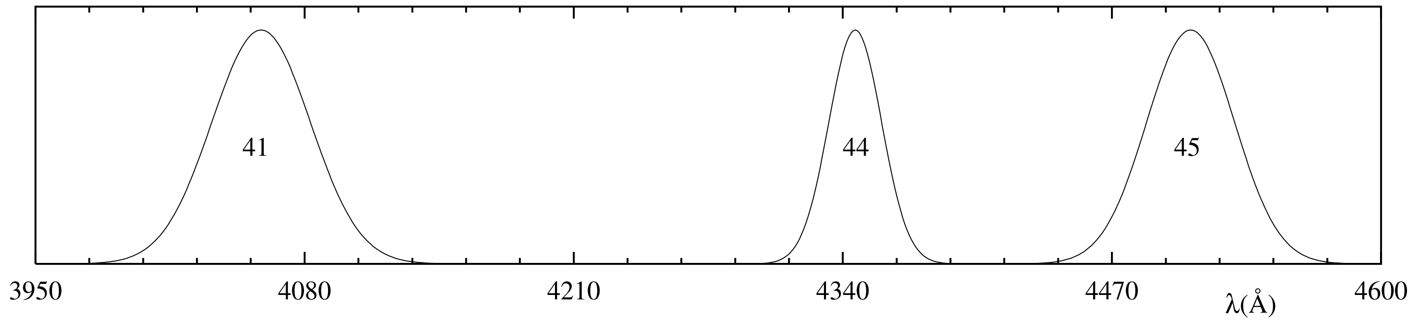
## $H\gamma$ - Häggkvist - 1971




**41** (interference filter) assumed profile: gaussian

$\lambda_c = 4059$

WHM = 56

$W_\circ = 60$

| | | | | | |
|---|---|---|---|---|---|
| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
| 4058 | 4056 | 4059 | 4060 | 4062 | 4060 |
| [58] | [57] | [60] | [60] | [59] | [58] |
| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
| 4061 | 4062 | 4074 | 4063 | 4063 | 4056 |

| | |
|---|---|
| $\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.27\ ^{1.26}_{1.31}$ | $a = {}^{0.984}_{0.984}\quad b = {}^{1.431}_{1.431}$ *B3* |
| $\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.44\ ^{1.41}_{1.51}$ | $a = {}^{0.984}_{0.984}\quad b = {}^{1.430}_{1.429}$ *Sun* |
| $\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.67\ ^{1.62}_{1.78}$ | $\frac{A(\lambda)}{E(B-V)}$ : $(4.378, 0.082)^{r=1.00}_{B3}$ $(4.702, 0.104)^{r=1.00}_{Sun}$ $(5.368, 0.089)^{r=1.00}_{M2}$ |
| $\lambda_{eff} = 4059.0 + 0.4 \times E(B-V)$ r=1.00 | $W_{eff} = 59.6 - 0.0 \times E(B-V)$ r=-0.97 |
| $\lambda_{eff}(T) = 4058.4 + 1.4 \times \theta + 0.9 \times \theta^2 - 0.5 \times \theta^3$ | $W_{eff}(T) = 59.6 + 0.2 \times \theta - 0.2 \times \theta^2 - 0.0 \times \theta^3$ |

**44** (interference filter) assumed profile: gaussian

$\lambda_c = 4346$

WHM = 30

$W_\circ = 32$

| | | | | | |
|---|---|---|---|---|---|
| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
| 4347 | 4347 | 4346 | 4347 | 4347 | 4346 |
| [32] | [33] | [32] | [32] | [31] | [39] |
| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
| 4345 | 4345 | 4343 | 4343 | 4348 | 4347 |

| | |
|---|---|
| $\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.22\ ^{1.20}_{1.25}$ | $a = {}^{0.997}_{0.997}\quad b = {}^{1.076}_{1.075}$ *B3* |
| $\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.35\ ^{1.33}_{1.42}$ | $a = {}^{0.997}_{0.997}\quad b = {}^{1.076}_{1.076}$ *Sun* |
| $\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.53\ ^{1.49}_{1.63}$ | $\frac{A(\lambda)}{E(B-V)}$ : $(4.130, 0.077)^{r=1.00}_{B3}$ $(4.437, 0.098)^{r=1.00}_{Sun}$ $(5.067, 0.084)^{r=1.00}_{M2}$ |
| $\lambda_{eff} = 4346.0 + 0.1 \times E(B-V)$ r=1.00 | $W_{eff} = 31.9 - 0.0 \times E(B-V)$ r=-0.95 |
| $\lambda_{eff}(T) = 4345.8 + 0.3 \times \theta + 0.2 \times \theta^2 - 0.1 \times \theta^3$ | $W_{eff}(T) = 31.9 + 0.0 \times \theta - 0.0 \times \theta^2 - 0.0 \times \theta^3$ |

**45** (interference filter) assumed profile: gaussian

$\lambda_c = 4508$

WHM = 50

$W_\circ = 53$

| | | | | | |
|---|---|---|---|---|---|
| *B3* | *Vega* | *Sun* | *K2* | *M2* | *Carbon* |
| 4508 | 4508 | 4508 | 4508 | 4508 | 4505 |
| [53] | [53] | [53] | [54] | [54] | [50] |
| *WN* | *WC* | $PN_{Ne}$ | $PN^{Ne}$ | *Nova* | *WDA* |
| 4510 | 4508 | 4505 | 4507 | 4508 | 4508 |

| | |
|---|---|
| $\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.18\ ^{1.17}_{1.22}$ | $a = {}^{1.005}_{1.005}\quad b = {}^{0.869}_{0.869}$ *B3* |
| $\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.30\ ^{1.28}_{1.37}$ | $a = {}^{1.005}_{1.005}\quad b = {}^{0.869}_{0.868}$ *Sun* |
| $\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.45\ ^{1.41}_{1.55}$ | $\frac{A(\lambda)}{E(B-V)}$ : $(3.977, 0.074)^{r=1.00}_{B3}$ $(4.272, 0.094)^{r=1.00}_{Sun}$ $(4.879, 0.081)^{r=1.00}_{M2}$ |
| $\lambda_{eff} = 4508.0 + 0.4 \times E(B-V)$ r=1.00 | $W_{eff} = 53.2 - 0.0 \times E(B-V)$ r=-0.96 |
| $\lambda_{eff}(T) = 4507.6 + 0.9 \times \theta + 0.6 \times \theta^2 - 0.3 \times \theta^3$ | $W_{eff}(T) = 53.2 + 0.1 \times \theta - 0.1 \times \theta^2 - 0.0 \times \theta^3$ |