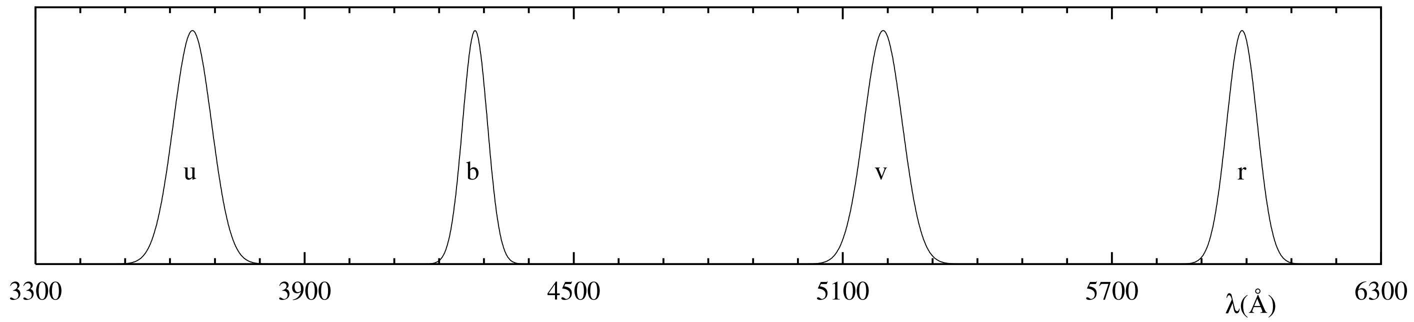
ubvr - Westerlund - 1966



u (interference filter) assumed profile: gaussian			*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 3650$			3648	3650	3653	3657	3658	3658
WHM = 100			[107]	[107]	[103]	[95]	[92]	[82]
$W_\circ = 106$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.34\ ^{1.32}_{1.38}$	$a\ =\ ^{0.960}_{0.960}\ \ b\ =\ ^{1.851}_{1.849}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.57\ ^{1.54}_{1.64}$	$a\ =\ ^{0.961}_{0.961}\ \ b\ =\ ^{1.846}_{1.844}$ *Sun*	3650	3656	3691	3658	3651	3649
	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.87\ ^{1.82}_{1.99}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.779, 0.089)^{r=1.00}_{B3}$	$(5.129, 0.112)^{r=1.00}_{Sun}$		$(5.851, 0.096)^{r=1.00}_{M2}$			
	$\lambda_{eff} = 3650.0 + 1.8 \times E(B-V)$ r=1.00		$W_{eff} = 106.5 - 0.3 \times E(B-V)$ r=-0.97					
	$\lambda_{eff}(T) = 3647.9 + 5.9 \times \theta + 3.2 \times \theta^2 - 1.6 \times \theta^3$		$W_{eff}(T) = 106.2 + 1.3 \times \theta - 2.3 \times \theta^2 - 0.2 \times \theta^3$					

b (interference filter) assumed profile: gaussian			*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 4280$			4279	4278	4278	4280	4284	4278
WHM = 65			[69]	[68]	[72]	[73]	[70]	[65]
$W_\circ = 69$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.23\ ^{1.22}_{1.27}$	$a\ =\ ^{0.994}_{0.994}\ \ b\ =\ ^{1.162}_{1.161}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.37\ ^{1.35}_{1.44}$	$a\ =\ ^{0.994}_{0.994}\ \ b\ =\ ^{1.163}_{1.162}$ *Sun*	4281	4281	4301	4284	4283	4277
	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.56\ ^{1.52}_{1.67}$	$\frac{A(\lambda)}{E(B-V)}$: $(4.192, 0.078)^{r=1.00}_{B3}$	$(4.504, 0.099)^{r=1.00}_{Sun}$		$(5.137, 0.085)^{r=1.00}_{M2}$			
	$\lambda_{eff} = 4280.0 + 0.7 \times E(B-V)$ r=1.00		$W_{eff} = 69.2 - 0.1 \times E(B-V)$ r=-0.95					
	$\lambda_{eff}(T) = 4279.3 + 1.7 \times \theta + 1.2 \times \theta^2 - 0.6 \times \theta^3$		$W_{eff}(T) = 69.2 + 0.2 \times \theta - 0.3 \times \theta^2 - 0.1 \times \theta^3$					

v (interference filter) assumed profile: gaussian			*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5190$			5189	5189	5190	5192	5193	5213
WHM = 100			[106]	[106]	[107]	[107]	[107]	[72]
$W_\circ = 106$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 1.06\ ^{1.05}_{1.09}$	$a\ =\ ^{1.013}_{1.013}\ \ b\ =\ ^{0.178}_{0.177}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 1.09\ ^{1.07}_{1.13}$	$a\ =\ ^{1.013}_{1.013}\ \ b\ =\ ^{0.178}_{0.176}$ *Sun*	5190	5188	5192	5190	5188	5189
	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 1.13\ ^{1.10}_{1.20}$	$\frac{A(\lambda)}{E(B-V)}$: $(3.319, 0.062)^{r=1.00}_{B3}$	$(3.564, 0.078)^{r=1.00}_{Sun}$		$(4.068, 0.066)^{r=1.00}_{M2}$			
	$\lambda_{eff} = 5190.0 + 1.6 \times E(B-V)$ r=1.00		$W_{eff} = 106.5 - 0.2 \times E(B-V)$ r=-0.97					
	$\lambda_{eff}(T) = 5188.6 + 2.4 \times \theta + 2.1 \times \theta^2 - 1.0 \times \theta^3$		$W_{eff}(T) = 106.4 + 0.4 \times \theta - 0.4 \times \theta^2 - 0.2 \times \theta^3$					

r (interference filter) assumed profile: gaussian			*B3*	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
$\lambda_c = 5990$			5989	5989	5990	5990	5994	5989
WHM = 80			[85]	[85]	[85]	[85]	[85]	[84]
$W_\circ = 85$	$\frac{A(\lambda)}{A(V)}\vert_{5.0} = 0.93\ ^{0.92}_{0.96}$	$a\ =\ ^{0.962}_{0.962}\ \ b\ =\ ^{-0.167}_{-0.167}$ *B3*	*WN*	*WC*	PN_{Ne}	PN^{Ne}	*Nova*	*WDA*
	$\frac{A(\lambda)}{A(V)}\vert_{3.1} = 0.89\ ^{0.87}_{0.93}$	$a\ =\ ^{0.962}_{0.962}\ \ b\ =\ ^{-0.167}_{-0.167}$ *Sun*	5989	5988	5989	5990	5991	5989
	$\frac{A(\lambda)}{A(V)}\vert_{2.1} = 0.84\ ^{0.82}_{0.89}$	$\frac{A(\lambda)}{E(B-V)}$: $(2.704, 0.050)^{r=1.00}_{B3}$	$(2.904, 0.064)^{r=1.00}_{Sun}$		$(3.314, 0.055)^{r=1.00}_{M2}$			
	$\lambda_{eff} = 5990.0 + 0.7 \times E(B-V)$ r=1.00		$W_{eff} = 85.2 - 0.1 \times E(B-V)$ r=-0.97					
	$\lambda_{eff}(T) = 5989.2 + 1.1 \times \theta + 1.1 \times \theta^2 - 0.5 \times \theta^3$		$W_{eff}(T) = 85.1 + 0.1 \times \theta - 0.1 \times \theta^2 - 0.1 \times \theta^3$					