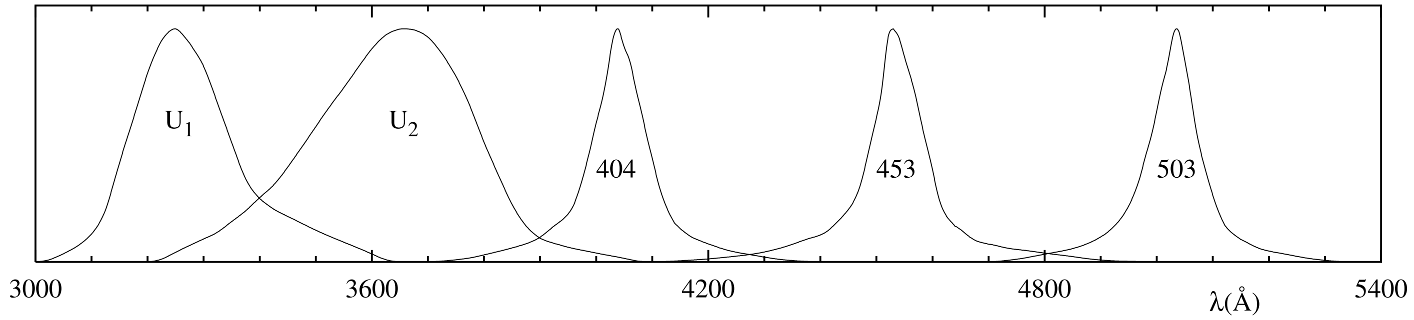
5 colors - Borgman - 1959



U_1				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3256$	$\lambda_\circ = 3281$	$\lambda_{peak} = 3249$	$\lambda_{gauss} = 3259$	3273	3278	3290	3317	3335	3305
WHM = 192	W10% = 443	W80% = 108	FWHM = 208	[220]	[221]	[221]	[210]	[176]	[184]
$W_\circ = 222$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.40\ ^{1.39}_{1.44}$	$a = {}^{0.832}_{0.840}$ $b = {}^{2.592}_{2.550}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 103$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.70\ ^{1.68}_{1.78}$	$a = {}^{0.843}_{0.851}$ $b = {}^{2.534}_{2.492}$ *Sun*		3276	3280	3283	3279	3282	3267
$I_{asym} = 0.66$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 2.13\ ^{2.08}_{2.25}$	$\frac{A(\lambda)}{E(B-V)}$:	$(5.214, 0.089)^{r=1.00}_{B3}$	$(5.577, 0.113)^{r=1.00}_{Sun}$		$(6.301, 0.091)^{r=1.00}_{M2}$			
$I_{kurt} = 0.40$	$\lambda_{eff} = 3280.3 + 14.2 \times E(B-V)$ r=1.00			$W_{eff} = 222.4 - 5.8 \times E(B-V)$ r=–0.97					
	$\lambda_{eff}(T) = 3267 + 40 \times \theta + 27 \times \theta^2 - 10 \times \theta^3$			$W_{eff}(T) = 218 + 22 \times \theta - 45 \times \theta^2 + 1 \times \theta^3$					

U_2				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3640$	$\lambda_\circ = 3630$	$\lambda_{peak} = 3657$	$\lambda_{gauss} = 3640$	3625	3656	3637	3658	3683	3652
WHM = 325	W10% = 600	W80% = 184	FWHM = 328	[356]	[347]	[337]	[315]	[311]	[462]
$W_\circ = 349$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.34\ ^{1.32}_{1.38}$	$a = {}^{0.957}_{0.960}$ $b = {}^{1.876}_{1.853}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 141$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.57\ ^{1.54}_{1.64}$	$a = {}^{0.959}_{0.961}$ $b = {}^{1.863}_{1.843}$ *Sun*		3608	3623	3698	3640	3628	3614
$I_{asym} = -0.15$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.88\ ^{1.82}_{2.00}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.807, 0.079)^{r=1.00}_{B3}$	$(5.151, 0.102)^{r=1.00}_{Sun}$		$(5.824, 0.083)^{r=1.00}_{M2}$			
$I_{kurt} = -0.07$	$\lambda_{eff} = 3629.8 + 19.7 \times E(B-V)$ r=1.00			$W_{eff} = 350.5 - 10.0 \times E(B-V)$ r=–0.97					
	$\lambda_{eff}(T) = 3606 + 70 \times \theta + 28 \times \theta^2 - 18 \times \theta^3$			$W_{eff}(T) = 340 + 54 \times \theta - 107 \times \theta^2 + 19 \times \theta^3$					

404				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4042$	$\lambda_\circ = 4040$	$\lambda_{peak} = 4038$	$\lambda_{gauss} = 4042$	4037	4040	4049	4058	4069	4049
WHM = 104	W10% = 281	W80% = 46	FWHM = 126	[135]	[136]	[123]	[113]	[109]	[94]
$W_\circ = 134$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.27\ ^{1.26}_{1.31}$	$a = {}^{0.983}_{0.984}$ $b = {}^{1.455}_{1.449}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 84$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.44\ ^{1.42}_{1.51}$	$a = {}^{0.984}_{0.984}$ $b = {}^{1.441}_{1.436}$ *Sun*		4040	4041	3996	4039	4040	4038
$I_{asym} = -0.01$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.67\ ^{1.63}_{1.78}$	$\frac{A(\lambda)}{E(B-V)}$:	$(4.400, 0.080)^{r=1.00}_{B3}$	$(4.714, 0.101)^{r=1.00}_{Sun}$		$(5.362, 0.086)^{r=1.00}_{M2}$			
$I_{kurt} = 1.73$	$\lambda_{eff} = 4039.9 + 6.2 \times E(B-V)$ r=1.00			$W_{eff} = 133.1 - 1.1 \times E(B-V)$ r=–0.98					
	$\lambda_{eff}(T) = 4033 + 18 \times \theta + 10 \times \theta^2 - 5 \times \theta^3$			$W_{eff}(T) = 132 + 3 \times \theta - 6 \times \theta^2 - 1 \times \theta^3$					

453				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4539$	$\lambda_\circ = 4536$	$\lambda_{peak} = 4530$	$\lambda_{gauss} = 4537$	4530	4531	4541	4548	4554	4574
WHM = 101	W10% = 292	W80% = 47	FWHM = 131	[138]	[136]	[134]	[132]	[129]	[202]
$W_\circ = 139$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.18\ ^{1.17}_{1.21}$	$a = {}^{1.006}_{1.006}$ $b = {}^{0.842}_{0.831}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 101$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.29\ ^{1.28}_{1.34}$	$a = {}^{1.006}_{1.006}$ $b = {}^{0.828}_{0.817}$ *Sun*		4550	4568	4555	4536	4545	4532
$I_{asym} = 0.08$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.44\ ^{1.40}_{1.51}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.955, 0.069)^{r=1.00}_{B3}$	$(4.237, 0.088)^{r=1.00}_{Sun}$		$(4.823, 0.073)^{r=1.00}_{M2}$			
$I_{kurt} = 2.39$	$\lambda_{eff} = 4536.1 + 10.0 \times E(B-V)$ r=1.00			$W_{eff} = 138.4 - 1.3 \times E(B-V)$ r=–0.95					
	$\lambda_{eff}(T) = 4527 + 20 \times \theta + 13 \times \theta^2 - 6 \times \theta^3$			$W_{eff}(T) = 137 + 3 \times \theta - 4 \times \theta^2 - 1 \times \theta^3$					

503				*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5030$	$\lambda_\circ = 5025$	$\lambda_{peak} = 5035$	$\lambda_{gauss} = 5031$	5022	5023	5024	5023	5029	4981
WHM = 90	W10% = 253	W80% = 40	FWHM = 114	[120]	[119]	[120]	[120]	[128]	[80]
$W_\circ = 121$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.09\ ^{1.08}_{1.13}$	$a = {}^{1.016}_{1.016}$ $b = {}^{0.310}_{0.306}$ *B3*		*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
$\mu = 78$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.14\ ^{1.12}_{1.21}$	$a = {}^{1.016}_{1.016}$ $b = {}^{0.308}_{0.303}$ *Sun*		5018	5024	5001	5008	5002	5026
$I_{asym} = -0.26$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 1.20\ ^{1.18}_{1.31}$	$\frac{A(\lambda)}{E(B-V)}$:	$(3.473, 0.063)^{r=1.00}_{B3}$	$(3.729, 0.079)^{r=1.00}_{Sun}$		$(4.253, 0.066)^{r=1.00}_{M2}$			
$I_{kurt} = 1.83$	$\lambda_{eff} = 5025.1 + 5.5 \times E(B-V)$ r=1.00			$W_{eff} = 120.3 - 0.8 \times E(B-V)$ r=–0.97					
	$\lambda_{eff}(T) = 5020 + 9 \times \theta + 7 \times \theta^2 - 4 \times \theta^3$			$W_{eff}(T) = 120 + 1 \times \theta - 1 \times \theta^2 - 0 \times \theta^3$					