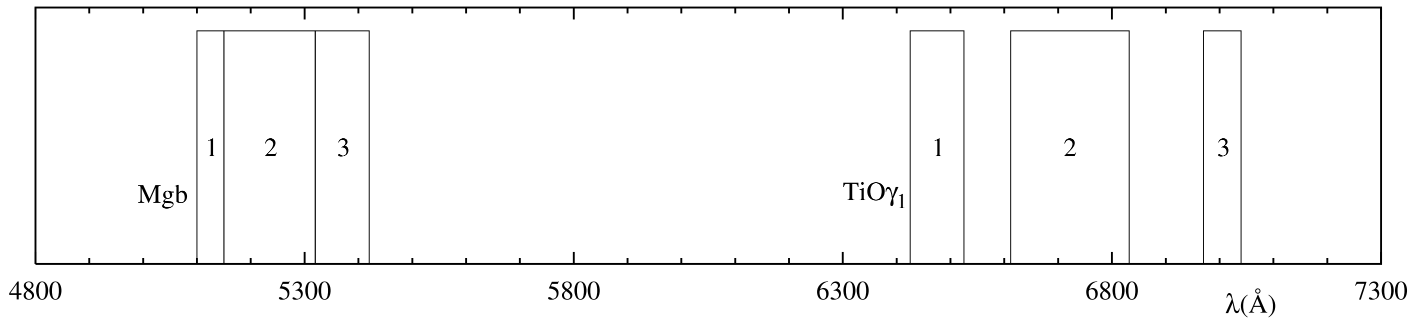

Mgb 1 original profile: rectangular

$\lambda_c = 5125$

WHM = 50

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5125	5125	5125	5125	5125	5118
[50]	[50]	[50]	[50]	[50]	[41]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5125	5126	5125	5125	5127	5125

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.07\ ^{1.06}_{1.10}$ $a = ^{1.015}_{1.015}$ $b = ^{0.226}_{0.226}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.11\ ^{1.09}_{1.16}$ $a = ^{1.015}_{1.015}$ $b = ^{0.226}_{0.226}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.16\ ^{1.13}_{1.24}$ $\frac{A(\lambda)}{E(B-V)}$: $(3.376, 0.063)^{r=1.00}_{B3}$ $(3.627, 0.080)^{r=1.00}_{Sun}$ $(4.143, 0.069)^{r=1.00}_{M2}$

$\lambda_{eff} = 5125.0 + 0.2 \times E(B-V)$ r=1.00 $W_{eff} = 50.0 - 0.0 \times E(B-V)$ r=–0.96

$\lambda_{eff}(T) = 5124.8 + 0.3 \times \theta + 0.3 \times \theta^2 - 0.1 \times \theta^3$ $W_{eff}(T) = 50.0 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

Mgb 2 original profile: rectangular

$\lambda_c = 5235$

WHM = 170

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5233	5234	5237	5240	5247	5252
[170]	[170]	[170]	[169]	[168]	[150]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5234	5238	5223	5235	5236	5233

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.05\ ^{1.04}_{1.08}$ $a = ^{1.012}_{1.012}$ $b = ^{0.148}_{0.146}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.07\ ^{1.06}_{1.12}$ $a = ^{1.012}_{1.012}$ $b = ^{0.145}_{0.144}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.11\ ^{1.08}_{1.18}$ $\frac{A(\lambda)}{E(B-V)}$: $(3.279, 0.061)^{r=1.00}_{B3}$ $(3.520, 0.077)^{r=1.00}_{Sun}$ $(4.009, 0.065)^{r=1.00}_{M2}$

$\lambda_{eff} = 5235.0 + 2.1 \times E(B-V)$ r=1.00 $W_{eff} = 170.2 - 0.6 \times E(B-V)$ r=–0.96

$\lambda_{eff}(T) = 5233.1 + 3.2 \times \theta + 2.9 \times \theta^2 - 1.4 \times \theta^3$ $W_{eff}(T) = 169.7 + 1.1 \times \theta - 0.9 \times \theta^2 - 0.5 \times \theta^3$

Mgb 3 original profile: rectangular

$\lambda_c = 5370$

WHM = 100

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
5369	5370	5370	5370	5371	5367
[100]	[100]	[100]	[100]	[100]	[99]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
5376	5372	5375	5370	5371	5370

$\frac{A(\lambda)}{A(V)}|_{5.0} = 1.03\ ^{1.02}_{1.06}$ $a = ^{1.007}_{1.007}$ $b = ^{0.064}_{0.064}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 1.04\ ^{1.02}_{1.09}$ $a = ^{1.007}_{1.007}$ $b = ^{0.064}_{0.063}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 1.06\ ^{1.03}_{1.13}$ $\frac{A(\lambda)}{E(B-V)}$: $(3.162, 0.059)^{r=1.00}_{B3}$ $(3.396, 0.075)^{r=1.00}_{Sun}$ $(3.878, 0.064)^{r=1.00}_{M2}$

$\lambda_{eff} = 5370.0 + 0.7 \times E(B-V)$ r=1.00 $W_{eff} = 100.0 - 0.1 \times E(B-V)$ r=–0.96

$\lambda_{eff}(T) = 5369.4 + 1.0 \times \theta + 1.0 \times \theta^2 - 0.5 \times \theta^3$ $W_{eff}(T) = 99.9 + 0.2 \times \theta - 0.2 \times \theta^2 - 0.1 \times \theta^3$

TiOγ_1 1 original profile: rectangular

$\lambda_c = 6475$

WHM = 100

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6475	6474	6475	6475	6476	6473
[100]	[100]	[100]	[100]	[100]	[100]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6475	6476	6476	6476	6487	6473

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.85\ ^{0.85}_{0.88}$ $a = ^{0.917}_{0.917}$ $b = ^{-0.266}_{-0.266}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.79\ ^{0.78}_{0.83}$ $a = ^{0.917}_{0.917}$ $b = ^{-0.266}_{-0.266}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.71\ ^{0.69}_{0.76}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.415, 0.045)^{r=1.00}_{B3}$ $(2.594, 0.057)^{r=1.00}_{Sun}$ $(2.962, 0.049)^{r=1.00}_{M2}$

$\lambda_{eff} = 6475.0 + 0.5 \times E(B-V)$ r=1.00 $W_{eff} = 100.0 - 0.0 \times E(B-V)$ r=–0.96

$\lambda_{eff}(T) = 6474.5 + 0.7 \times \theta + 0.7 \times \theta^2 - 0.3 \times \theta^3$ $W_{eff}(T) = 100.0 + 0.1 \times \theta - 0.0 \times \theta^2 - 0.1 \times \theta^3$

TiOγ_1 2 original profile: rectangular

$\lambda_c = 6722$

WHM = 219

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
6720	6721	6722	6722	6717	6728
[219]	[219]	[219]	[219]	[218]	[219]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
6715	6729	6720	6721	6718	6722

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.82\ ^{0.81}_{0.84}$ $a = ^{0.894}_{0.894}$ $b = ^{-0.312}_{-0.312}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.75\ ^{0.74}_{0.78}$ $a = ^{0.894}_{0.894}$ $b = ^{-0.312}_{-0.312}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.66\ ^{0.65}_{0.71}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.285, 0.042)^{r=1.00}_{B3}$ $(2.454, 0.054)^{r=1.00}_{Sun}$ $(2.806, 0.046)^{r=1.00}_{M2}$

$\lambda_{eff} = 6722.5 + 2.0 \times E(B-V)$ r=1.00 $W_{eff} = 219.1 - 0.4 \times E(B-V)$ r=–0.96

$\lambda_{eff}(T) = 6720.1 + 2.9 \times \theta + 3.0 \times \theta^2 - 1.4 \times \theta^3$ $W_{eff}(T) = 218.7 + 0.9 \times \theta - 0.3 \times \theta^2 - 0.5 \times \theta^3$

TiOγ_1 3 original profile: rectangular

$\lambda_c = 7005$

WHM = 70

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
7005	7005	7005	7005	7006	7009
[70]	[70]	[70]	[70]	[70]	[68]
WN	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
7005	7010	7005	7005	7006	7005

$\frac{A(\lambda)}{A(V)}|_{5.0} = 0.77\ ^{0.76}_{0.80}$ $a = ^{0.868}_{0.868}$ $b = ^{-0.367}_{-0.367}$ *B3*

$\frac{A(\lambda)}{A(V)}|_{3.1} = 0.70\ ^{0.69}_{0.74}$ $a = ^{0.868}_{0.868}$ $b = ^{-0.367}_{-0.367}$ *Sun*

$\frac{A(\lambda)}{A(V)}|_{2.1} = 0.62\ ^{0.60}_{0.66}$ $\frac{A(\lambda)}{E(B-V)}$: $(2.146, 0.040)^{r=1.00}_{B3}$ $(2.305, 0.051)^{r=1.00}_{Sun}$ $(2.633, 0.044)^{r=1.00}_{M2}$

$\lambda_{eff} = 7005.0 + 0.2 \times E(B-V)$ r=1.00 $W_{eff} = 70.0 - 0.0 \times E(B-V)$ r=–0.96

$\lambda_{eff}(T) = 7004.8 + 0.3 \times \theta + 0.3 \times \theta^2 - 0.1 \times \theta^3$ $W_{eff}(T) = 70.0 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$

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