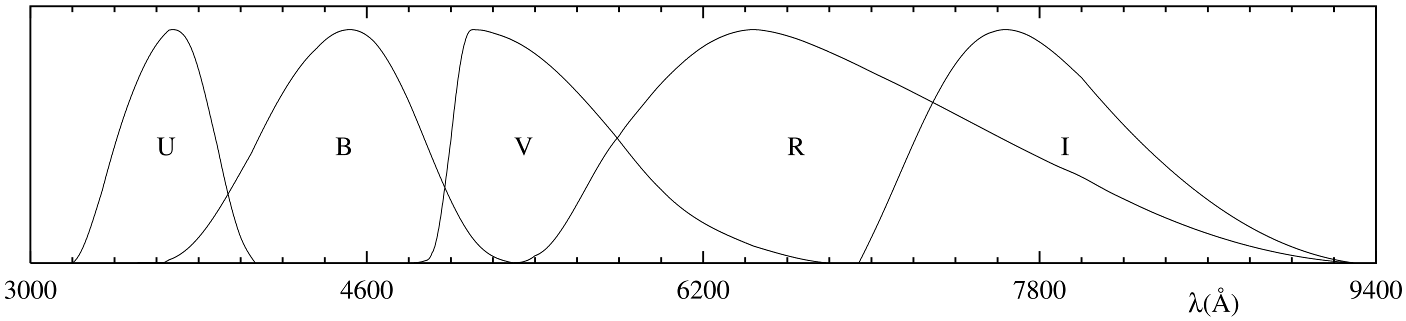
UBVRI - Fernie - 1974



U

$\lambda_c = 3645$	$\lambda_\circ = 3644$	$\lambda_{peak} = 3678$	$\lambda_{gauss} = 3651$
WHM = 489	W10% = 740	W80% = 290	FWHM = 449

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3641	3689	3653	3678	3716	3676
[482]	[460]	[483]	[454]	[411]	[552]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
3615	3627	3711	3647	3639	3621

$W_\circ = 478$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.34\ ^{1.32}_{1.37}$ — $a = {}^{0.959}_{0.963}$ $b = {}^{1.858}_{1.827}$ *B3*

$\mu = 170$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.57\ ^{1.53}_{1.63}$ — $a = {}^{0.961}_{0.964}$ $b = {}^{1.846}_{1.818}$ *Sun*

$I_{asym} = -0.08$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.87\ ^{1.81}_{1.98}$ — $\frac{A(\lambda)}{E(B-V)}$: $(4.793, 0.074)^{r=1.00}_{B3}$ $(5.136, 0.096)^{r=1.00}_{Sun}$ $(5.785, 0.078)^{r=1.00}_{M2}$

$I_{kurt} = -0.68$ — $\lambda_{eff} = 3644.0 + 28.3 \times E(B-V)$ r=1.00 — $W_{eff} = 483.5 - 20.3 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 3610 + 98 \times \theta + 47 \times \theta^2 - 32 \times \theta^3$ — $W_{eff}(T) = 461 + 126 \times \theta - 251 \times \theta^2 + 65 \times \theta^3$

B

$\lambda_c = 4478$	$\lambda_\circ = 4469$	$\lambda_{peak} = 4519$	$\lambda_{gauss} = 4480$
WHM = 822	W10% = 1319	W80% = 491	FWHM = 778

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
4409	4431	4503	4571	4626	4736
[794]	[795]	[805]	[731]	[624]	[357]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
4459	4502	4757	4471	4726	4429

$W_\circ = 829$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.18\ ^{1.17}_{1.18}$ — $a = {}^{1.000}_{1.004}$ $b = {}^{0.995}_{0.895}$ *B3*

$\mu = 302$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.30\ ^{1.28}_{1.30}$ — $a = {}^{1.004}_{1.007}$ $b = {}^{0.875}_{0.786}$ *Sun*

$I_{asym} = -0.10$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.45\ ^{1.42}_{1.44}$ — $\frac{A(\lambda)}{E(B-V)}$: $(4.063, 0.037)^{r=0.99}_{B3}$ $(4.269, 0.053)^{r=1.00}_{Sun}$ $(4.733, 0.038)^{r=0.99}_{M2}$

$I_{kurt} = -0.54$ — $\lambda_{eff} = 4468.7 + 81.2 \times E(B-V)$ r=1.00 — $W_{eff} = 849.8 - 78.7 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 4381 + 197 \times \theta + 113 \times \theta^2 - 78 \times \theta^3$ — $W_{eff}(T) = 771 + 327 \times \theta - 542 \times \theta^2 + 125 \times \theta^3$

V

$\lambda_c = 5409$	$\lambda_\circ = 5496$	$\lambda_{peak} = 5110$	$\lambda_{gauss} = 5393$
WHM = 825	W10% = 1434	W80% = 490	FWHM = 804

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5423	5432	5485	5531	5588	5681
[830]	[835]	[850]	[834]	[786]	[671]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5463	5541	5156	5552	5252	5426

$W_\circ = 856$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 1.00\ ^{1.00}_{1.00}$ — $a = {}^{1.004}_{0.999}$ $b = {}^{0.035}_{-0.006}$ *B3*

$\mu = 358$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 1.00\ ^{1.00}_{1.00}$ — $a = {}^{1.001}_{0.995}$ $b = {}^{0.005}_{-0.036}$ *Sun*

$I_{asym} = 0.72$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 1.00\ ^{1.00}_{1.00}$ — $\frac{A(\lambda)}{E(B-V)}$: $(3.136, 0.023)^{r=0.99}_{B3}$ $(3.318, 0.029)^{r=1.00}_{Sun}$ $(3.691, 0.005)^{r=0.77}_{M2}$

$I_{kurt} = -0.00$ — $\lambda_{eff} = 5491.8 + 105.7 \times E(B-V)$ r=1.00 — $W_{eff} = 877.3 - 87.0 \times E(B-V)$ r=-0.98

$\lambda_{eff}(T) = 5411 + 114 \times \theta + 157 \times \theta^2 - 57 \times \theta^3$ — $W_{eff}(T) = 816 + 157 \times \theta - 149 \times \theta^2 - 57 \times \theta^3$

R

$\lambda_c = 6727$	$\lambda_\circ = 6860$	$\lambda_{peak} = 6440$	$\lambda_{gauss} = 6713$
WHM = 1933	W10% = 3225	W80% = 1011	FWHM = 1827

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6588	6617	6737	6833	7098	6949
[1766]	[1801]	[1899]	[1924]	[1778]	[1738]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6683	6637	6616	6688	6735	6595

$W_\circ = 1945$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 0.76\ ^{0.74}_{0.80}$ — $a = {}^{0.906}_{0.884}$ $b = {}^{-0.287}_{-0.332}$ *B3*

$\mu = 766$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 0.72\ ^{0.70}_{0.75}$ — $a = {}^{0.892}_{0.869}$ $b = {}^{-0.315}_{-0.364}$ *Sun*

$I_{asym} = 0.46$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 0.66\ ^{0.64}_{0.69}$ — $\frac{A(\lambda)}{E(B-V)}$: $(2.393, -0.021)^{r=-1.00}_{B3}$ $(2.488, -0.022)^{r=-1.00}_{Sun}$ $(2.627, -0.049)^{r=-1.00}_{M2}$

$I_{kurt} = -0.44$ — $\lambda_{eff} = 6857.6 + 278.7 \times E(B-V)$ r=1.00 — $W_{eff} = 2006.8 - 294.0 \times E(B-V)$ r=-0.99

$\lambda_{eff}(T) = 6550 + 313 \times \theta + 463 \times \theta^2 - 193 \times \theta^3$ — $W_{eff}(T) = 1695 + 700 \times \theta - 340 \times \theta^2 - 354 \times \theta^3$

I

$\lambda_c = 7748$	$\lambda_\circ = 7834$	$\lambda_{peak} = 7638$	$\lambda_{gauss} = 7745$
WHM = 1108	W10% = 1925	W80% = 631	FWHM = 1075

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
7747	7758	7787	7813	7873	7838
[1111]	[1121]	[1132]	[1139]	[1087]	[1260]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7767	7786	7656	7759	7773	7757

$W_\circ = 1144$ — $\frac{A(\lambda)}{A(V)}|_{5.0} = 0.63\ ^{0.64}_{0.65}$ — $a = {}^{0.804}_{0.798}$ $b = {}^{-0.523}_{-0.536}$ *B3*

$\mu = 449$ — $\frac{A(\lambda)}{A(V)}|_{3.1} = 0.59\ ^{0.59}_{0.62}$ — $a = {}^{0.800}_{0.794}$ $b = {}^{-0.531}_{-0.544}$ *Sun*

$I_{asym} = 0.48$ — $\frac{A(\lambda)}{A(V)}|_{2.1} = 0.52\ ^{0.52}_{0.56}$ — $\frac{A(\lambda)}{E(B-V)}$: $(1.836, 0.021)^{r=0.99}_{B3}$ $(1.956, 0.027)^{r=1.00}_{Sun}$ $(2.193, 0.016)^{r=0.99}_{M2}$

$I_{kurt} = -0.31$ — $\lambda_{eff} = 7831.9 + 76.6 \times E(B-V)$ r=1.00 — $W_{eff} = 1156.6 - 48.7 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 7737 + 87 \times \theta + 108 \times \theta^2 - 40 \times \theta^3$ — $W_{eff}(T) = 1103 + 89 \times \theta - 4 \times \theta^2 - 68 \times \theta^3$