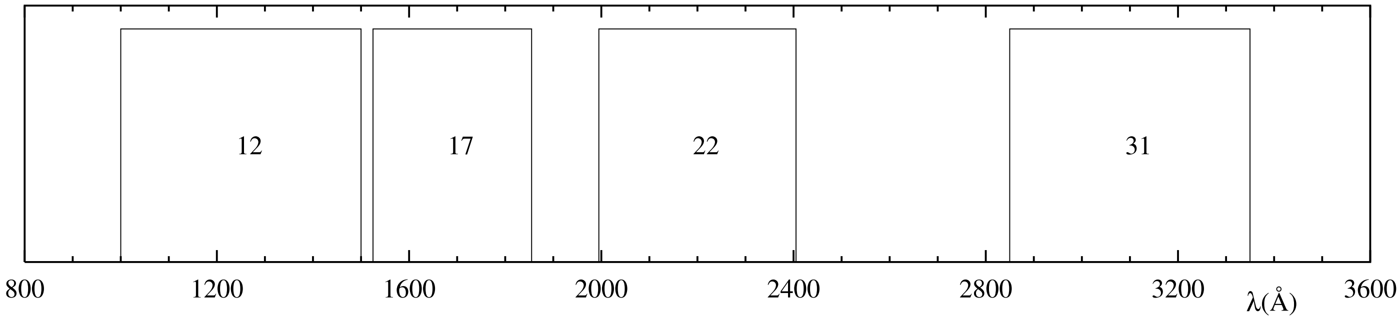
D2B Aura - 1975



12 original profile: rectangular

$\lambda_c = 1250$

WHM = 500

40000	*30000*	*20000*	ι *Her*	*Vega*	*Sun*
1203	1209	1236	1250	1400	1435
[459]	[475]	[496]	[500]	[216]	[145]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.78\ {}^{1.62}_{1.82}$ $\quad a = {}^{-1.075}_{-0.643}\quad b = {}^{13.682}_{10.893}\quad \iota\ Her$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 3.09\ {}^{2.76}_{3.16}$ $\quad a = {}^{-0.531}_{-0.495}\quad b = {}^{10.226}_{10.012}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 5.61\ {}^{5.00}_{5.65}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (10.787, -0.754)^{r=-0.95}_{40000}\quad (10.270, -0.537)^{r=-0.93}_{\iota Her}\quad (9.113, 0.132)^{r=0.99}_{Sun}$

$\lambda_{eff} = 1289.8 + 84.8 \times E(B-V)\quad r{=}0.94$ $\qquad W_{eff} = 454.0 - 175.6 \times E(B-V)\quad r{=}{-0.96}$

$\lambda_{eff}(T) = 1160 + 995 \times \theta - 1204 \times \theta^2 + 514 \times \theta^3$ $\qquad W_{eff}(T) = 602 - 1209 \times \theta + 832 \times \theta^2 - 122 \times \theta^3$

17 original profile: rectangular

$\lambda_c = 1690$

WHM = 330

40000	*30000*	*20000*	ι *Her*	*Vega*	*Sun*
1678	1681	1680	1682	1690	1791
[323]	[325]	[325]	[326]	[330]	[144]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.61\ {}^{1.58}_{1.65}$ $\quad a = {}^{-0.180}_{-0.176}\quad b = {}^{8.357}_{8.343}\quad \iota\ Her$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 2.55\ {}^{2.51}_{2.55}$ $\quad a = {}^{-0.101}_{-0.102}\quad b = {}^{8.112}_{8.114}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 4.34\ {}^{4.22}_{4.25}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (7.708, 0.137)^{r=1.00}_{40000}\quad (7.784, 0.142)^{r=1.00}_{\iota Her}\quad (8.350, 0.182)^{r=1.00}_{Sun}$

$\lambda_{eff} = 1690.1 + 3.6 \times E(B-V)\quad r{=}1.00$ $\qquad W_{eff} = 330.2 - 0.8 \times E(B-V)\quad r{=}{-0.97}$

$\lambda_{eff}(T) = 1663 + 199 \times \theta - 47 \times \theta^2 - 21 \times \theta^3$ $\qquad W_{eff}(T) = 325 + 123 \times \theta - 817 \times \theta^2 + 514 \times \theta^3$

22 original profile: rectangular

$\lambda_c = 2200$

WHM = 410

40000	*30000*	*20000*	ι *Her*	*Vega*	*Sun*
2181	2182	2183	2183	2186	2241
[399]	[401]	[402]	[403]	[404]	[355]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.99\ {}^{1.97}_{2.01}$ $\quad a = {}^{0.007}_{0.046}\quad b = {}^{9.826}_{9.495}\quad \iota\ Her$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 2.89\ {}^{2.86}_{2.91}$ $\quad a = {}^{0.071}_{0.122}\quad b = {}^{9.247}_{8.681}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 4.35\ {}^{4.27}_{4.33}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (8.931, 0.020)^{r=0.95}_{40000}\quad (9.019, 0.021)^{r=0.96}_{\iota Her}\quad (9.681, 0.022)^{r=1.00}_{Sun}$

$\lambda_{eff} = 2196.2 + 49.8 \times E(B-V)\quad r{=}1.00$ $\qquad W_{eff} = 436.5 - 88.0 \times E(B-V)\quad r{=}{-0.97}$

$\lambda_{eff}(T) = 2170 + 159 \times \theta + 18 \times \theta^2 - 41 \times \theta^3$ $\qquad W_{eff}(T) = 388 + 271 \times \theta - 926 \times \theta^2 + 496 \times \theta^3$

31 original profile: rectangular

$\lambda_c = 3100$

WHM = 500

40000	*30000*	*20000*	ι *Her*	*Vega*	*Sun*
3076	3077	3081	3084	3096	3133
[486]	[488]	[492]	[494]	[499]	[472]

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.45\ {}^{1.43}_{1.44}$ $\quad a = {}^{0.693}_{0.715}\quad b = {}^{3.348}_{3.223}\quad \iota\ Her$

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.79\ {}^{1.77}_{1.77}$ $\quad a = {}^{0.730}_{0.751}\quad b = {}^{3.142}_{3.027}\quad Sun$

$\frac{A(\lambda)}{A(V)}|_{2.1} = 2.29\ {}^{2.24}_{2.25}$ $\quad \frac{A(\lambda)}{E(B-V)}:\quad (5.457, 0.074)^{r=0.99}_{40000}\quad (5.500, 0.077)^{r=1.00}_{\iota Her}\quad (5.823, 0.103)^{r=1.00}_{Sun}$

$\lambda_{eff} = 3100.2 + 30.7 \times E(B-V)\quad r{=}1.00$ $\qquad W_{eff} = 509.5 - 36.9 \times E(B-V)\quad r{=}{-0.98}$

$\lambda_{eff}(T) = 3071 + 101 \times \theta + 47 \times \theta^2 - 36 \times \theta^3$ $\qquad W_{eff}(T) = 475 + 216 \times \theta - 505 \times \theta^2 + 192 \times \theta^3$