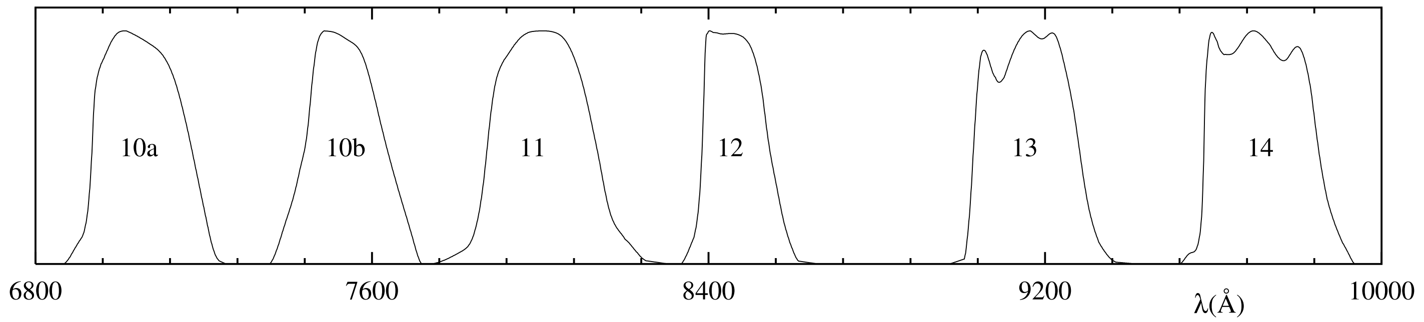

10a

$\lambda_c = 7052$	$\lambda_\circ = 7053$	$\lambda_{peak} = 7012$	$\lambda_{gauss} = 7048$
WHM = 236	W10% = 313	W80% = 182	FWHM = 215
$W_\circ = 229$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.76\,^{0.76}_{0.79}$	$a = ^{0.864}_{0.864}$ $b = ^{-0.377}_{-0.377}$	*B3*
$\mu = 75$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.70\,^{0.69}_{0.73}$	$a = ^{0.864}_{0.864}$ $b = ^{-0.377}_{-0.377}$	*Sun*
$I_{asym} = 0.13$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.61\,^{0.60}_{0.65}$	$\frac{A(\lambda)}{E(B-V)}$:	$(2.125, 0.039)^{r=1.00}_{B3}$ $(2.282, 0.050)^{r=1.00}_{Sun}$ $(2.613, 0.043)^{r=1.00}_{M2}$
$I_{kurt} = -0.87$	$\lambda_{eff} = 7052.6 + 2.6 \times E(B-V)$ r=1.00	$W_{eff} = 229.2 - 0.5 \times E(B-V)$ r=−0.96	
	$\lambda_{eff}(T) = 7049 + 4 \times \theta + 4 \times \theta^2 - 2 \times \theta^3$	$W_{eff}(T) = 229 + 1 \times \theta - 0 \times \theta^2 - 1 \times \theta^3$	

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
7050	7050	7051	7052	7040	7049
[229]	[229]	[229]	[229]	[226]	[241]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7064	7058	7097	7056	7068	7050

10b

$\lambda_c = 7538$	$\lambda_\circ = 7536$	$\lambda_{peak} = 7486$	$\lambda_{gauss} = 7533$
WHM = 194	W10% = 318	W80% = 135	FWHM = 191
$W_\circ = 204$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.68\,^{0.68}_{0.70}$	$a = ^{0.822}_{0.822}$ $b = ^{-0.479}_{-0.479}$	*B3*
$\mu = 71$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.63\,^{0.62}_{0.66}$	$a = ^{0.822}_{0.821}$ $b = ^{-0.479}_{-0.480}$	*Sun*
$I_{asym} = 0.10$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.55\,^{0.54}_{0.59}$	$\frac{A(\lambda)}{E(B-V)}$:	$(1.913, 0.035)^{r=1.00}_{B3}$ $(2.054, 0.045)^{r=1.00}_{Sun}$ $(2.347, 0.038)^{r=1.00}_{M2}$
$I_{kurt} = -0.64$	$\lambda_{eff} = 7535.9 + 2.1 \times E(B-V)$ r=1.00	$W_{eff} = 203.9 - 0.3 \times E(B-V)$ r=−0.96	
	$\lambda_{eff}(T) = 7533 + 3 \times \theta + 3 \times \theta^2 - 1 \times \theta^3$	$W_{eff}(T) = 204 + 1 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$	

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
7534	7534	7535	7536	7534	7546
[204]	[204]	[203]	[203]	[201]	[199]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7531	7531	7517	7527	7535	7526

11

$\lambda_c = 8004$	$\lambda_\circ = 8007$	$\lambda_{peak} = 8006$	$\lambda_{gauss} = 8004$
WHM = 261	W10% = 369	W80% = 200	FWHM = 246
$W_\circ = 262$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.62\,^{0.61}_{0.64}$	$a = ^{0.781}_{0.781}$ $b = ^{-0.571}_{-0.572}$	*B3*
$\mu = 88$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.57\,^{0.56}_{0.60}$	$a = ^{0.781}_{0.781}$ $b = ^{-0.572}_{-0.572}$	*Sun*
$I_{asym} = 0.12$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.50\,^{0.49}_{0.54}$	$\frac{A(\lambda)}{E(B-V)}$:	$(1.729, 0.032)^{r=1.00}_{B3}$ $(1.857, 0.040)^{r=1.00}_{Sun}$ $(2.118, 0.034)^{r=1.00}_{M2}$
$I_{kurt} = -0.53$	$\lambda_{eff} = 8007.4 + 2.8 \times E(B-V)$ r=1.00	$W_{eff} = 262.1 - 0.5 \times E(B-V)$ r=−0.96	
	$\lambda_{eff}(T) = 8004 + 4 \times \theta + 4 \times \theta^2 - 2 \times \theta^3$	$W_{eff}(T) = 262 + 1 \times \theta - 0 \times \theta^2 - 1 \times \theta^3$	

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
8004	8004	8006	8006	8012	7977
[262]	[262]	[262]	[262]	[261]	[235]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
8006	8008	8007	8007	8008	8004

12

$\lambda_c = 8464$	$\lambda_\circ = 8467$	$\lambda_{peak} = 8403$	$\lambda_{gauss} = 8462$
WHM = 160	W10% = 230	W80% = 130	FWHM = 156
$W_\circ = 166$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.56\,^{0.55}_{0.57}$	$a = ^{0.738}_{0.738}$ $b = ^{-0.630}_{-0.630}$	*B3*
$\mu = 54$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.51\,^{0.51}_{0.54}$	$a = ^{0.738}_{0.738}$ $b = ^{-0.630}_{-0.630}$	*Sun*
$I_{asym} = 0.24$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.46\,^{0.45}_{0.49}$	$\frac{A(\lambda)}{E(B-V)}$:	$(1.569, 0.029)^{r=1.00}_{B3}$ $(1.686, 0.037)^{r=1.00}_{Sun}$ $(1.926, 0.032)^{r=1.00}_{M2}$
$I_{kurt} = -0.68$	$\lambda_{eff} = 8467.0 + 0.9 \times E(B-V)$ r=1.00	$W_{eff} = 166.1 - 0.1 \times E(B-V)$ r=−0.96	
	$\lambda_{eff}(T) = 8466 + 1 \times \theta + 1 \times \theta^2 - 1 \times \theta^3$	$W_{eff}(T) = 166 + 0 \times \theta + 0 \times \theta^2 - 0 \times \theta^3$	

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
8466	8466	8465	8466	8465	8475
[166]	[166]	[168]	[168]	[169]	[163]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
8466	8468	8466	8464	8464	8466

13

$\lambda_c = 9156$	$\lambda_\circ = 9162$	$\lambda_{peak} = 9165$	$\lambda_{gauss} = 9160$
WHM = 250	W10% = 312	W80% = 211	FWHM = 224
$W_\circ = 239$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.48\,^{0.47}_{0.50}$	$a = ^{0.661}_{0.661}$ $b = ^{-0.607}_{-0.607}$	*B3*
$\mu = 78$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.45\,^{0.44}_{0.48}$	$a = ^{0.661}_{0.661}$ $b = ^{-0.607}_{-0.607}$	*Sun*
$I_{asym} = 0.07$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.41\,^{0.40}_{0.44}$	$\frac{A(\lambda)}{E(B-V)}$:	$(1.372, 0.026)^{r=1.00}_{B3}$ $(1.473, 0.032)^{r=1.00}_{Sun}$ $(1.682, 0.028)^{r=1.00}_{M2}$
$I_{kurt} = -0.90$	$\lambda_{eff} = 9161.6 + 1.5 \times E(B-V)$ r=1.00	$W_{eff} = 238.6 - 0.2 \times E(B-V)$ r=−0.96	
	$\lambda_{eff}(T) = 9159 + 2 \times \theta + 2 \times \theta^2 - 1 \times \theta^3$	$W_{eff}(T) = 238 + 0 \times \theta + 0 \times \theta^2 - 0 \times \theta^3$	

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
9158	9158	9160	9160	9161	9102
[238]	[237]	[239]	[238]	[238]	[129]

14

$\lambda_c = 9714$	$\lambda_\circ = 9717$	$\lambda_{peak} = 9696$	$\lambda_{gauss} = 9713$
WHM = 272	W10% = 340	W80% = 244	FWHM = 250
$W_\circ = 266$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.43\,^{0.42}_{0.44}$	$a = ^{0.601}_{0.601}$ $b = ^{-0.552}_{-0.552}$	*B3*
$\mu = 85$	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.41\,^{0.40}_{0.42}$	$a = ^{0.601}_{0.601}$ $b = ^{-0.552}_{-0.552}$	*Sun*
$I_{asym} = 0.12$	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.38\,^{0.37}_{0.40}$	$\frac{A(\lambda)}{E(B-V)}$:	$(1.239, 0.023)^{r=1.00}_{B3}$ $(1.330, 0.029)^{r=1.00}_{Sun}$ $(1.519, 0.025)^{r=1.00}_{M2}$
$I_{kurt} = -0.97$	$\lambda_{eff} = 9717.2 + 1.6 \times E(B-V)$ r=1.00	$W_{eff} = 265.7 - 0.2 \times E(B-V)$ r=−0.96	
	$\lambda_{eff}(T) = 9714 + 2 \times \theta + 2 \times \theta^2 - 1 \times \theta^3$	$W_{eff}(T) = 265 + 0 \times \theta + 0 \times \theta^2 - 0 \times \theta^3$	

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
9715	9716	9716	9717	9717	9737
[265]	[265]	[266]	[266]	[266]	[254]