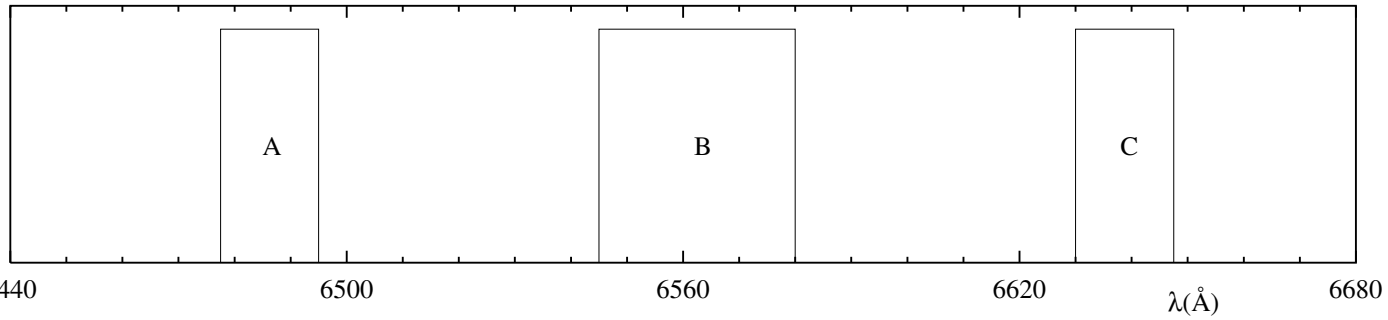
Hα - Peat - 1964



A original profile: rectangular
$\lambda_c = 6486.2$
WHM = 17.5

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6486.2	6486.2	6486.3	6486.3	6486.1	6485.2
[17.5]	[17.5]	[17.5]	[17.5]	[17.6]	[16.7]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.85\ ^{0.84}_{0.88}$ $\frac{A(\lambda)}{A(V)}|_{3.1} = 0.79\ ^{0.78}_{0.83}$ $\frac{A(\lambda)}{A(V)}|_{2.1} = 0.71\ ^{0.69}_{0.76}$

$a = {}^{0.916}_{0.916}$ $b = {}^{-0.268}_{-0.268}$ *B3*

$a = {}^{0.916}_{0.916}$ $b = {}^{-0.268}_{-0.268}$ *Sun*

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6486.1	6486.2	6484.8	6486.3	6486.2	6486.2

$\frac{A(\lambda)}{E(B-V)}$: $(2.408, 0.045)^{r=1.00}_{B3}$ $(2.595, 0.057)^{r=1.00}_{Sun}$ $(2.968, 0.046)^{r=1.00}_{M2}$

$\lambda_{eff} = 6486.2 + 0.0 \times E(B-V)$ r=1.00 $W_{eff} = 17.5 - 0.0 \times E(B-V)$ r=−0.92

$\lambda_{eff}(T) = 6486.2 + 0.0 \times \theta + 0.0 \times \theta^2 - 0.0 \times \theta^3$ $W_{eff}(T) = 17.5 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

B original profile: rectangular
$\lambda_c = 6562.5$
WHM = 35.0

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6562.2	6562.1	6562.3	6562.5	6562.7	6562.5
[35.0]	[35.0]	[35.0]	[35.0]	[35.0]	[35.0]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.84\ ^{0.83}_{0.87}$ $\frac{A(\lambda)}{A(V)}|_{3.1} = 0.78\ ^{0.76}_{0.81}$ $\frac{A(\lambda)}{A(V)}|_{2.1} = 0.69\ ^{0.68}_{0.74}$

$a = {}^{0.909}_{0.909}$ $b = {}^{-0.282}_{-0.282}$ *B3*

$a = {}^{0.909}_{0.909}$ $b = {}^{-0.282}_{-0.282}$ *Sun*

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6563.1	6564.8	6560.0	6563.0	6564.1	6562.3

$\frac{A(\lambda)}{E(B-V)}$: $(2.367, 0.044)^{r=1.00}_{B3}$ $(2.551, 0.056)^{r=1.00}_{Sun}$ $(2.917, 0.045)^{r=1.00}_{M2}$

$\lambda_{eff} = 6562.5 + 0.1 \times E(B-V)$ r=1.00 $W_{eff} = 35.0 - 0.1 \times E(B-V)$ r=−0.93

$\lambda_{eff}(T) = 6562.4 + 0.1 \times \theta + 0.1 \times \theta^2 - 0.0 \times \theta^3$ $W_{eff}(T) = 34.9 + 0.3 \times \theta - 0.0 \times \theta^2 - 0.1 \times \theta^3$

C original profile: rectangular
$\lambda_c = 6638.8$
WHM = 17.5

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6638.7	6638.7	6638.7	6638.8	6638.8	6638.4
[17.5]	[17.5]	[17.5]	[17.5]	[17.5]	[17.5]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.83\ ^{0.82}_{0.86}$ $\frac{A(\lambda)}{A(V)}|_{3.1} = 0.76\ ^{0.75}_{0.80}$ $\frac{A(\lambda)}{A(V)}|_{2.1} = 0.68\ ^{0.66}_{0.73}$

$a = {}^{0.902}_{0.902}$ $b = {}^{-0.296}_{-0.296}$ *B3*

$a = {}^{0.902}_{0.902}$ $b = {}^{-0.296}_{-0.296}$ *Sun*

WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6638.8	6638.7	6638.6	6638.8	6638.8	6638.8

$\frac{A(\lambda)}{E(B-V)}$: $(2.327, 0.044)^{r=1.00}_{B3}$ $(2.508, 0.055)^{r=1.00}_{Sun}$ $(2.868, 0.044)^{r=1.00}_{M2}$

$\lambda_{eff} = 6638.7 + 0.0 \times E(B-V)$ r=1.00 $W_{eff} = 17.5 - 0.0 \times E(B-V)$ r=−0.93

$\lambda_{eff}(T) = 6638.7 + 0.0 \times \theta + 0.0 \times \theta^2 - 0.0 \times \theta^3$ $W_{eff}(T) = 17.5 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$