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Table 1. Synthetic Luminosities (I): Standard IMF (α =2.35, m_{low} = 0.8 $M_\odot$, m_{up} = 100 $M_\odot$), $M_T = 1 \times 10^6$ $M_\odot$)

	Z = 2.5 $Z_\odot$			Z = $Z_\odot$		
log *age* yr	L at 2000 Å L/ $L_\odot$	L at 4850 Å L/ $L_\odot$	L at 2.17 μm L/ $L_\odot$	L at 2000 Å L/ $L_\odot$	L at 4850 Å L/ $L_\odot$	L at 2.17 μm L/ $L_\odot$
6.00	0.400E+06	0.231E+05	0.322E+03	0.327E+06	0.196E+05	0.387E+03
6.10	0.441E+06	0.254E+05	0.310E+03	0.341E+06	0.204E+05	0.388E+03
6.20	0.477E+06	0.277E+05	0.280E+03	0.377E+06	0.222E+05	0.361E+03
6.30	0.546E+06	0.334E+05	0.243E+03	0.412E+06	0.243E+05	0.335E+03
6.40	0.469E+06	0.309E+05	0.216E+03	0.465E+06	0.282E+05	0.290E+03
6.50	0.368E+06	0.307E+05	0.192E+03	0.487E+06	0.333E+05	0.294E+03
6.60	0.225E+06	0.220E+05	0.125E+03	0.272E+06	0.260E+05	0.180E+03
6.70	0.221E+06	0.211E+05	0.106E+03	0.192E+06	0.171E+05	0.131E+03
6.80	0.111E+06	0.321E+05	0.120E+04	0.142E+06	0.191E+05	0.323E+03
6.90	0.797E+05	0.897E+04	0.147E+04	0.939E+05	0.167E+05	0.655E+03
7.00	0.562E+05	0.672E+04	0.954E+03	0.677E+05	0.834E+04	0.683E+03
7.10	0.411E+05	0.556E+04	0.911E+03	0.482E+05	0.770E+04	0.612E+03
7.20	0.318E+05	0.471E+04	0.507E+03	0.373E+05	0.552E+04	0.442E+03
7.30	0.238E+05	0.392E+04	0.485E+03	0.281E+05	0.424E+04	0.292E+03
7.40	0.179E+05	0.328E+04	0.278E+03	0.221E+05	0.380E+04	0.272E+03
7.50	0.138E+05	0.290E+04	0.248E+03	0.164E+05	0.314E+04	0.187E+03
7.60	0.102E+05	0.242E+04	0.180E+03	0.130E+05	0.286E+04	0.147E+03
7.70	0.755E+04	0.211E+04	0.145E+03	0.965E+04	0.250E+04	0.125E+03
7.80	0.564E+04	0.193E+04	0.308E+03	0.740E+04	0.208E+04	0.927E+02
7.90	0.399E+04	0.168E+04	0.273E+03	0.557E+04	0.183E+04	0.217E+03
8.00	0.294E+04	0.140E+04	0.203E+03	0.409E+04	0.161E+04	0.231E+03
8.10	0.202E+04	0.121E+04	0.177E+03	0.300E+04	0.136E+04	0.177E+03
8.20	0.136E+04	0.100E+04	0.144E+03	0.210E+04	0.119E+04	0.171E+03
8.30	0.909E+03	0.847E+03	0.100E+03	0.146E+04	0.983E+03	0.137E+03
8.40	0.572E+03	0.718E+03	0.951E+02	0.991E+03	0.840E+03	0.993E+02
8.50	0.326E+03	0.590E+03	0.874E+02	0.622E+03	0.716E+03	0.828E+02
8.60	0.190E+03	0.474E+03	0.539E+02	0.377E+03	0.598E+03	0.806E+02
8.70	0.913E+02	0.400E+03	0.499E+02	0.230E+03	0.490E+03	0.509E+02
8.80	0.415E+02	0.332E+03	0.444E+02	0.132E+03	0.409E+03	0.460E+02
8.90	0.153E+02	0.273E+03	0.379E+02	0.640E+02	0.338E+03	0.393E+02
9.00	0.525E+01	0.228E+03	0.347E+02	0.321E+02	0.291E+03	0.374E+02
9.10	0.172E+01	0.191E+03	0.323E+02	0.137E+02	0.234E+03	0.457E+02
9.20	0.610E+00	0.159E+03	0.480E+02	0.637E+01	0.178E+03	0.293E+02
9.30	0.154E+01	0.135E+03	0.431E+02	0.274E+01	0.139E+03	0.234E+02
9.40	0.491E+00	0.105E+03	0.356E+02	0.112E+01	0.111E+03	0.200E+02
9.50	0.123E+00	0.900E+02	0.334E+02	0.637E+00	0.895E+02	0.172E+02
9.60	0.107E+00	0.711E+02	0.389E+02	0.283E+00	0.757E+02	0.159E+02
9.70	0.860E–01	0.527E+02	0.278E+02	0.809E+00	0.591E+02	0.121E+02
9.80	0.813E+00	0.441E+02	0.244E+02	0.511E+00	0.454E+02	0.927E+01
9.90	0.349E+00	0.334E+02	0.193E+02	0.933E–01	0.377E+02	0.840E+01
10.00	0.946E–01	0.284E+02	0.180E+02	0.473E+00	0.311E+02	0.728E+01
10.02	0.865E+00	0.277E+02	0.176E+02	0.271E+00	0.299E+02	0.712E+01
10.04	0.554E-01	0.261E+02	0.172E+02	0.917E–01	0.289E+02	0.695E+01
10.06	0.624E–01	0.227E+02	0.143E+02	0.178E+00	0.277E+02	0.680E+01
10.08	0.452E+00	0.221E+02	0.140E+02	0.400E+00	0.265E+02	0.662E+01
10.10	0.624E–01	0.214E+02	0.138E+02	0.664E–01	0.242E+02	0.580E+01
10.12	0.470E+00	0.206E+02	0.137E+02	0.765E–01	0.233E+02	0.569E+01

Table 2. Synthetic Luminosities (II): Standard IMF (α =2.35, m_{low} = 0.8 $M_\odot$, m_{up} = 100 $M_\odot$), $M_T = 1 \times 10^6$ $M_\odot$

	Z = 0.4 $Z_\odot$			Z = 0.2 $Z_\odot$		
log *age* yr	L at 2000 Å L/ $L_\odot$	L at 4850 Å L/ $L_\odot$	L at 2.17 μm L/ $L_\odot$	L at 2000 Å L/ $L_\odot$	L at 4850 Å L/ $L_\odot$	L at 2.17 μm L/ $L_\odot$
6.00	0.279E+06	0.176E+05	0.413E+03	0.261E+06	0.173E+05	0.393E+03
6.10	0.290E+06	0.182E+05	0.417E+03	0.271E+06	0.178E+05	0.398E+03
6.20	0.308E+06	0.191E+05	0.417E+03	0.289E+06	0.185E+05	0.397E+03
6.30	0.339E+06	0.205E+05	0.402E+03	0.313E+06	0.197E+05	0.397E+03
6.40	0.393E+06	0.235E+05	0.363E+03	0.355E+06	0.216E+05	0.373E+03
6.50	0.487E+06	0.310E+05	0.293E+03	0.454E+06	0.339E+05	0.362E+03
6.60	0.268E+06	0.196E+05	0.209E+03	0.256E+06	0.205E+05	0.318E+03
6.70	0.216E+06	0.195E+05	0.184E+03	0.218E+06	0.175E+05	0.161E+03
6.80	0.134E+06	0.255E+05	0.454E+03	0.155E+06	0.219E+05	0.180E+03
6.90	0.105E+06	0.155E+05	0.440E+03	0.112E+06	0.156E+05	0.238E+03
7.00	0.754E+05	0.924E+04	0.336E+03	0.788E+05	0.118E+05	0.388E+03
7.10	0.600E+05	0.811E+04	0.252E+03	0.615E+05	0.825E+04	0.263E+03
7.20	0.443E+05	0.619E+04	0.189E+03	0.461E+05	0.558E+04	0.137E+03
7.30	0.325E+05	0.550E+04	0.223E+03	0.343E+05	0.529E+04	0.185E+03
7.40	0.251E+05	0.446E+04	0.175E+03	0.259E+05	0.443E+04	0.159E+03
7.50	0.186E+05	0.393E+04	0.177E+03	0.192E+05	0.399E+04	0.184E+03
7.60	0.145E+05	0.312E+04	0.118E+03	0.150E+05	0.315E+04	0.128E+03
7.70	0.112E+05	0.282E+04	0.105E+03	0.118E+05	0.289E+04	0.115E+03
7.80	0.855E+04	0.235E+04	0.758E+02	0.920E+04	0.242E+04	0.818E+02
7.90	0.648E+04	0.197E+04	0.586E+02	0.715E+04	0.205E+04	0.618E+02
8.00	0.486E+04	0.176E+04	0.581E+02	0.541E+04	0.184E+04	0.607E+02
8.10	0.365E+04	0.155E+04	0.175E+03	0.417E+04	0.165E+04	0.204E+03
8.20	0.263E+04	0.138E+04	0.188E+03	0.306E+04	0.148E+04	0.173E+03
8.30	0.193E+04	0.107E+04	0.126E+03	0.230E+04	0.121E+04	0.138E+03
8.40	0.137E+04	0.951E+03	0.108E+03	0.167E+04	0.108E+04	0.132E+03
8.50	0.914E+03	0.803E+03	0.990E+02	0.113E+04	0.908E+03	0.118E+03
8.60	0.604E+03	0.658E+03	0.891E+02	0.804E+03	0.702E+03	0.675E+02
8.70	0.389E+03	0.545E+03	0.574E+02	0.557E+03	0.595E+03	0.587E+02
8.80	0.249E+03	0.464E+03	0.502E+02	0.367E+03	0.489E+03	0.468E+02
8.90	0.154E+03	0.386E+03	0.412E+02	0.231E+03	0.425E+03	0.432E+02
9.00	0.888E+02	0.334E+03	0.387E+02	0.141E+03	0.369E+03	0.387E+02
9.10	0.449E+02	0.321E+03	0.398E+02	0.845E+02	0.369E+03	0.388E+02
9.20	0.232E+02	0.233E+03	0.337E+02	0.478E+02	0.246E+03	0.316E+02
9.30	0.115E+02	0.168E+03	0.247E+02	0.259E+02	0.201E+03	0.266E+02
9.40	0.617E+01	0.138E+03	0.234E+02	0.157E+02	0.168E+03	0.230E+02
9.50	0.340E+01	0.107E+03	0.173E+02	0.938E+01	0.137E+03	0.204E+02
9.60	0.255E+01	0.836E+02	0.132E+02	0.763E+01	0.108E+03	0.153E+02
9.70	0.130E+01	0.708E+02	0.118E+02	0.388E+01	0.877E+02	0.128E+02
9.80	0.122E+01	0.613E+02	0.110E+02	0.380E+01	0.718E+02	0.107E+02
9.90	0.885E+00	0.510E+02	0.974E+01	0.135E+01	0.588E+02	0.995E+01
10.00	0.295E+00	0.397E+02	0.778E+01	0.974E+00	0.455E+02	0.777E+01
10.02	0.103E+01	0.374E+02	0.696E+01	0.798E+00	0.442E+02	0.761E+01
10.04	0.345E+00	0.359E+02	0.683E+01	0.118E+01	0.428E+02	0.724E+01
10.06	0.648E+00	0.346E+02	0.665E+01	0.893E+00	0.404E+02	0.711E+01
10.08	0.227E+00	0.334E+02	0.652E+01	0.486E+00	0.389E+02	0.692E+01
10.10	0.203E+00	0.322E+02	0.636E+01	0.644E+00	0.348E+02	0.623E+01
10.12	0.141E+00	0.303E+02	0.615E+01	0.396E+00	0.325E+02	0.588E+01

Table 3. Synthetic Calcium Triplet Equivalent Widths, according to Jørgensen *et al.* (1992) theoretical calibrations (I). Standard IMF (α =2.35, m_{low} = 0.8 $M_\odot$, m_{up} = 100 $M_\odot$), $M_T = 1 \times 10^6$ $M_\odot$. EW(CaT) includes the lines at 8542, 8662 Å

	Z = 2.5 $Z_\odot$			Z = $Z_\odot$		
log *age* yr	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å
6.00	0.223E+04	0.362E+03	0.12	0.185E+04	0.544E+02	0.01
6.10	0.238E+04	0.362E+03	0.12	0.194E+04	0.544E+02	0.01
6.20	0.264E+04	0.362E+03	0.12	0.222E+04	0.544E+02	0.01
6.30	0.303E+04	0.362E+03	0.12	0.253E+04	0.544E+02	0.01
6.40	0.333E+04	0.362E+03	0.12	0.310E+04	0.544E+02	0.01
6.50	0.376E+04	0.362E+03	0.12	0.383E+04	0.544E+02	0.01
6.60	0.295E+04	0.362E+03	0.12	0.350E+04	0.385E+03	0.10
6.70	0.283E+04	0.755E+03	0.26	0.234E+04	0.197E+04	0.75
6.80	0.126E+05	0.137E+06	10.86	0.418E+04	0.214E+05	5.08
6.90	0.579E+04	0.749E+05	12.94	0.657E+04	0.691E+05	10.49
7.00	0.342E+04	0.391E+05	11.43	0.409E+04	0.421E+05	10.28
7.10	0.312E+04	0.352E+05	11.28	0.361E+04	0.323E+05	8.94
7.20	0.196E+04	0.187E+05	9.53	0.258E+04	0.225E+05	8.73
7.30	0.193E+04	0.186E+05	9.67	0.175E+04	0.141E+05	8.08
7.40	0.130E+04	0.106E+05	8.17	0.166E+04	0.132E+05	7.94
7.50	0.123E+04	0.987E+04	8.02	0.124E+04	0.876E+04	7.07
7.60	0.987E+03	0.727E+04	7.37	0.107E+04	0.700E+04	6.57
7.70	0.854E+03	0.595E+04	6.97	0.951E+03	0.609E+04	6.41
7.80	0.895E+03	0.736E+04	8.23	0.748E+03	0.432E+04	5.78
7.90	0.769E+03	0.604E+04	7.85	0.878E+03	0.661E+04	7.52
8.00	0.580E+03	0.406E+04	7.00	0.831E+03	0.634E+04	7.63
8.10	0.515E+03	0.350E+04	6.80	0.645E+03	0.451E+04	6.99
8.20	0.428E+03	0.279E+04	6.51	0.592E+03	0.411E+04	6.94
8.30	0.355E+03	0.208E+04	5.87	0.477E+03	0.315E+04	6.61
8.40	0.323E+03	0.193E+04	5.96	0.387E+03	0.230E+04	5.95
8.50	0.291E+03	0.177E+04	6.08	0.346E+03	0.200E+04	5.79
8.60	0.233E+03	0.129E+04	5.53	0.312E+03	0.185E+04	5.92
8.70	0.218E+03	0.131E+04	6.01	0.253E+03	0.139E+04	5.50
8.80	0.190E+03	0.114E+04	6.00	0.226E+03	0.126E+04	5.57
8.90	0.169E+03	0.104E+04	6.18	0.199E+03	0.111E+04	5.58
9.00	0.154E+03	0.111E+04	7.21	0.186E+03	0.107E+04	5.77
9.10	0.141E+03	0.112E+04	7.93	0.179E+03	0.116E+04	6.51
9.20	0.142E+03	0.126E+04	8.85	0.137E+03	0.894E+03	6.55
9.30	0.119E+03	0.107E+04	8.93	0.109E+03	0.764E+03	7.02
9.40	0.920E+02	0.830E+03	9.02	0.895E+02	0.635E+03	7.09
9.50	0.774E+02	0.700E+03	9.05	0.751E+02	0.536E+03	7.14
9.60	0.793E+02	0.748E+03	9.42	0.668E+02	0.481E+03	7.20
9.70	0.558E+02	0.517E+03	9.26	0.511E+02	0.369E+03	7.21
9.80	0.466E+02	0.432E+03	9.27	0.390E+02	0.281E+03	7.20
9.90	0.351E+02	0.324E+03	9.22	0.345E+02	0.252E+03	7.30
10.00	0.300E+02	0.278E+03	9.27	0.291E+02	0.212E+03	7.29
10.02	0.292E+02	0.272E+03	9.31	0.282E+02	0.206E+03	7.29
10.04	0.276E+02	0.258E+03	9.37	0.277E+02	0.204E+03	7.36
10.06	0.236E+02	0.218E+03	9.26	0.265E+02	0.194E+03	7.30
10.08	0.226E+02	0.209E+03	9.23	0.258E+02	0.189E+03	7.33
10.10	0.222E+02	0.206E+03	9.28	0.231E+02	0.168E+03	7.29
10.12	0.215E+02	0.200E+03	9.28	0.225E+02	0.165E+03	7.32

Table 4. Synthetic Calcium Triplet Equivalent Widths, according to Jørgensen *et al.* (1992) theoretical calibrations (II). Standard IMF (α =2.35, m_{low} = 0.8 $M_\odot$, m_{up} = 100 $M_\odot$), $M_T = 1 \times 10^6$ $M_\odot$. EW(CaT) includes the lines at 8542, 8662 Å

	Z = 0.4 $Z_\odot$			Z = 0.2 $Z_\odot$		
log *age* yr	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å
6.00	0.148E+04	0.296E+02	0.01	0.133E+04	0.885E+01	0.00
6.10	0.154E+04	0.296E+02	0.01	0.137E+04	0.885E+01	0.00
6.20	0.165E+04	0.296E+02	0.01	0.144E+04	0.885E+01	0.00
6.30	0.186E+04	0.296E+02	0.01	0.159E+04	0.887E+01	0.00
6.40	0.230E+04	0.296E+02	0.01	0.188E+04	0.887E+01	0.00
6.50	0.344E+04	0.296E+02	0.01	0.376E+04	0.887E+01	0.00
6.60	0.240E+04	0.536E+02	0.02	0.262E+04	0.292E+04	0.74
6.70	0.294E+04	0.486E+04	1.49	0.241E+04	0.218E+04	0.76
6.80	0.685E+04	0.323E+05	4.64	0.377E+04	0.502E+03	0.13
6.90	0.467E+04	0.245E+05	5.20	0.346E+04	0.731E+04	2.07
7.00	0.282E+04	0.149E+05	5.25	0.367E+04	0.140E+05	3.79
7.10	0.224E+04	0.974E+04	4.34	0.239E+04	0.849E+04	3.54
7.20	0.168E+04	0.702E+04	4.17	0.137E+04	0.403E+04	2.92
7.30	0.178E+04	0.842E+04	4.73	0.162E+04	0.561E+04	3.47
7.40	0.142E+04	0.621E+04	4.36	0.140E+04	0.466E+04	3.33
7.50	0.139E+04	0.631E+04	4.54	0.151E+04	0.549E+04	3.64
7.60	0.102E+04	0.408E+04	4.02	0.112E+04	0.375E+04	3.35
7.70	0.933E+03	0.360E+04	3.86	0.103E+04	0.328E+04	3.19
7.80	0.727E+03	0.247E+04	3.40	0.800E+03	0.230E+04	2.88
7.90	0.593E+03	0.181E+04	3.05	0.650E+03	0.171E+04	2.63
8.00	0.572E+03	0.176E+04	3.09	0.618E+03	0.165E+04	2.67
8.10	0.766E+03	0.407E+04	5.31	0.991E+03	0.443E+04	4.47
8.20	0.756E+03	0.427E+04	5.66	0.871E+03	0.369E+04	4.24
8.30	0.539E+03	0.280E+04	5.19	0.679E+03	0.271E+04	3.99
8.40	0.489E+03	0.248E+04	5.06	0.640E+03	0.268E+04	4.19
8.50	0.444E+03	0.226E+04	5.09	0.576E+03	0.245E+04	4.26
8.60	0.387E+03	0.197E+04	5.11	0.388E+03	0.148E+04	3.82
8.70	0.300E+03	0.140E+04	4.68	0.347E+03	0.133E+04	3.82
8.80	0.267E+03	0.125E+04	4.69	0.285E+03	0.104E+04	3.67
8.90	0.230E+03	0.105E+04	4.58	0.262E+03	0.973E+03	3.71
9.00	0.212E+03	0.986E+03	4.65	0.237E+03	0.890E+03	3.75
9.10	0.223E+03	0.109E+04	4.89	0.251E+03	0.977E+03	3.89
9.20	0.175E+03	0.889E+03	5.06	0.186E+03	0.737E+03	3.96
9.30	0.130E+03	0.676E+03	5.22	0.155E+03	0.614E+03	3.97
9.40	0.118E+03	0.662E+03	5.59	0.135E+03	0.548E+03	4.06
9.50	0.880E+02	0.498E+03	5.66	0.115E+03	0.485E+03	4.20
9.60	0.673E+02	0.383E+03	5.68	0.894E+02	0.381E+03	4.26
9.70	0.593E+02	0.341E+03	5.76	0.738E+02	0.323E+03	4.37
9.80	0.530E+02	0.308E+03	5.81	0.610E+02	0.271E+03	4.44
9.90	0.457E+02	0.268E+03	5.87	0.549E+02	0.251E+03	4.57
10.00	0.364E+02	0.215E+03	5.92	0.429E+02	0.196E+03	4.58
10.02	0.333E+02	0.197E+03	5.91	0.421E+02	0.193E+03	4.59
10.04	0.325E+02	0.192E+03	5.91	0.404E+02	0.186E+03	4.59
10.06	0.313E+02	0.186E+03	5.93	0.392E+02	0.181E+03	4.62
10.08	0.307E+02	0.182E+03	5.94	0.381E+02	0.176E+03	4.64
10.10	0.296E+02	0.175E+03	5.94	0.341E+02	0.158E+03	4.64
10.12	0.287E+02	0.171E+03	5.95	0.323E+02	0.150E+03	4.65

Table 5. Synthetic Calcium Triplet Equivalent Widths, according to Díaz *et al.* (1989) empirical calibrations (I). Standard IMF (α =2.35, $m_{low} = 0.8$ $M_\odot$, $m_{up} = 100$ $M_\odot$), $M_T = 1 \times 10^6$ $M_\odot$. EW(CaT) includes the lines at 8542, 8662 Å

	Z = 2.5 $Z_\odot$			Z = $Z_\odot$		
log *age* yr	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å
6.00	0.223E+04	0.321E+03	0.10	0.168E+04	0.534E+02	0.01
6.10	0.238E+04	0.321E+03	0.10	0.176E+04	0.534E+02	0.01
6.20	0.264E+04	0.321E+03	0.10	0.202E+04	0.534E+02	0.01
6.30	0.303E+04	0.321E+03	0.10	0.230E+04	0.534E+02	0.01
6.40	0.333E+04	0.321E+03	0.10	0.281E+04	0.534E+02	0.01
6.50	0.376E+04	0.321E+03	0.10	0.348E+04	0.534E+02	0.01
6.60	0.295E+04	0.321E+03	0.10	0.350E+04	0.423E+03	0.11
6.70	0.283E+04	0.613E+03	0.21	0.234E+04	0.190E+04	0.72
6.80	0.126E+05	0.112E+06	8.82	0.418E+04	0.207E+05	4.90
6.90	0.579E+04	0.671E+05	11.59	0.657E+04	0.685E+05	10.40
7.00	0.342E+04	0.364E+05	10.64	0.409E+04	0.433E+05	10.56
7.10	0.312E+04	0.335E+05	10.73	0.361E+04	0.345E+05	9.55
7.20	0.196E+04	0.181E+05	9.20	0.258E+04	0.244E+05	9.46
7.30	0.193E+04	0.182E+05	9.44	0.175E+04	0.155E+05	8.87
7.40	0.130E+04	0.105E+05	8.04	0.166E+04	0.147E+05	8.82
7.50	0.123E+04	0.975E+04	7.92	0.124E+04	0.986E+04	7.97
7.60	0.987E+03	0.719E+04	7.28	0.107E+04	0.786E+04	7.38
7.70	0.854E+03	0.580E+04	6.79	0.951E+03	0.680E+04	7.15
7.80	0.895E+03	0.734E+04	8.21	0.748E+03	0.479E+04	6.41
7.90	0.769E+03	0.603E+04	7.84	0.878E+03	0.758E+04	8.64
8.00	0.580E+03	0.403E+04	6.94	0.831E+03	0.734E+04	8.83
8.10	0.515E+03	0.346E+04	6.71	0.645E+03	0.523E+04	8.11
8.20	0.428E+03	0.277E+04	6.47	0.592E+03	0.480E+04	8.11
8.30	0.355E+03	0.205E+04	5.79	0.477E+03	0.373E+04	7.81
8.40	0.323E+03	0.190E+04	5.88	0.387E+03	0.271E+04	7.02
8.50	0.291E+03	0.175E+04	6.02	0.346E+03	0.237E+04	6.85
8.60	0.233E+03	0.126E+04	5.39	0.312E+03	0.220E+04	7.05
8.70	0.218E+03	0.127E+04	5.82	0.253E+03	0.162E+04	6.42
8.80	0.190E+03	0.112E+04	5.89	0.226E+03	0.148E+04	6.57
8.90	0.169E+03	0.102E+04	6.07	0.199E+03	0.131E+04	6.59
9.00	0.154E+03	0.111E+04	7.22	0.186E+03	0.127E+04	6.84
9.10	0.141E+03	0.113E+04	7.97	0.179E+03	0.142E+04	7.95
9.20	0.142E+03	0.129E+04	9.07	0.137E+03	0.110E+04	8.04
9.30	0.119E+03	0.111E+04	9.25	0.109E+03	0.935E+03	8.59
9.40	0.920E+02	0.854E+03	9.28	0.895E+02	0.767E+03	8.56
9.50	0.774E+02	0.726E+03	9.38	0.751E+02	0.642E+03	8.55
9.60	0.793E+02	0.787E+03	9.92	0.668E+02	0.573E+03	8.57
9.70	0.558E+02	0.542E+03	9.71	0.511E+02	0.437E+03	8.54
9.80	0.466E+02	0.452E+03	9.69	0.390E+02	0.330E+03	8.46
9.90	0.351E+02	0.338E+03	9.62	0.345E+02	0.296E+03	8.57
10.00	0.300E+02	0.293E+03	9.76	0.291E+02	0.250E+03	8.59
10.02	0.292E+02	0.286E+03	9.78	0.282E+02	0.243E+03	8.60
10.04	0.276E+02	0.272E+03	9.85	0.277E+02	0.240E+03	8.67
10.06	0.236E+02	0.227E+03	9.65	0.265E+02	0.228E+03	8.60
10.08	0.226E+02	0.218E+03	9.65	0.258E+02	0.223E+03	8.63
10.10	0.222E+02	0.216E+03	9.72	0.231E+02	0.198E+03	8.57
10.12	0.215E+02	0.210E+03	9.75	0.225E+02	0.193E+03	8.57

Table 6. Synthetic Calcium Triplet Equivalent Widths, according to Díaz *et al.* (1989) empirical calibrations (II). Standard IMF (α =2.35, m_{low} = 0.8 $M_\odot$, m_{up} = 100 $M_\odot$), $M_T = 1 \times 10^6$ $M_\odot$. EW(CaT) includes the lines at 8542, 8662 Å

	Z = 0.4 $Z_\odot$			Z = 0.2 $Z_\odot$		
log *age* yr	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å	Continuum L/ $L_\odot$	Intensity L/ $L_\odot$	EW(CaT) Å
6.00	0.135E+04	0.307E+02	0.01	0.120E+04	0.138E+02	0.00
6.10	0.140E+04	0.307E+02	0.01	0.124E+04	0.138E+02	0.00
6.20	0.150E+04	0.307E+02	0.01	0.131E+04	0.138E+02	0.00
6.30	0.168E+04	0.307E+02	0.01	0.144E+04	0.139E+02	0.00
6.40	0.209E+04	0.307E+02	0.01	0.170E+04	0.139E+02	0.00
6.50	0.312E+04	0.307E+02	0.01	0.341E+04	0.139E+02	0.00
6.60	0.240E+04	0.563E+02	0.02	0.262E+04	0.391E+04	0.99
6.70	0.294E+04	0.450E+04	1.37	0.241E+04	0.316E+04	1.11
6.80	0.685E+04	0.340E+05	4.89	0.377E+04	0.858E+03	0.22
6.90	0.467E+04	0.236E+05	5.00	0.346E+04	0.950E+04	2.68
7.00	0.282E+04	0.148E+05	5.24	0.367E+04	0.177E+05	4.79
7.10	0.224E+04	0.997E+04	4.45	0.239E+04	0.109E+05	4.54
7.20	0.168E+04	0.734E+04	4.36	0.137E+04	0.529E+04	3.84
7.30	0.178E+04	0.901E+04	5.06	0.162E+04	0.745E+04	4.61
7.40	0.142E+04	0.676E+04	4.75	0.140E+04	0.629E+04	4.50
7.50	0.139E+04	0.705E+04	5.07	0.151E+04	0.755E+04	5.00
7.60	0.102E+04	0.467E+04	4.60	0.112E+04	0.528E+04	4.71
7.70	0.933E+03	0.421E+04	4.52	0.103E+04	0.468E+04	4.56
7.80	0.727E+03	0.295E+04	4.05	0.800E+03	0.335E+04	4.19
7.90	0.593E+03	0.219E+04	3.69	0.650E+03	0.250E+04	3.84
8.00	0.572E+03	0.216E+04	3.78	0.618E+03	0.246E+04	3.97
8.10	0.766E+03	0.482E+04	6.30	0.991E+03	0.627E+04	6.33
8.20	0.756E+03	0.510E+04	6.74	0.871E+03	0.536E+04	6.15
8.30	0.539E+03	0.334E+04	6.20	0.679E+03	0.394E+04	5.81
8.40	0.489E+03	0.298E+04	6.09	0.640E+03	0.407E+04	6.36
8.50	0.444E+03	0.273E+04	6.15	0.576E+03	0.367E+04	6.37
8.60	0.387E+03	0.239E+04	6.18	0.388E+03	0.221E+04	5.70
8.70	0.300E+03	0.172E+04	5.73	0.347E+03	0.197E+04	5.68
8.80	0.267E+03	0.153E+04	5.72	0.285E+03	0.156E+04	5.46
8.90	0.230E+03	0.129E+04	5.61	0.262E+03	0.145E+04	5.54
9.00	0.212E+03	0.122E+04	5.78	0.237E+03	0.133E+04	5.60
9.10	0.223E+03	0.137E+04	6.16	0.251E+03	0.147E+04	5.84
9.20	0.175E+03	0.113E+04	6.44	0.186E+03	0.111E+04	5.93
9.30	0.130E+03	0.874E+03	6.74	0.155E+03	0.923E+03	5.97
9.40	0.118E+03	0.850E+03	7.18	0.135E+03	0.825E+03	6.12
9.50	0.880E+02	0.638E+03	7.25	0.115E+03	0.731E+03	6.34
9.60	0.673E+02	0.486E+03	7.21	0.894E+02	0.584E+03	6.53
9.70	0.593E+02	0.431E+03	7.27	0.738E+02	0.495E+03	6.70
9.80	0.530E+02	0.388E+03	7.31	0.610E+02	0.412E+03	6.75
9.90	0.457E+02	0.336E+03	7.36	0.549E+02	0.378E+03	6.88
10.00	0.364E+02	0.270E+03	7.41	0.429E+02	0.295E+03	6.87
10.02	0.333E+02	0.245E+03	7.35	0.421E+02	0.289E+03	6.87
10.04	0.325E+02	0.240E+03	7.38	0.404E+02	0.277E+03	6.86
10.06	0.313E+02	0.233E+03	7.43	0.392E+02	0.271E+03	6.91
10.08	0.307E+02	0.228E+03	7.43	0.381E+02	0.263E+03	6.92
10.10	0.296E+02	0.219E+03	7.42	0.341E+02	0.237E+03	6.94
10.12	0.287E+02	0.214E+03	7.45	0.323E+02	0.225E+03	6.95

Table 7. Two-Populations composite models according to Jørgensen *et al.* (1992) calibrations.

		Z = 2.5 $Z_\odot$		Z = $Z_\odot$		Z = 0.4 $Z_\odot$	
P	Age Myr	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å
—	2.5	0.11	88.4	0.02	184.7	0.01	320.3
—	5	0.27	16.7	0.84	83.9	1.65	75.3
—	8	12.94	—	10.52	—	5.25	—
—	12	11.28	—	8.95	—	4.35	—
—	10^4	7.28	—	5.91	—	4.58	—
—	2.5 + 8	8.25	68.5	7.15	116.0	3.52	193.0
—	2.5 + 12	5.51	75.0	4.82	145.1	2.15	238.1
—	5 + 8	8.78	11.7	7.98	42.4	3.86	41.9
—	5 + 12	6.04	13.2	5.76	57.8	2.82	53.2
0.10		7.01	22.8	5.68	46.4	4.45	67.3
0.30		6.52	45.1	5.27	92.6	4.22	142.1
0.50		6.09	56.1	4.92	115.7	4.02	182.8
0.80		5.55	65.0	4.47	134.6	3.74	217.8
1.00	2.5 + 10^4	5.24	68.7	4.22	142.3	3.58	232.7
5.00		2.50	83.6	1.97	174.3	1.93	297.9
10.00		1.54	86.0	1.19	179.3	1.23	308.7
30.00		0.66	87.6	0.47	182.8	0.50	316.3
50.00		0.45	87.9	0.30	183.6	0.32	317.9
100.00		0.28	88.2	0.16	184.1	0.17	319.1
0.10		7.01	3.7	5.66	21.1	4.44	16.8
0.30		6.51	7.7	5.24	42.2	4.22	34.8
0.50		6.09	9.8	4.89	52.6	4.03	44.3
0.80		5.54	11.6	4.45	61.2	3.79	52.4
1.00	5 + 10^4	5.24	12.4	4.21	64.7	3.65	55.8
5.00		2.56	15.6	2.28	79.2	2.54	70.4
10.00		1.64	16.1	1.68	81.5	2.17	72.7
30.00		0.79	16.5	1.16	83.1	1.85	74.4
50.00		0.59	16.6	1.04	83.4	1.77	74.7
100.00		0.43	16.6	0.94	83.6	1.72	75.0

Table 8. Three-Populations composite models according to Jørgensen *et al.* (1992) calibrations.

		$Z = 2.5\ Z_\odot$		$Z = Z_\odot$		$Z = 0.4\ Z_\odot$	
P	Age Myr	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å
0.10		7.35	16.0	5.98	23.3	4.53	35.4
0.30		7.46	32.8	6.09	49.9	4.45	77.8
0.50		7.55	41.4	6.19	64.6	4.38	102.2
0.80		7.65	48.6	6.31	77.5	4.30	124.1
1.00	$2.5 + 8 + 10^4$	7.70	51.6	6.37	83.0	4.26	133.6
5.00		8.05	64.3	6.84	107.4	3.85	177.2
10.00		8.14	66.4	6.97	111.5	3.72	184.8
30.00		8.21	67.8	7.09	114.5	3.60	190.2
50.00		8.23	68.1	7.11	115.1	3.57	191.3
100.00		8.24	68.3	7.13	115.5	3.54	192.1
0.10		7.18	18.0	5.85	32.2	4.48	47.1
0.30		7.02	36.5	5.75	66.9	4.32	101.3
0.50		6.88	45.9	5.66	85.2	4.19	131.6
0.80		6.71	53.7	5.56	100.8	4.01	158.1
1.00	$2.5 + 12 + 10^4$	6.62	56.9	5.51	107.4	3.91	169.5
5.00		5.96	70.5	5.10	135.5	2.99	220.3
10.00		5.77	72.7	4.98	140.1	2.66	228.8
30.00		5.61	74.2	4.88	143.4	2.35	234.9
50.00		5.57	74.5	4.86	144.0	2.27	236.2
100.00		5.54	74.7	4.84	144.5	2.21	237.2
0.10		7.40	2.4	6.04	8.0	4.53	7.8
0.30		7.57	5.1	6.25	17.4	4.47	17.1
0.50		7.71	6.6	6.43	22.8	4.42	22.4
0.80		7.87	7.9	6.63	27.6	4.36	27.1
1.00	$5 + 8 + 10^4$	7.95	8.5	6.74	29.7	4.32	29.2
5.00		8.48	10.9	7.50	39.1	4.05	38.6
10.00		8.61	11.3	7.71	40.7	3.97	40.2
30.00		8.72	11.6	7.88	41.8	3.90	41.3
50.00		8.74	11.6	7.92	42.1	3.88	41.6
100.00		8.76	11.7	7.95	42.3	3.87	41.7
0.10		7.21	2.8	5.90	12.2	4.48	10.9
0.30		7.09	5.9	5.88	25.7	4.34	23.1
0.50		6.99	7.6	5.87	33.1	4.21	29.9
0.80		6.87	9.0	5.85	39.4	4.06	35.7
1.00	$5 + 12 + 10^4$	6.80	9.6	5.85	42.1	3.98	38.2
5.00		6.34	12.3	5.79	53.8	3.31	49.3
10.00		6.21	12.7	5.78	55.7	3.11	51.2
30.00		6.11	13.0	5.77	57.1	2.93	52.5
50.00		6.08	13.1	5.76	57.4	2.88	52.7
100.00		6.06	13.2	5.76	57.6	2.85	52.9

Table 9. Two-Populations composite models according to Díaz *et al.* (1989) calibrations.

		Z = 2.5 $Z_\odot$		Z = $Z_\odot$		Z = 0.4 $Z_\odot$	
P	Age Myr	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å
—	2.5	0.10	88.4	0.02	184.7	0.01	320.3
—	5	0.22	16.7	0.81	83.9	1.53	75.3
—	8	11.59	—	10.43	—	5.05	—
—	12	10.74	—	9.56	—	4.45	—
—	10^4	8.59	—	7.42	—	6.87	—
—	2.5 + 8	7.39	68.5	7.31	116.0	3.50	193.0
—	2.5 + 12	5.24	75.0	5.38	145.1	2.31	238.1
—	5 + 8	7.86	11.7	7.90	42.4	3.69	41.9
—	5 + 12	5.73	13.2	6.12	57.8	2.79	53.2
0.10		8.26	22.8	7.16	46.4	6.71	67.3
0.30		7.68	45.1	6.69	92.6	6.40	142.1
0.50		7.18	56.1	6.28	115.7	6.11	182.8
0.80		6.53	65.0	5.75	134.6	5.73	217.8
1.00	2.5 + 10^4	6.16	68.7	5.44	142.3	5.50	232.7
5.00		2.93	83.6	2.64	174.3	3.06	297.9
10.00		1.79	86.0	1.61	179.3	1.97	308.7
30.00		0.75	87.6	0.64	182.8	0.82	316.3
50.00		0.50	87.9	0.40	183.6	0.52	317.9
100.00		0.30	88.2	0.22	184.1	0.28	319.1
0.10		8.26	3.7	7.10	21.1	6.64	16.8
0.30		7.67	7.7	6.55	42.2	6.23	34.8
0.50		7.16	9.8	6.09	52.6	5.88	44.3
0.80		6.51	11.6	5.52	61.2	5.44	52.4
1.00	5 + 10^4	6.15	12.4	5.21	64.7	5.20	55.8
5.00		2.95	15.6	2.69	79.2	3.15	70.4
10.00		1.85	16.1	1.91	81.5	2.49	72.7
30.00		0.84	16.5	1.22	83.1	1.89	74.4
50.00		0.60	16.6	1.07	83.4	1.75	74.7
100.00		0.41	16.6	0.94	83.6	1.64	75.0

Table 10. Three-Populations composite models according to Díaz *et al.* (1989) calibrations.

		$Z = 2.5\ Z_\odot$		$Z = Z_\odot$		$Z = 0.4\ Z_\odot$	
P	Age Myr	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å	EW(CaT) Å	EW(H_β) Å
0.10		8.51	16.0	7.41	23.3	6.74	35.4
0.30		8.37	32.8	7.40	49.9	6.50	77.8
0.50		8.27	41.4	7.39	64.6	6.30	102.2
0.80		8.14	48.6	7.38	77.5	6.04	124.1
1.00	$2.5 + 8 + 10^4$	8.08	51.6	7.38	83.0	5.89	133.6
5.00		7.65	64.3	7.34	107.4	4.60	177.2
10.00		7.53	66.4	7.32	111.5	4.15	184.8
30.00		7.44	67.8	7.31	114.5	3.75	190.2
50.00		7.42	68.1	7.31	115.1	3.65	191.3
100.00		7.41	68.3	7.31	115.5	3.58	192.1
0.10		8.40	18.0	7.31	32.2	6.72	47.1
0.30		8.08	36.5	7.13	66.9	6.43	101.3
0.50		7.82	45.9	6.97	85.2	6.18	131.6
0.80		7.51	53.7	6.79	100.8	5.86	158.1
1.00	$2.5 + 12 + 10^4$	7.34	56.9	6.69	107.4	5.67	169.5
5.00		6.08	70.5	5.92	135.5	3.94	220.3
10.00		5.72	72.7	5.69	140.1	3.31	228.8
30.00		5.42	74.2	5.50	143.4	2.70	234.9
50.00		5.35	74.5	5.45	144.0	2.55	236.2
100.00		5.30	74.7	5.42	144.5	2.43	237.2
0.10		8.54	2.4	7.45	8.0	6.72	7.8
0.30		8.45	5.1	7.50	17.4	6.44	17.1
0.50		8.38	6.6	7.54	22.8	6.21	22.4
0.80		8.30	7.9	7.59	27.6	5.93	27.1
1.00	$5 + 8 + 10^4$	8.26	8.5	7.61	29.7	5.78	29.2
5.00		8.00	10.9	7.79	39.1	4.57	38.6
10.00		7.94	11.3	7.84	40.7	4.20	40.2
30.00		7.89	11.6	7.88	41.8	3.88	41.3
50.00		7.87	11.6	7.89	42.1	3.81	41.6
100.00		7.86	11.7	7.89	42.3	3.75	41.7
0.10		8.42	2.8	7.33	12.2	6.68	10.9
0.30		8.13	5.9	7.19	25.7	6.33	23.1
0.50		7.90	7.6	7.08	33.1	6.05	29.9
0.80		7.63	9.0	6.95	39.4	5.69	35.7
1.00	$5 + 12 + 10^4$	7.48	9.6	6.88	42.1	5.50	38.2
5.00		6.42	12.3	6.41	53.8	3.94	49.3
10.00		6.12	12.7	6.28	55.7	3.46	51.2
30.00		5.88	13.0	6.18	57.1	3.04	52.5
50.00		5.82	13.1	6.15	57.4	2.95	52.7
100.00		5.78	13.2	6.14	57.6	2.87	52.9