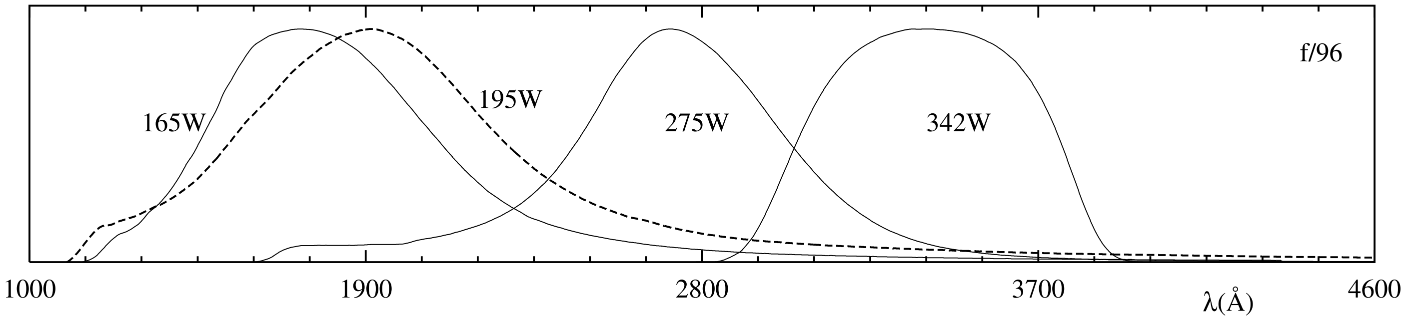
FOC HST - 1989 (continues)



165W

$\lambda_c = 1778$	$\lambda_\circ = 1889$	$\lambda_{peak} = 1725$	$\lambda_{gauss} = 1778$	
WHM = 655	W10% = 1326	W80% = 400	FWHM = 711	
$W_\circ = 757$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.66\ {}^{1.41}_{1.64}$	$a = {}^{-0.121}_{-0.060}$	$b = {}^{8.149}_{9.116}$	*ι Her*
$\mu = 427$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 2.47\ {}^{1.70}_{2.58}$	$a = {}^{0.785}_{0.961}$	$b = {}^{2.841}_{1.841}$	*Sun*
$I_{asym} = 1.97$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 3.58\ {}^{2.09}_{4.13}$			
$I_{kurt} = 6.09$				

40000	*30000*	*20000*	*ι Her*	*Vega*	*Sun*
1705	1708	1736	1759	1861	3206
[647]	[656]	[679]	[700]	[725]	[49]

$\frac{A(\lambda)}{E(B-V)}$: $(8.190, -0.163)^{r=-0.95}_{40000}$ $(8.271, -0.316)^{r=-0.95}_{\iota Her}$ $(6.049, -0.339)^{r=-0.94}_{Sun}$

$\lambda_{eff} = 1684.3 + 974.7 \times E(B-V)$ $r{=}0.99$

$W_{eff} = 981.1 - 551.9 \times E(B-V)$ $r{=}{-0.91}$

$\lambda_{eff}(T) = 1692 - 78 \times \theta + 7652 \times \theta^2 - 5492 \times \theta^3$

$W_{eff}(T) = 863 - 1241 \times \theta - 1085 \times \theta^2 + 1565 \times \theta^3$

195W

$\lambda_c = 1905$	$\lambda_\circ = 2123$	$\lambda_{peak} = 1914$	$\lambda_{gauss} = 1916$	
WHM = 751	W10% = 1742	W80% = 416	FWHM = 883	
$W_\circ = 940$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.61\ {}^{1.25}_{1.66}$	$a = {}^{-0.068}_{0.517}$	$b = {}^{8.185}_{4.628}$	*ι Her*
$\mu = 683$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 2.17\ {}^{1.42}_{2.55}$	$a = {}^{0.973}_{1.008}$	$b = {}^{1.698}_{0.778}$	*Sun*
$I_{asym} = 2.17$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 2.87\ {}^{1.64}_{3.84}$			
$I_{kurt} = 6.15$				

40000	*30000*	*20000*	*ι Her*	*Vega*	*Sun*
1769	1777	1829	1868	2091	3801
[735]	[753]	[799]	[834]	[959]	[129]

$\frac{A(\lambda)}{E(B-V)}$: $(8.460, -0.602)^{r=-0.97}_{40000}$ $(8.464, -0.909)^{r=-0.98}_{\iota Her}$ $(5.188, -0.429)^{r=-0.98}_{Sun}$

$\lambda_{eff} = 2075.0 + 1613.1 \times E(B-V)$ $r{=}0.99$

$W_{eff} = 859.3 - 539.1 \times E(B-V)$ $r{=}{-0.91}$

$\lambda_{eff}(T) = 1707 + 434 \times \theta + 10085 \times \theta^2 - 7484 \times \theta^3$

$W_{eff}(T) = 1001 - 1312 \times \theta - 1466 \times \theta^2 + 1913 \times \theta^3$

275W

$\lambda_c = 2749$	$\lambda_\circ = 2732$	$\lambda_{peak} = 2715$	$\lambda_{gauss} = 2742$	
WHM = 583	W10% = 1296	W80% = 325	FWHM = 654	
$W_\circ = 696$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.55\ {}^{1.46}_{1.58}$	$a = {}^{0.449}_{0.607}$	$b = {}^{5.200}_{3.928}$	*ι Her*
$\mu = 367$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.99\ {}^{1.80}_{2.08}$	$a = {}^{0.662}_{0.874}$	$b = {}^{3.536}_{2.366}$	*Sun*
$I_{asym} = 0.55$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 2.64\ {}^{2.30}_{2.79}$			
$I_{kurt} = 4.76$				

40000	*30000*	*20000*	*ι Her*	*Vega*	*Sun*
2551	2563	2602	2621	2709	3029
[608]	[617]	[658]	[672]	[722]	[361]

$\frac{A(\lambda)}{E(B-V)}$: $(6.809, -0.281)^{r=-0.98}_{40000}$ $(6.701, -0.264)^{r=-0.98}_{\iota Her}$ $(6.161, -0.176)^{r=-0.98}_{Sun}$

$\lambda_{eff} = 2682.7 + 399.6 \times E(B-V)$ $r{=}0.98$

$W_{eff} = 728.0 - 306.4 \times E(B-V)$ $r{=}{-1.00}$

$\lambda_{eff}(T) = 2477 + 1511 \times \theta - 2182 \times \theta^2 + 2159 \times \theta^3$

$W_{eff}(T) = 550 + 1341 \times \theta - 3857 \times \theta^2 + 1992 \times \theta^3$

342W

$\lambda_c = 3406$	$\lambda_\circ = 3404$	$\lambda_{peak} = 3365$	$\lambda_{gauss} = 3407$	
WHM = 714	W10% = 931	W80% = 517	FWHM = 646	
$W_\circ = 688$	$\frac{A(\lambda)}{A(V)}\|_{5.0} = 1.38\ {}^{1.37}_{1.41}$	$a = {}^{0.886}_{0.910}$	$b = {}^{2.303}_{2.173}$	*B3*
$\mu = 222$	$\frac{A(\lambda)}{A(V)}\|_{3.1} = 1.65\ {}^{1.63}_{1.71}$	$a = {}^{0.913}_{0.929}$	$b = {}^{2.156}_{2.066}$	*Sun*
$I_{asym} = -0.03$	$\frac{A(\lambda)}{A(V)}\|_{2.1} = 2.03\ {}^{1.97}_{2.11}$			
$I_{kurt} = -0.87$				

B3	*Vega*	*Sun*	*K2*	*M2*	*Carbon*
3371	3408	3437	3530	3567	3474
[682]	[710]	[668]	[507]	[447]	[531]

$\frac{A(\lambda)}{E(B-V)}$: $(5.109, 0.059)^{r=0.99}_{B3}$ $(5.400, 0.083)^{r=1.00}_{Sun}$ $(5.979, 0.073)^{r=1.00}_{M2}$

$\lambda_{eff} = 3404.9 + 54.3 \times E(B-V)$ $r{=}1.00$

$W_{eff} = 702.6 - 61.6 \times E(B-V)$ $r{=}{-0.98}$

$\lambda_{eff}(T) = 3341 + 199 \times \theta + 87 \times \theta^2 - 73 \times \theta^3$

$W_{eff}(T) = 632 + 444 \times \theta - 1000 \times \theta^2 + 405 \times \theta^3$

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