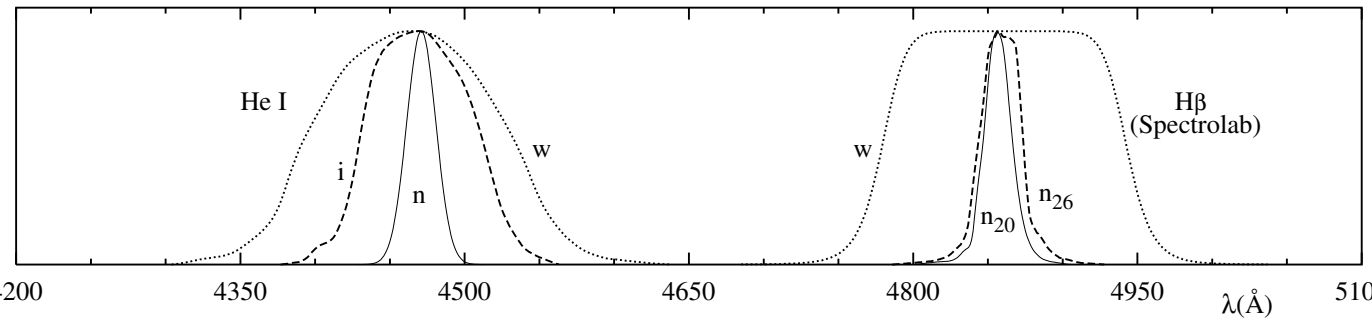

He I$_{narrow}$ (interference filter) assumed profile: gaussian

			B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4471$			4471	4471	4471	4472	4472	4472
WHM = 23			[25]	[25]	[24]	[24]	[25]	[25]
$W_\circ = 24$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\ ^{1.18}_{1.23}$	$a = {}^{1.003}_{1.003}\ b = {}^{0.916}_{0.916}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.32\ ^{1.30}_{1.38}$	$a = {}^{1.003}_{1.003}\ b = {}^{0.915}_{0.915}$ *Sun*	4471	4470	4471	4471	4471	4471
	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.47\ ^{1.43}_{1.57}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.013, 0.075)^{r=1.00}_{B3}$	$(4.310, 0.095)^{r=1.00}_{Sun}$			$(4.922, 0.082)^{r=1.00}_{M2}$		
	$\lambda_{eff} = 4471.0 + 0.1 \times E(B-V)$ r=1.00		$W_{eff} = 24.5 - 0.0 \times E(B-V)$ r=-0.96					
	$\lambda_{eff}(T) = 4470.9 + 0.2 \times \theta + 0.1 \times \theta^2 - 0.1 \times \theta^3$		$W_{eff}(T) = 24.5 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$					

He I$_{interm}$

			B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4471$	$\lambda_\circ = 4471$	$\lambda_{peak} = 4469$ $\lambda_{gauss} = 4470$	4470	4470	4472	4474	4475	4472
WHM = 85	W10% = 127	W80% = 60 FWHM = 80	[85]	[85]	[85]	[83]	[82]	[84]
$W_\circ = 85$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\ ^{1.18}_{1.23}$	$a = {}^{1.003}_{1.003}\ b = {}^{0.917}_{0.916}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 30$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.32\ ^{1.30}_{1.38}$	$a = {}^{1.003}_{1.003}\ b = {}^{0.914}_{0.913}$ *Sun*	4473	4469	4471	4471	4473	4471
$I_{asym} = 0.08$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.47\ ^{1.43}_{1.57}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.013, 0.075)^{r=1.00}_{B3}$	$(4.309, 0.095)^{r=1.00}_{Sun}$			$(4.918, 0.081)^{r=1.00}_{M2}$		
$I_{kurt} = -0.46$	$\lambda_{eff} = 4471.0 + 0.8 \times E(B-V)$ r=1.00		$W_{eff} = 85.2 - 0.1 \times E(B-V)$ r=-0.96					
	$\lambda_{eff}(T) = 4470 + 2 \times \theta + 1 \times \theta^2 - 1 \times \theta^3$		$W_{eff}(T) = 85 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$					

He I$_{wide}$

			B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4463$	$\lambda_\circ = 4463$	$\lambda_{peak} = 4467$ $\lambda_{gauss} = 4463$	4462	4463	4466	4469	4472	4468
WHM = 146	W10% = 215	W80% = 93 FWHM = 134	[142]	[142]	[142]	[141]	[142]	[127]
$W_\circ = 143$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.19\ ^{1.18}_{1.23}$	$a = {}^{1.003}_{1.003}\ b = {}^{0.927}_{0.925}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 51$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.32\ ^{1.30}_{1.38}$	$a = {}^{1.003}_{1.003}\ b = {}^{0.922}_{0.919}$ *Sun*	4467	4463	4449	4461	4459	4465
$I_{asym} = 0.03$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.47\ ^{1.43}_{1.57}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.021, 0.074)^{r=1.00}_{B3}$	$(4.315, 0.094)^{r=1.00}_{Sun}$			$(4.922, 0.080)^{r=1.00}_{M2}$		
$I_{kurt} = -0.41$	$\lambda_{eff} = 4463.4 + 2.4 \times E(B-V)$ r=1.00		$W_{eff} = 143.1 - 0.5 \times E(B-V)$ r=-0.96					
	$\lambda_{eff}(T) = 4461 + 5 \times \theta + 4 \times \theta^2 - 2 \times \theta^3$		$W_{eff}(T) = 143 + 1 \times \theta - 2 \times \theta^2 - 0 \times \theta^3$					

Hβ_{narrow}

			B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4856$	$\lambda_\circ = 4857$	$\lambda_{peak} = 4856$ $\lambda_{gauss} = 4857$	4856	4855	4856	4857	4857	4856
WHM = 20	W10% = 39	W80% = 12 FWHM = 22	[24]	[24]	[23]	[23]	[23]	[23]
$W_\circ = 23$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.12\ ^{1.11}_{1.15}$	$a = {}^{1.015}_{1.015}\ b = {}^{0.466}_{0.466}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 11$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.19\ ^{1.17}_{1.25}$	$a = {}^{1.015}_{1.015}\ b = {}^{0.466}_{0.466}$ *Sun*	4858	4857	4860	4861	4857	4856
$I_{asym} = -0.17$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.28\ ^{1.25}_{1.37}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.632, 0.068)^{r=1.00}_{B3}$	$(3.902, 0.086)^{r=1.00}_{Sun}$			$(4.455, 0.074)^{r=1.00}_{M2}$		
$I_{kurt} = 2.16$	$\lambda_{eff} = 4856.8 + 0.1 \times E(B-V)$ r=1.00		$W_{eff} = 23.2 - 0.0 \times E(B-V)$ r=-0.96					
	$\lambda_{eff}(T) = 4857 + 0 \times \theta + 0 \times \theta^2 - 0 \times \theta^3$		$W_{eff}(T) = 23 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$					

Hβ_{narrow}

			B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4859$	$\lambda_\circ = 4859$	$\lambda_{peak} = 4857$ $\lambda_{gauss} = 4859$	4858	4858	4858	4859	4860	4858
WHM = 31	W10% = 54	W80% = 22 FWHM = 32	[34]	[35]	[34]	[34]	[34]	[33]
$W_\circ = 34$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.12\ ^{1.11}_{1.15}$	$a = {}^{1.015}_{1.015}\ b = {}^{0.464}_{0.464}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 14$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.19\ ^{1.17}_{1.25}$	$a = {}^{1.015}_{1.015}\ b = {}^{0.464}_{0.464}$ *Sun*	4860	4859	4861	4861	4859	4858
$I_{asym} = -0.05$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.28\ ^{1.25}_{1.37}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.630, 0.068)^{r=1.00}_{B3}$	$(3.899, 0.086)^{r=1.00}_{Sun}$			$(4.452, 0.074)^{r=1.00}_{M2}$		
$I_{kurt} = 1.88$	$\lambda_{eff} = 4858.8 + 0.2 \times E(B-V)$ r=1.00		$W_{eff} = 33.9 - 0.0 \times E(B-V)$ r=-0.96					
	$\lambda_{eff}(T) = 4859 + 0 \times \theta + 0 \times \theta^2 - 0 \times \theta^3$		$W_{eff}(T) = 34 + 0 \times \theta - 0 \times \theta^2 - 0 \times \theta^3$					

Hβ_{wide} (interference filter) assumed profile: three-cavity

			B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4861$			4859	4859	4860	4861	4870	4856
WHM = 163			[166]	[166]	[167]	[167]	[160]	[163]
$W_\circ = 167$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.12\ ^{1.11}_{1.15}$	$a = {}^{1.015}_{1.015}\ b = {}^{0.463}_{0.461}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.19\ ^{1.17}_{1.25}$	$a = {}^{1.015}_{1.015}\ b = {}^{0.463}_{0.460}$ *Sun*	4863	4859	4897	4862	4907	4859
	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.28\ ^{1.25}_{1.37}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.629, 0.067)^{r=1.00}_{B3}$	$(3.898, 0.085)^{r=1.00}_{Sun}$			$(4.440, 0.072)^{r=1.00}_{M2}$		
	$\lambda_{eff} = 4861.0 + 2.5 \times E(B-V)$ r=1.00		$W_{eff} = 166.8 - 0.7 \times E(B-V)$ r=-0.96					
	$\lambda_{eff}(T) = 4859 + 4 \times \theta + 3 \times \theta^2 - 2 \times \theta^3$		$W_{eff}(T) = 166 + 1 \times \theta - 1 \times \theta^2 - 0 \times \theta^3$					