 4669.1 + 7.7 \times E(B-V)$ r=1.00 — $W_{eff} = 201.7 - 2.0 \times E(B-V)$ r=−0.96

$\lambda_{eff}(T) = 4662 + 15 \times \theta + 10 \times \theta^2 - 5 \times \theta^3$ — $W_{eff}(T) = 200 + 4 \times \theta - 6 \times \theta^2 - 1 \times \theta^3$

y

$\lambda_c = 5476$ — $\lambda_\circ = 5478$ — $\lambda_{peak} = 5505$ — $\lambda_{gauss} = 5480$

WHM = 235 — W10% = 414 — W80% = 152 — FWHM = 237

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5472	5473	5478	5481	5481	5447
[251]	[251]	[251]	[251]	[246]	[234]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5469	5490	5480	5478	5487	5472

$W_\circ = 253$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.01\,^{1.00}_{1.04}$ — $a = {}^{1.001}_{1.001}$ $b = {}^{0.011}_{0.007}$ *B3*

$\mu = 102$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.01\,^{0.99}_{1.07}$ — $a = {}^{1.001}_{1.001}$ $b = {}^{0.008}_{0.004}$ *Sun*

$I_{asym} = 0.01$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.01\,^{0.99}_{1.09}$ — $\frac{A(\lambda)}{E(B-V)}$: $(3.080, 0.055)^{r=1.00}_{B3}$ $(3.303, 0.069)^{r=1.00}_{Sun}$ $(3.770, 0.058)^{r=1.00}_{M2}$

$I_{kurt} = 0.27$ — $\lambda_{eff} = 5478.2 + 8.1 \times E(B-V)$ r=1.00 — $W_{eff} = 252.3 - 2.4 \times E(B-V)$ r=−0.97

$\lambda_{eff}(T) = 5471 + 12 \times \theta + 11 \times \theta^2 - 5 \times \theta^3$ — $W_{eff}(T) = 251 + 4 \times \theta - 4 \times \theta^2 - 2 \times \theta^3$

Hβ_{narrow}

$\lambda_c = 4857$ — $\lambda_\circ = 4856$ — $\lambda_{peak} = 4857$ — $\lambda_{gauss} = 4856$

WHM = 30 — W10% = 63 — W80% = 17 — FWHM = 32

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4855	4854	4855	4856	4857	4855
[35]	[36]	[35]	[35]	[35]	[34]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4858	4856	4861	4861	4857	4855

$W_\circ = 34$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.12\,^{1.11}_{1.15}$ — $a = {}^{1.015}_{1.015}$ $b = {}^{0.467}_{0.467}$ *B3*

$\mu = 15$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.19\,^{1.17}_{1.25}$ — $a = {}^{1.015}_{1.015}$ $b = {}^{0.467}_{0.467}$ *Sun*

$I_{asym} = -0.08$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.28\,^{1.25}_{1.37}$ — $\frac{A(\lambda)}{E(B-V)}$: $(3.633, 0.068)^{r=1.00}_{B3}$ $(3.908, 0.086)^{r=1.00}_{Sun}$ $(4.466, 0.070)^{r=1.00}_{M2}$

$I_{kurt} = 0.49$ — $\lambda_{eff} = 4856.1 + 0.2 \times E(B-V)$ r=1.00 — $W_{eff} = 34.4 - 0.3 \times E(B-V)$ r=−0.96

$\lambda_{eff}(T) = 4855.9 + 0.4 \times \theta + 0.3 \times \theta^2 - 0.1 \times \theta^3$ — $W_{eff}(T) = 34.2 + 0.7 \times \theta - 0.5 \times \theta^2 - 0.2 \times \theta^3$

Hβ_{wide}

$\lambda_c = 4878$ — $\lambda_\circ = 4883$ — $\lambda_{peak} = 4894$ — $\lambda_{gauss} = 4881$

WHM = 140 — W10% = 245 — W80% = 98 — FWHM = 143

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4881	4883	4882	4883	4889	4871
[151]	[153]	[151]	[149]	[141]	[140]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4880	4881	4947	4875	4952	4884

$W_\circ = 152$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.11\,^{1.10}_{1.15}$ — $a = {}^{1.016}_{1.016}$ $b = {}^{0.441}_{0.438}$ *B3*

$\mu = 59$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.18\,^{1.16}_{1.24}$ — $a = {}^{1.016}_{1.016}$ $b = {}^{0.440}_{0.437}$ *Sun*

$I_{asym} = 0.17$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.27\,^{1.24}_{1.36}$ — $\frac{A(\lambda)}{E(B-V)}$: $(3.608, 0.066)^{r=1.00}_{B3}$ $(3.875, 0.084)^{r=1.00}_{Sun}$ $(4.418, 0.071)^{r=1.00}_{M2}$

$I_{kurt} = 0.18$ — $\lambda_{eff} = 4882.8 + 3.3 \times E(B-V)$ r=1.00 — $W_{eff} = 151.4 - 0.7 \times E(B-V)$ r=−0.96

$\lambda_{eff}(T) = 4880 + 5 \times \theta + 4 \times \theta^2 - 2 \times \theta^3$ — $W_{eff}(T) = 151 + 1 \times \theta - 1 \times \theta^2 - 0 \times \theta^3$