

	ne16		ne30		ne60		ne120	
Summary of energy budgets ( $\text{W m}^{-2}$ , +gain of energy)								
Top of atmosphere	15.82	(1.08)	15.96	(1.32)	17.49	(1.16)	20.83	(0.77)
Surface	16.83	(1.73)	17.05	(1.63)	18.70	(1.56)	22.09	(1.45)
Atmosphere, $F_{\text{TOT}}$	−1.01	(2.04)	−1.09	(2.1)	−1.22	(1.95)	−1.26	(1.64)
$\Delta F_{\text{TOT}}$	—	—	−0.08	(2.93)	−0.21	(2.82)	−0.25	(2.61)
Top of atmosphere net longwave flux ( $\text{W m}^{-2}$ , +upward)								
$f_{\text{CS}}(\eta_{\text{TOP}})$	257.63		259.19		259.70		259.59	
$\Delta f_{\text{CS}}(\eta_{\text{TOP}})$	—	—	1.55	(0.6)	2.07	(0.57)	1.95	(0.53)
$f_{\text{CD}}(\eta_{\text{TOP}})$	−35.02		−30.87		−26.90		−22.18	
$\Delta f_{\text{CD}}(\eta_{\text{TOP}})$	—	—	4.16	(1.35)	8.12	(1.21)	12.85	(1.02)
Surface net longwave flux ( $\text{W m}^{-2}$ , +upward)								
$f_{\text{CS}}(\eta_{\text{SFC}})$	90.92		91.51		92.06		92.72	
$\Delta f_{\text{CS}}(\eta_{\text{SFC}})$	—	—	0.60	(0.34)	1.15	(0.35)	1.80	(0.39)
$f_{\text{CD}}(\eta_{\text{SFC}})$	−33.53		−31.32		−28.10		−23.79	
$\Delta f_{\text{CD}}(\eta_{\text{SFC}})$	—	—	2.21	(0.77)	5.43	(0.79)	9.74	(0.8)
Longwave heating rate ( $\text{W m}^{-2}$ , +gain of energy)								
$F_{\text{CS}}$	166.72		167.67		167.64		166.87	
$\Delta F_{\text{CS}}$	—	—	−0.95	(0.68)	−0.92	(0.67)	−0.15	(0.66)
$F_{\text{CD}}$	1.50		−0.45		−1.20		−1.61	
$\Delta F_{\text{CD}}$	—	—	−1.95	(1.56)	−2.70	(1.44)	−3.11	(1.29)
Shortwave heating rate ( $\text{W m}^{-2}$ , +gain of energy)								
$F_S$	70.26		69.61		68.94		68.03	
$\Delta F_S$	—	—	−0.66	(1.81)	−1.32	(1.78)	−2.24	(1.53)
Surface sensible heat ( $\text{W m}^{-2}$ , +gain of energy)								
$F_{\text{SH}}$	8.95		9.04		9.31		9.87	
$\Delta F_{\text{SH}}$	—	—	0.09	(0.37)	0.36	(0.38)	0.91	(0.38)
Surface latent heat ( $\text{W m}^{-2}$ , +gain of energy)								
$LP_L$	45.78		55.08		61.32		66.31	
$L\Delta P_L$	—	—	9.30	(1.86)	15.54	(1.7)	20.53	(1.67)
$LP_C$	39.84		33.32		27.96		22.89	
$L\Delta P_C$	—	—	−6.52	(0.7)	−11.87	(0.66)	−16.94	(0.61)