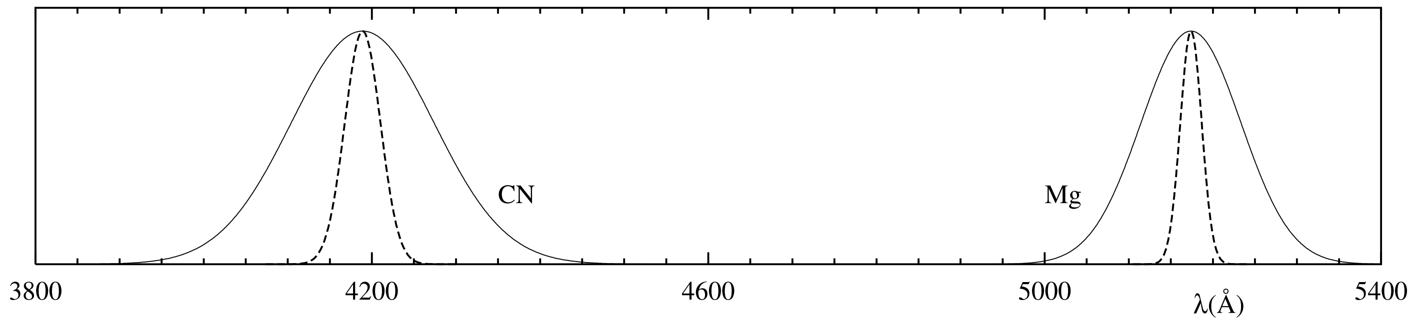
Jones and Dixon - 1972



$\mathbf{CN}_{narrow}$ (interference filter) assumed profile: gaussian

$\lambda_c = 4189$

WHM $= 50$

$W_\circ = 53$

	B3	Vega	Sun	K2	M2	Carbon
λ	4189	4189	4188	4189	4188	4187
W	[53]	[53]	[53]	[54]	[52]	[61]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
4190	4188	4189	4189	4189	4189

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.25\ ^{1.23}_{1.29}$ $\quad a = {}^{0.990}_{0.990}\quad b = {}^{1.275}_{1.275}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.40\ ^{1.38}_{1.47}$ $\quad a = {}^{0.990}_{0.990}\quad b = {}^{1.276}_{1.275}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.60\ ^{1.56}_{1.71}$ $\quad \frac{A(\lambda)}{E(B-V)}: \quad (4.270, 0.080)^{r=1.00}_{B3} \quad (4.588, 0.101)^{r=1.00}_{Sun} \quad (5.241, 0.087)^{r=1.00}_{M2}$

$\lambda_{eff} = 4189.0 + 0.4 \times E(B-V)$ r=1.00

$W_{eff} = 53.2 - 0.0 \times E(B-V)$ r=-0.95

$\lambda_{eff}(T) = 4188.5 + 1.0 \times \theta + 0.7 \times \theta^2 - 0.4 \times \theta^3$

$W_{eff}(T) = 53.2 + 0.1 \times \theta - 0.1 \times \theta^2 - 0.0 \times \theta^3$

$\mathbf{CN}_{wide}$ (interference filter) assumed profile: gaussian

$\lambda_c = 4189$

WHM $= 200$

$W_\circ = 213$

	B3	Vega	Sun	K2	M2	Carbon
λ	4185	4187	4186	4195	4206	4172
W	[213]	[215]	[209]	[214]	[219]	[206]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
4175	4183	4185	4187	4188	4188

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.24\ ^{1.23}_{1.29}$ $\quad a = {}^{0.990}_{0.990}\quad b = {}^{1.281}_{1.274}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.40\ ^{1.38}_{1.47}$ $\quad a = {}^{0.990}_{0.990}\quad b = {}^{1.278}_{1.271}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.60\ ^{1.56}_{1.72}$ $\quad \frac{A(\lambda)}{E(B-V)}: \quad (4.273, 0.078)^{r=1.00}_{B3} \quad (4.588, 0.098)^{r=1.00}_{Sun} \quad (5.220, 0.082)^{r=1.00}_{M2}$

$\lambda_{eff} = 4188.9 + 6.1 \times E(B-V)$ r=1.00

$W_{eff} = 213.3 - 1.4 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 4181.8 + 16.8 \times \theta + 11.0 \times \theta^2 - 5.7 \times \theta^3$

$W_{eff}(T) = 211.7 + 6.6 \times \theta - 9.7 \times \theta^2 - 1.1 \times \theta^3$

$\mathbf{Mg}_{narrow}$ (interference filter) assumed profile: gaussian

$\lambda_c = 5174$

WHM $= 30$

$W_\circ = 32$

	B3	Vega	Sun	K2	M2	Carbon
λ	5174	5174	5174	5174	5172	5181
W	[32]	[32]	[32]	[32]	[31]	[20]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
5174	5173	5181	5174	5173	5174

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.06\ ^{1.05}_{1.09}$ $\quad a = {}^{1.014}_{1.014}\quad b = {}^{0.189}_{0.189}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.09\ ^{1.08}_{1.14}$ $\quad a = {}^{1.014}_{1.014}\quad b = {}^{0.189}_{0.189}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.14\ ^{1.11}_{1.21}$ $\quad \frac{A(\lambda)}{E(B-V)}: \quad (3.332, 0.062)^{r=1.00}_{B3} \quad (3.580, 0.079)^{r=1.00}_{Sun} \quad (4.091, 0.068)^{r=1.00}_{M2}$

$\lambda_{eff} = 5174.0 + 0.1 \times E(B-V)$ r=1.00

$W_{eff} = 31.9 - 0.0 \times E(B-V)$ r=-0.96

$\lambda_{eff}(T) = 5173.9 + 0.2 \times \theta + 0.2 \times \theta^2 - 0.1 \times \theta^3$

$W_{eff}(T) = 31.9 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

$\mathbf{Mg}_{wide}$ (interference filter) assumed profile: gaussian

$\lambda_c = 5174$

WHM $= 140$

$W_\circ = 149$

	B3	Vega	Sun	K2	M2	Carbon
λ	5172	5172	5173	5176	5178	5220
W	[149]	[149]	[149]	[149]	[149]	[81]

WN	WC	PN_{Ne}	PN^{Ne}	Nova	WDA
5173	5172	5091	5173	5130	5172

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.06\ ^{1.05}_{1.09}$ $\quad a = {}^{1.014}_{1.014}\quad b = {}^{0.191}_{0.189}\quad B3$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.09\ ^{1.08}_{1.13}$ $\quad a = {}^{1.014}_{1.014}\quad b = {}^{0.190}_{0.188}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.14\ ^{1.11}_{1.19}$ $\quad \frac{A(\lambda)}{E(B-V)}: \quad (3.334, 0.061)^{r=1.00}_{B3} \quad (3.581, 0.077)^{r=1.00}_{Sun} \quad (4.084, 0.065)^{r=1.00}_{M2}$

$\lambda_{eff} = 5174.0 + 3.1 \times E(B-V)$ r=1.00

$W_{eff} = 149.2 - 0.6 \times E(B-V)$ r=-0.97

$\lambda_{eff}(T) = 5171.2 + 4.8 \times \theta + 4.2 \times \theta^2 - 2.0 \times \theta^3$

$W_{eff}(T) = 148.8 + 1.0 \times \theta - 1.0 \times \theta^2 - 0.4 \times \theta^3$