Table 1. Initial element abundances adopted

Element	Z=0.001	0.004	0.008	0.02	0.04
H	0.756	0.744	0.728	0.68	0.62
^{4}He	0.243	0.252	0.264	0.30	0.34
^{12}C	2.24(-4)	9.73(-4)	1.79(-3)	4.47(-3)	9.73(-3)
^{13}C	0.04(-4)	0.16(-4)	0.29(-4)	0.72(-4)	1.56(-4)
^{14}N	0.70(-4)	2.47(-4)	5.59(-4)	1.40(-3)	2.47(-3)
^{16}O	5.31(-4)	2.11(-3)	4.24(-3)	1.06(-2)	2.11(-2)

Table 2. Pre-AGB yields for Z_{ini}= 0.001, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.00	.80
.9	-.676E-03	.682E-03	-.762E-06	-.124E-05	.838E-06	.622E-07	-.106E-05	-.106E-05	.03	.87
1.0	-.726E-03	.669E-03	-.110E-05	-.107E-05	.126E-05	.450E-07	-.829E-06	-.829E-06	.03	.97
1.3	-.173E-03	.173E-03	-.438E-06	-.241E-06	.506E-06	.640E-08	-.153E-06	-.153E-06	.01	1.24
1.3	-.435E-03	.390E-03	-.101E-05	-.614E-06	.116E-05	-.160E-07	-.459E-06	-.459E-06	.02	1.23
1.5	-.176E-03	.171E-03	-.592E-06	-.265E-06	.695E-06	.533E-08	-.140E-06	-.140E-06	.01	1.49
1.7	-.388E-04	.391E-04	-.166E-06	-.658E-07	.197E-06	-.294E-08	-.322E-07	-.322E-07	.00	1.70
2.0	-.602E-04	.581E-04	-.253E-06	-.977E-07	.353E-06	-.635E-07	-.516E-07	-.516E-07	.01	1.99
2.5	-.317E-04	.310E-04	-.294E-06	-.105E-06	.398E-06	-.624E-07	-.530E-07	-.530E-07	.01	2.49
3.0	-.151E-04	.123E-04	-.335E-06	-.125E-06	.394E-06	-.700E-08	-.641E-07	-.641E-07	.01	2.99
4.0	-.420E-05	.490E-05	-.231E-06	-.100E-06	.274E-06	-.600E-08	-.580E-07	-.580E-07	.01	3.99
5.0	-.119E-04	.274E-05	-.190E-06	-.880E-07	.225E-06	-.660E-08	-.571E-07	-.571E-07	.01	4.99
7.0	-.777E-05	.311E-05	-.168E-06	-.784E-07	.206E-06	-.117E-07	-.476E-07	-.476E-07	.02	6.98

Table 3. AGB yields for Z_{ini}= 0.001, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.121E-01	.121E-01	-.187E-04	-.107E-04	.218E-04	-.176E-05	-.929E-05	-.149E-07	.27	.55
.9	-.127E-01	.127E-01	-.207E-04	-.117E-04	.242E-04	-.193E-05	-.101E-04	-.147E-07	.33	.57
1.0	-.133E-01	.133E-01	-.236E-04	-.131E-04	.276E-04	-.215E-05	-.113E-04	-.170E-07	.41	.59
1.3	-.185E-01	.168E-01	.149E-02	-.156E-04	.332E-04	.132E-03	.164E-02	.166E-02	.60	.65
1.5	-.196E-01	.172E-01	.221E-02	-.173E-04	.380E-04	.196E-03	.243E-02	.244E-02	.79	.71
1.7	-.180E-01	.154E-01	.230E-02	-.174E-04	.396E-04	.204E-03	.252E-02	.254E-02	.91	.79
2.0	-.222E-01	.187E-01	.305E-02	-.188E-04	.701E-04	.262E-03	.337E-02	.354E-02	1.13	.86
2.5	-.181E-01	.142E-01	.341E-02	-.193E-04	.760E-04	.293E-03	.376E-02	.388E-02	1.50	.99
3.0	-.164E-01	.122E-01	.375E-02	-.204E-04	.702E-04	.331E-03	.413E-02	.427E-02	1.90	1.09
3.5	-.185E-01	.138E-01	.367E-02	.336E-03	.202E-03	.362E-03	.457E-02	.468E-02	2.28	1.20
4.0	-.219E-01	.166E-01	.877E-03	.180E-03	.379E-02	.344E-03	.520E-02	.528E-02	2.71	1.27
4.5	-.241E-01	.183E-01	.471E-03	.480E-04	.482E-02	.417E-03	.576E-02	.584E-02	3.14	1.34
5.0	-.260E-01	.197E-01	.472E-03	.414E-04	.541E-02	.338E-03	.626E-02	.635E-02	3.57	1.41
6.0	-.308E-01	.236E-01	.571E-03	.625E-04	.655E-02	.355E-04	.722E-02	.728E-02	4.43	1.56
7.0	-.352E-01	.272E-01	.613E-03	.748E-04	.731E-02	.465E-04	.805E-02	.808E-02	5.28	1.70
8.0	-.382E-01	.295E-01	.603E-03	.859E-04	.794E-02	.960E-04	.873E-02	.878E-02	6.13	1.84

Table 4. Final AGB yields for Z_{ini}= 0.001, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.374E-03	.374E-03	-.579E-06	-.330E-06	.676E-06	-.546E-07	-.288E-06	-.436E-09	.01	.54
.9	-.689E-03	.689E-03	-.113E-05	-.634E-06	.132E-05	-.105E-06	-.551E-06	-.889E-09	.02	.56
1.0	-.744E-03	.744E-03	-.132E-05	-.728E-06	.154E-05	-.120E-06	-.628E-06	-.100E-08	.02	.57
1.3	-.576E-02	.433E-02	.131E-02	-.166E-05	.271E-05	.116E-03	.143E-02	.143E-02	.06	.59
1.5	-.468E-02	.360E-02	.997E-03	-.194E-05	.371E-05	.883E-04	.109E-02	.109E-02	.09	.62
1.7	-.549E-02	.426E-02	.113E-02	-.294E-05	.610E-05	.999E-04	.123E-02	.123E-02	.15	.64
2.0	-.725E-02	.550E-02	.158E-02	-.313E-05	.106E-04	.138E-03	.172E-02	.175E-02	.19	.68
2.5	-.631E-02	.461E-02	.154E-02	-.327E-05	.118E-04	.135E-03	.168E-02	.170E-02	.25	.74
3.0	-.382E-02	.274E-02	.969E-03	-.292E-05	.963E-05	.857E-04	.106E-02	.108E-02	.27	.82
3.5	-.448E-02	.324E-02	.976E-03	.101E-03	.529E-04	.986E-04	.123E-02	.124E-02	.33	.87
4.0	-.485E-02	.357E-02	.211E-03	.432E-04	.930E-03	.871E-04	.127E-02	.128E-02	.36	.91
4.5	-.502E-02	.369E-02	.114E-03	.130E-04	.109E-02	.970E-04	.132E-02	.133E-02	.40	.95
5.0	-.513E-02	.377E-02	.108E-03	.112E-04	.116E-02	.736E-04	.135E-02	.136E-02	.43	.98
6.0	-.559E-02	.413E-02	.120E-03	.147E-04	.130E-02	.109E-04	.145E-02	.145E-02	.50	1.06
7.0	-.600E-02	.447E-02	.121E-03	.163E-04	.137E-02	.165E-04	.153E-02	.153E-02	.57	1.13

Table 5. Total yields for Z_{ini}= 0.001, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.140E-01	.140E-01	-.226E-04	-.135E-04	.264E-04	-.197E-05	-.117E-04	-.108E-05	.38	.56
1.0	-.148E-01	.148E-01	-.260E-04	-.149E-04	.304E-04	-.223E-05	-.127E-04	-.847E-06	.46	.57
1.3	-.244E-01	.213E-01	.281E-02	-.175E-04	.364E-04	.249E-03	.308E-02	.309E-02	.67	.59
1.3	-.247E-01	.215E-01	.281E-02	-.178E-04	.371E-04	.249E-03	.308E-02	.309E-02	.69	.59
1.5	-.245E-01	.210E-01	.321E-02	-.195E-04	.424E-04	.284E-03	.351E-02	.353E-02	.89	.62
1.7	-.235E-01	.197E-01	.343E-02	-.204E-04	.459E-04	.304E-03	.375E-02	.377E-02	1.06	.64
2.0	-.295E-01	.242E-01	.463E-02	-.220E-04	.811E-04	.400E-03	.509E-02	.529E-02	1.32	.68
2.5	-.244E-01	.188E-01	.495E-02	-.227E-04	.882E-04	.429E-03	.544E-02	.559E-02	1.76	.74
3.0	-.203E-01	.149E-01	.472E-02	-.234E-04	.802E-04	.417E-03	.519E-02	.535E-02	2.18	.82
4.0	-.268E-01	.202E-01	.109E-02	.223E-03	.472E-02	.431E-03	.647E-02	.656E-02	3.09	.91
5.0	-.311E-01	.234E-01	.580E-03	.525E-04	.657E-02	.412E-03	.761E-02	.772E-02	4.02	.98
7.0	-.412E-01	.316E-01	.734E-03	.910E-04	.869E-02	.629E-04	.958E-02	.961E-02	5.87	1.13
8.0	-.382E-01	.295E-01	.603E-03	.858E-04	.794E-02	.960E-04	.872E-02	.878E-02	6.17	1.84

Table 6. Pre-AGB yields for Z_{ini}= 0.004, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.480E-04	.385E-04	.128E-05	-.205E-07	.330E-06	.276E-05	.436E-05	.436E-05	.00	.80
.9	-.132E-03	.114E-03	.291E-05	-.189E-07	.109E-05	.684E-05	.108E-04	.108E-04	.00	.90
1.0	-.178E-03	.154E-03	.337E-05	-.220E-07	.176E-05	.868E-05	.138E-04	.138E-04	.01	.99
1.3	-.883E-04	.774E-04	.140E-05	-.136E-07	.118E-05	.429E-05	.687E-05	.687E-05	.00	1.25
1.3	-.704E-04	.648E-04	.127E-05	-.720E-08	.100E-05	.378E-05	.606E-05	.606E-05	.00	1.25
1.5	-.575E-03	.507E-03	.788E-05	-.109E-06	.960E-05	.286E-04	.461E-04	.461E-04	.03	1.47
1.7	-.455E-03	.405E-03	.586E-05	-.102E-06	.863E-05	.224E-04	.369E-04	.369E-04	.02	1.68
2.0	-.243E-03	.215E-03	.291E-05	-.590E-07	.470E-05	.106E-04	.182E-04	.182E-04	.01	1.99
2.5	-.255E-03	.238E-03	.275E-05	-.512E-07	.564E-05	.106E-04	.189E-04	.189E-04	.02	2.48
3.0	-.340E-03	.295E-03	.400E-05	-.660E-07	.827E-05	.154E-04	.276E-04	.276E-04	.03	2.97
4.0	-.141E-03	.129E-03	.315E-05	-.355E-07	.523E-05	.115E-04	.199E-04	.199E-04	.03	3.97
5.0	-.926E-04	.761E-04	.226E-05	-.196E-07	.344E-05	.806E-05	.138E-04	.138E-04	.03	4.97
7.0	-.192E-03	.160E-03	.490E-05	-.431E-07	.740E-05	.172E-04	.296E-04	.296E-04	.08	6.92

Table 7. AGB yields for Z_{ini}= 0.004, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.108E-01	.108E-01	-.753E-04	.564E-05	.879E-04	-.649E-05	.117E-04	-.144E-07	.25	.57
.9	-.110E-01	.110E-01	-.811E-04	.593E-05	.947E-04	-.689E-05	.126E-04	.210E-09	.29	.61
1.0	-.119E-01	.119E-01	-.950E-04	.673E-05	.111E-03	-.791E-05	.147E-04	-.698E-08	.38	.62
1.3	-.155E-01	.144E-01	.890E-03	.770E-05	.138E-03	.730E-04	.111E-02	.109E-02	.57	.68
1.5	-.176E-01	.157E-01	.164E-02	.864E-05	.167E-03	.135E-03	.195E-02	.193E-02	.80	.70
1.7	-.205E-01	.174E-01	.272E-02	.941E-05	.194E-03	.224E-03	.315E-02	.311E-02	1.03	.67
2.0	-.288E-01	.239E-01	.411E-02	.103E-04	.314E-03	.287E-03	.472E-02	.493E-02	1.29	.70
2.5	-.318E-01	.263E-01	.469E-02	.112E-04	.375E-03	.296E-03	.537E-02	.545E-02	1.66	.82
3.0	-.334E-01	.267E-01	.583E-02	.117E-04	.400E-03	.380E-03	.662E-02	.671E-02	2.10	.86
3.5	-.228E-01	.183E-01	.380E-02	.916E-04	.367E-03	.239E-03	.450E-02	.455E-02	2.31	1.16
4.0	-.207E-01	.161E-01	.645E-03	.215E-03	.354E-02	.199E-03	.459E-02	.462E-02	2.67	1.30
4.5	-.237E-01	.185E-01	.223E-03	.801E-04	.460E-02	.266E-03	.517E-02	.520E-02	3.11	1.36
5.0	-.263E-01	.206E-01	.215E-03	.724E-04	.522E-02	.194E-03	.570E-02	.573E-02	3.54	1.43
6.0	-.290E-01	.224E-01	.284E-03	.916E-04	.636E-02	-.166E-03	.657E-02	.661E-02	4.38	1.57
7.0	-.312E-01	.239E-01	.297E-03	.103E-03	.718E-02	-.242E-03	.734E-02	.738E-02	5.22	1.70
8.0	-.357E-01	.277E-01	.248E-03	.113E-03	.791E-02	-.316E-03	.795E-02	.798E-02	6.17	1.84

Table 8. Final AGB yields for Z_{ini}= 0.004, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.545E-04	.545E-04	-.380E-06	.284E-07	.443E-06	-.327E-07	.591E-07	-.725E-10	.00	.57
.9	-.107E-02	.107E-02	-.788E-05	.577E-06	.920E-05	-.670E-06	.122E-05	.437E-09	.03	.58
1.0	-.397E-02	.313E-02	.769E-03	.688E-06	.114E-04	.628E-04	.844E-03	.840E-03	.05	.58
1.3	-.478E-02	.388E-02	.815E-03	.119E-05	.214E-04	.666E-04	.905E-03	.899E-03	.10	.59
1.5	-.334E-02	.274E-02	.534E-03	.107E-05	.208E-04	.438E-04	.600E-03	.596E-03	.10	.60
1.7	-.335E-02	.251E-02	.771E-03	.564E-06	.119E-04	.631E-04	.847E-03	.843E-03	.07	.60
2.0	-.368E-02	.277E-02	.813E-03	.593E-06	.187E-04	.634E-04	.896E-03	.907E-03	.08	.62
2.5	-.576E-02	.441E-02	.121E-02	.111E-05	.382E-04	.898E-04	.134E-02	.135E-02	.18	.64
3.0	-.649E-02	.479E-02	.154E-02	.101E-05	.358E-04	.117E-03	.170E-02	.170E-02	.21	.66
3.5	-.491E-02	.372E-02	.103E-02	.293E-04	.514E-04	.756E-04	.118E-02	.119E-02	.33	.83
4.0	-.488E-02	.365E-02	.194E-03	.527E-04	.925E-03	.655E-04	.124E-02	.124E-02	.39	.91
4.5	-.511E-02	.383E-02	.832E-04	.180E-04	.110E-02	.765E-04	.128E-02	.128E-02	.42	.94
5.0	-.533E-02	.401E-02	.775E-04	.154E-04	.118E-02	.552E-04	.132E-02	.133E-02	.45	.98
6.0	-.552E-02	.411E-02	.872E-04	.184E-04	.132E-02	-.217E-04	.141E-02	.141E-02	.52	1.05
7.0	-.565E-02	.417E-02	.842E-04	.195E-04	.140E-02	-.292E-04	.147E-02	.147E-02	.58	1.12
8.0	-.609E-02	.455E-02	.724E-04	.208E-04	.147E-02	-.329E-04	.153E-02	.154E-02	.64	1.20

Table 9. Total yields for Z_{ini}= 0.004, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.122E-01	.122E-01	-.861E-04	.649E-05	.105E-03	-.722E-06	.247E-04	.108E-04	.33	.58
1.0	-.161E-01	.152E-01	.678E-03	.739E-05	.124E-03	.636E-04	.873E-03	.854E-03	.43	.58
1.3	-.203E-01	.184E-01	.171E-02	.888E-05	.160E-03	.144E-03	.202E-02	.199E-02	.66	.59
1.3	-.203E-01	.183E-01	.171E-02	.888E-05	.160E-03	.143E-03	.202E-02	.199E-02	.66	.59
1.5	-.215E-01	.189E-01	.219E-02	.961E-05	.198E-03	.207E-03	.260E-02	.257E-02	.93	.60
1.7	-.243E-01	.203E-01	.350E-02	.988E-05	.215E-03	.309E-03	.403E-02	.399E-02	1.12	.60
2.0	-.328E-01	.269E-01	.493E-02	.108E-04	.337E-03	.361E-03	.564E-02	.586E-02	1.38	.62
2.5	-.378E-01	.309E-01	.590E-02	.123E-04	.418E-03	.396E-03	.673E-02	.682E-02	1.86	.64
3.0	-.402E-01	.318E-01	.738E-02	.126E-04	.444E-03	.512E-03	.835E-02	.843E-02	2.34	.66
4.0	-.257E-01	.199E-01	.841E-03	.267E-03	.447E-02	.276E-03	.585E-02	.587E-02	3.09	.91
5.0	-.317E-01	.247E-01	.294E-03	.878E-04	.639E-02	.257E-03	.703E-02	.707E-02	4.02	.98
7.0	-.371E-01	.282E-01	.386E-03	.123E-03	.858E-02	-.254E-03	.884E-02	.888E-02	5.88	1.12
8.0	-.422E-01	.326E-01	.328E-03	.133E-03	.939E-02	-.321E-03	.953E-02	.957E-02	6.81	1.20

Table 10. Pre-AGB yields for Z_{ini}= 0.008, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.591E-03	.491E-03	.196E-04	.250E-06	.683E-05	.482E-04	.751E-04	.751E-04	.01	.79
.9	-.571E-03	.471E-03	.166E-04	.293E-06	.748E-05	.438E-04	.683E-04	.683E-04	.01	.89
1.0	-.102E-02	.814E-03	.252E-04	.482E-06	.145E-04	.713E-04	.112E-03	.112E-03	.02	.98
1.3	-.664E-03	.582E-03	.160E-04	.336E-06	.133E-04	.519E-04	.817E-04	.817E-04	.02	1.23
1.3	-.777E-03	.657E-03	.186E-04	.418E-06	.151E-04	.600E-04	.943E-04	.943E-04	.02	1.23
1.5	-.477E-03	.387E-03	.103E-04	.243E-06	.110E-04	.373E-04	.589E-04	.589E-04	.02	1.48
1.7	-.540E-03	.434E-03	.112E-04	.268E-06	.138E-04	.421E-04	.676E-04	.676E-04	.02	1.68
2.0	-.387E-03	.330E-03	.804E-05	.160E-06	.106E-04	.292E-04	.482E-04	.482E-04	.02	1.98
2.5	-.495E-03	.420E-03	.827E-05	.199E-06	.136E-04	.310E-04	.532E-04	.532E-04	.02	2.48
3.0	-.511E-03	.448E-03	.922E-05	.232E-06	.155E-04	.343E-04	.594E-04	.594E-04	.03	2.97
4.0	-.457E-03	.392E-03	.978E-05	.261E-06	.154E-04	.357E-04	.613E-04	.613E-04	.04	3.96
5.0	-.444E-03	.354E-03	.100E-04	.274E-06	.155E-04	.362E-04	.620E-04	.620E-04	.05	4.95
7.0	-.699E-03	.573E-03	.156E-04	.437E-06	.246E-04	.558E-04	.966E-04	.966E-04	.12	6.88

Table 11. AGB yields for Z_{ini}= 0.008, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.110E-01	.110E-01	-.147E-03	.111E-04	.172E-03	-.139E-04	.218E-04	.225E-08	.27	.56
.9	-.101E-01	.101E-01	-.144E-03	.106E-04	.168E-03	-.134E-04	.212E-04	.175E-07	.28	.62
1.0	-.111E-01	.111E-01	-.171E-03	.122E-04	.200E-03	-.156E-04	.252E-04	.666E-08	.37	.63
1.3	-.141E-01	.132E-01	.610E-03	.142E-04	.251E-03	.408E-04	.916E-03	.879E-03	.56	.69
1.5	-.157E-01	.141E-01	.121E-02	.160E-04	.305E-03	.842E-04	.161E-02	.156E-02	.79	.71
1.7	-.185E-01	.158E-01	.220E-02	.176E-04	.358E-03	.156E-03	.273E-02	.267E-02	1.03	.67
2.0	-.257E-01	.214E-01	.346E-02	.198E-04	.525E-03	.165E-03	.417E-02	.435E-02	1.27	.72
2.5	-.338E-01	.283E-01	.451E-02	.218E-04	.670E-03	.145E-03	.535E-02	.540E-02	1.71	.77
3.0	-.353E-01	.289E-01	.537E-02	.223E-04	.706E-03	.185E-03	.628E-02	.633E-02	2.12	.85
3.5	-.265E-01	.222E-01	.351E-02	.219E-04	.666E-03	.627E-04	.426E-02	.429E-02	2.31	1.16
4.0	-.253E-01	.211E-01	.461E-03	.236E-03	.346E-02	-.921E-05	.414E-02	.414E-02	2.64	1.32
4.5	-.264E-01	.217E-01	-.216E-04	.895E-04	.458E-02	.615E-04	.471E-02	.471E-02	3.07	1.38
5.0	-.271E-01	.218E-01	-.521E-04	.798E-04	.519E-02	.211E-05	.522E-02	.522E-02	3.51	1.44
6.0	-.301E-01	.241E-01	-.781E-05	.976E-04	.639E-02	-.428E-03	.606E-02	.605E-02	4.34	1.58
7.0	-.328E-01	.260E-01	-.173E-04	.109E-03	.730E-02	-.599E-03	.680E-02	.680E-02	5.17	1.71
8.0	-.430E-01	.346E-01	-.101E-03	.134E-03	.934E-02	-.926E-03	.845E-02	.845E-02	6.11	1.89

Table 12. Final AGB yields for Z_{ini}= 0.008, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.00	.56
.9	-.139E-02	.139E-02	-.198E-04	.146E-05	.231E-04	-.185E-05	.293E-05	.220E-08	.04	.58
1.0	-.149E-02	.149E-02	-.230E-04	.165E-05	.268E-04	-.210E-05	.338E-05	-.844E-09	.05	.58
1.3	-.428E-02	.354E-02	.655E-03	.239E-05	.421E-04	.467E-04	.746E-03	.736E-03	.10	.59
1.5	-.604E-02	.460E-02	.132E-02	.210E-05	.400E-04	.946E-04	.145E-02	.144E-02	.12	.59
1.7	-.310E-02	.232E-02	.707E-03	.109E-05	.223E-04	.509E-04	.782E-03	.774E-03	.07	.60
2.0	-.422E-02	.319E-02	.923E-03	.151E-05	.407E-04	.598E-04	.103E-02	.104E-02	.11	.61
2.5	-.483E-02	.371E-02	.102E-02	.160E-05	.500E-04	.594E-04	.113E-02	.113E-02	.14	.63
3.0	-.641E-02	.482E-02	.144E-02	.193E-05	.626E-04	.854E-04	.159E-02	.159E-02	.21	.64
3.5	-.651E-02	.505E-02	.130E-02	.315E-05	.969E-04	.652E-04	.146E-02	.146E-02	.35	.80
4.0	-.588E-02	.464E-02	.187E-03	.632E-04	.958E-03	.308E-04	.124E-02	.124E-02	.42	.90
4.5	-.581E-02	.452E-02	.529E-04	.209E-04	.117E-02	.473E-04	.129E-02	.129E-02	.44	.93
5.0	-.565E-02	.434E-02	.431E-04	.171E-04	.123E-02	.277E-04	.131E-02	.131E-02	.47	.97
6.0	-.587E-02	.447E-02	.521E-04	.199E-04	.140E-02	-.668E-04	.140E-02	.140E-02	.54	1.04
7.0	-.601E-02	.456E-02	.475E-04	.209E-04	.148E-02	-.886E-04	.146E-02	.146E-02	.60	1.11
8.0	-.708E-02	.542E-02	.336E-04	.240E-04	.172E-02	-.121E-03	.166E-02	.166E-02	.69	1.20

Table 13. Total yields for Z_{ini}= 0.008, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.121E-01	.120E-01	-.147E-03	.124E-04	.198E-03	.285E-04	.925E-04	.683E-04	.33	.58
1.0	-.136E-01	.134E-01	-.169E-03	.144E-04	.241E-03	.536E-04	.140E-03	.112E-03	.44	.58
1.3	-.191E-01	.174E-01	.128E-02	.170E-04	.306E-03	.139E-03	.174E-02	.170E-02	.68	.59
1.3	-.192E-01	.174E-01	.128E-02	.171E-04	.308E-03	.148E-03	.176E-02	.171E-02	.68	.59
1.5	-.222E-01	.191E-01	.253E-02	.183E-04	.356E-03	.216E-03	.312E-02	.306E-02	.92	.59
1.7	-.221E-01	.186E-01	.291E-02	.190E-04	.394E-03	.249E-03	.358E-02	.351E-02	1.12	.60
2.0	-.303E-01	.249E-01	.439E-02	.215E-04	.576E-03	.254E-03	.524E-02	.543E-02	1.39	.61
2.5	-.391E-01	.325E-01	.553E-02	.236E-04	.733E-03	.235E-03	.653E-02	.658E-02	1.87	.63
3.0	-.422E-01	.342E-01	.681E-02	.245E-04	.784E-03	.305E-03	.793E-02	.798E-02	2.36	.64
4.0	-.316E-01	.262E-01	.658E-03	.300E-03	.443E-02	.572E-04	.544E-02	.544E-02	3.10	.90
5.0	-.331E-01	.265E-01	.104E-05	.971E-04	.643E-02	.660E-04	.659E-02	.659E-02	4.03	.97
7.0	-.395E-01	.311E-01	.458E-04	.130E-03	.881E-02	-.632E-03	.835E-02	.835E-02	5.89	1.11
8.0	-.508E-01	.406E-01	-.520E-04	.158E-03	.111E-01	-.992E-03	.102E-01	.102E-01	6.81	1.20

Table 14. Pre-AGB yields for Z_{ini}= 0.020, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.00	.80
.9	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.00	.90
1.0	-.100E-01	.781E-02	.371E-03	.124E-04	.197E-03	.103E-02	.161E-02	.161E-02	.10	.90
1.3	-.181E-01	.144E-01	.614E-03	.239E-04	.465E-03	.192E-02	.303E-02	.303E-02	.24	1.01
1.3	-.440E-02	.349E-02	.153E-03	.595E-05	.111E-03	.473E-03	.744E-03	.744E-03	.06	1.19
1.5	-.334E-02	.264E-02	.110E-03	.453E-05	.994E-04	.371E-03	.586E-03	.586E-03	.06	1.44
1.7	-.143E-02	.112E-02	.447E-04	.189E-05	.453E-04	.155E-03	.248E-03	.248E-03	.03	1.67
2.0	-.143E-02	.111E-02	.428E-04	.174E-05	.466E-04	.147E-03	.239E-03	.239E-03	.03	1.97
2.5	-.119E-02	.962E-03	.342E-04	.145E-05	.415E-04	.118E-03	.196E-03	.196E-03	.03	2.47
3.0	-.234E-02	.190E-02	.645E-04	.282E-05	.840E-04	.222E-03	.375E-03	.375E-03	.07	2.93
4.0	-.127E-02	.101E-02	.354E-04	.157E-05	.459E-04	.120E-03	.203E-03	.203E-03	.05	3.95
5.0	-.145E-02	.116E-02	.419E-04	.188E-05	.539E-04	.141E-03	.239E-03	.239E-03	.08	4.92
7.0	-.274E-02	.221E-02	.799E-04	.366E-05	.104E-03	.265E-03	.453E-03	.453E-03	.20	6.80

Table 15. AGB yields for Z_{ini}= 0.020, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.986E-02	.986E-02	-.389E-03	.296E-04	.454E-03	-.368E-04	.579E-04	.563E-09	.29	.54
.9	-.853E-02	.853E-02	-.357E-03	.266E-04	.417E-03	-.333E-04	.530E-04	-.139E-07	.28	.62
1.0	-.918E-02	.918E-02	-.418E-03	.301E-04	.488E-03	-.382E-04	.617E-04	-.244E-07	.36	.64
1.3	-.937E-02	.937E-02	-.537E-03	.357E-04	.627E-03	-.468E-04	.787E-04	.557E-07	.55	.70
1.5	-.986E-02	.948E-02	-.268E-03	.398E-04	.755E-03	-.375E-04	.489E-03	.389E-03	.77	.73
1.7	-.112E-01	.101E-01	.351E-03	.429E-04	.864E-03	-.123E-04	.125E-02	.112E-02	.97	.73
2.0	-.176E-01	.151E-01	.132E-02	.510E-04	.108E-02	-.914E-04	.235E-02	.252E-02	1.20	.77
2.5	-.258E-01	.219E-01	.264E-02	.567E-04	.135E-02	-.185E-03	.386E-02	.389E-02	1.67	.80
3.0	-.321E-01	.268E-01	.391E-02	.588E-04	.151E-02	-.235E-03	.525E-02	.527E-02	2.11	.82
3.5	-.304E-01	.256E-01	.351E-02	.591E-04	.153E-02	-.283E-03	.481E-02	.480E-02	2.42	1.02
4.0	-.291E-01	.247E-01	.318E-02	.599E-04	.156E-02	-.329E-03	.446E-02	.443E-02	2.74	1.21
4.5	-.288E-01	.245E-01	-.562E-03	.159E-03	.511E-02	-.366E-03	.434E-02	.428E-02	3.07	1.37
5.0	-.296E-01	.250E-01	-.726E-03	.115E-03	.576E-02	-.394E-03	.476E-02	.466E-02	3.48	1.44
6.0	-.320E-01	.268E-01	-.744E-03	.127E-03	.695E-02	-.944E-03	.539E-02	.529E-02	4.27	1.59
7.0	-.341E-01	.283E-01	-.805E-03	.139E-03	.791E-02	-.132E-02	.593E-02	.582E-02	5.06	1.74
8.0	-.363E-01	.301E-01	-.957E-03	.144E-03	.881E-02	-.171E-02	.629E-02	.621E-02	5.81	1.89

Table 16. Final AGB yields for Z_{ini}= 0.020, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.00	.54
.9	-.139E-02	.139E-02	-.582E-04	.433E-05	.679E-04	-.542E-05	.863E-05	-.110E-08	.05	.57
1.0	-.165E-02	.165E-02	-.753E-04	.542E-05	.878E-04	-.687E-05	.111E-04	.396E-08	.06	.58
1.3	-.193E-02	.193E-02	-.110E-03	.735E-05	.129E-03	-.963E-05	.162E-04	-.801E-08	.11	.59
1.5	-.500E-02	.390E-02	.962E-03	.696E-05	.132E-03	.372E-04	.114E-02	.110E-02	.15	.59
1.7	-.415E-02	.315E-02	.881E-03	.557E-05	.113E-03	.346E-04	.103E-02	.100E-02	.14	.59
2.0	-.503E-02	.386E-02	.991E-03	.698E-05	.148E-03	.220E-04	.117E-02	.118E-02	.18	.60
2.5	-.619E-02	.468E-02	.135E-02	.595E-05	.143E-03	.253E-04	.152E-02	.151E-02	.20	.60
3.0	-.543E-02	.415E-02	.114E-02	.522E-05	.136E-03	.118E-04	.129E-02	.128E-02	.21	.62
3.5	-.627E-02	.488E-02	.121E-02	.728E-05	.190E-03	-.298E-05	.140E-02	.139E-02	.32	.70
4.0	-.720E-02	.560E-02	.141E-02	.836E-05	.219E-03	-.657E-05	.163E-02	.161E-02	.42	.79
4.5	-.661E-02	.529E-02	-.181E-04	.379E-04	.135E-02	-.321E-04	.134E-02	.132E-02	.48	.88
5.0	-.666E-02	.528E-02	-.569E-04	.246E-04	.148E-02	-.383E-04	.141E-02	.138E-02	.53	.92
6.0	-.667E-02	.525E-02	-.529E-04	.257E-04	.164E-02	-.170E-03	.144E-02	.142E-02	.60	.99
7.0	-.673E-02	.527E-02	-.612E-04	.267E-04	.175E-02	-.234E-03	.148E-02	.146E-02	.67	1.07
8.0	-.693E-02	.543E-02	-.906E-04	.270E-04	.188E-02	-.296E-03	.152E-02	.150E-02	.74	1.15

Table 17. Total yields for Z_{ini}= 0.020, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.992E-02	.992E-02	-.415E-03	.309E-04	.485E-03	-.387E-04	.616E-04	-.150E-07	.33	.57
1.0	-.208E-01	.186E-01	-.123E-03	.480E-04	.773E-03	.981E-03	.168E-02	.161E-02	.53	.58
1.3	-.294E-01	.257E-01	-.334E-04	.670E-04	.122E-02	.187E-02	.313E-02	.303E-02	.90	.59
1.3	-.157E-01	.148E-01	-.494E-03	.491E-04	.867E-03	.416E-03	.839E-03	.744E-03	.72	.59
1.5	-.182E-01	.160E-01	.804E-03	.513E-04	.986E-03	.371E-03	.221E-02	.208E-02	.97	.59
1.7	-.167E-01	.143E-01	.128E-02	.503E-04	.102E-02	.178E-03	.253E-02	.237E-02	1.14	.59
2.0	-.240E-01	.200E-01	.235E-02	.597E-04	.127E-02	.777E-04	.376E-02	.394E-02	1.40	.60
2.5	-.332E-01	.276E-01	.402E-02	.641E-04	.154E-02	-.419E-04	.558E-02	.560E-02	1.90	.60
3.0	-.399E-01	.329E-01	.511E-02	.668E-04	.173E-02	-.147E-05	.692E-02	.692E-02	2.38	.62
4.0	-.376E-01	.313E-01	.462E-02	.698E-04	.182E-02	-.216E-03	.629E-02	.624E-02	3.21	.79
5.0	-.377E-01	.314E-01	-.741E-03	.141E-03	.729E-02	-.291E-03	.640E-02	.628E-02	4.08	.92
7.0	-.436E-01	.358E-01	-.786E-03	.170E-03	.976E-02	-.128E-02	.786E-02	.774E-02	5.93	1.07
8.0	-.474E-01	.390E-01	-.923E-03	.176E-03	.108E-01	-.160E-02	.850E-02	.841E-02	6.85	1.15

Table 18. Pre-AGB yields for Z_{ini}= 0.040, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.170E-04	.121E-04	.119E-05	.145E-07	.300E-06	.257E-05	.408E-05	.408E-05	.00	.80
.9	-.151E-04	.108E-04	.106E-05	.129E-07	.267E-06	.229E-05	.363E-05	.363E-05	.00	.90
1.0	-.151E-01	.112E-01	.790E-03	.309E-04	.379E-03	.201E-02	.321E-02	.321E-02	.10	.90
1.3	-.138E-01	.101E-01	.661E-03	.286E-04	.432E-03	.186E-02	.298E-02	.298E-02	.11	1.14
1.3	-.693E-04	.506E-04	.400E-05	.168E-06	.170E-05	.983E-05	.157E-04	.157E-04	.00	1.25
1.5	-.110E-02	.799E-03	.517E-04	.241E-05	.389E-04	.153E-03	.247E-03	.247E-03	.01	1.49
1.7	-.247E-02	.179E-02	.112E-03	.528E-05	.918E-04	.340E-03	.551E-03	.551E-03	.03	1.67
2.0	-.238E-02	.175E-02	.104E-03	.502E-05	.924E-04	.320E-03	.524E-03	.524E-03	.03	1.97
2.5	-.255E-02	.189E-02	.111E-03	.528E-05	.102E-03	.339E-03	.560E-03	.560E-03	.04	2.46
3.0	-.546E-02	.406E-02	.226E-03	.110E-04	.223E-03	.691E-03	.116E-02	.116E-02	.10	2.89
4.0	-.266E-02	.200E-02	.112E-03	.549E-05	.110E-03	.338E-03	.568E-03	.568E-03	.07	3.93
5.0	-.293E-02	.219E-02	.124E-03	.621E-05	.121E-03	.368E-03	.621E-03	.621E-03	.09	4.91
7.0	-.698E-02	.517E-02	.296E-03	.148E-04	.290E-03	.866E-03	.147E-02	.147E-02	.31	6.69

Table 22. AGB yields for Z_{ini}= 0.001, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.379E-02	-.203E-04	.699E-04	.335E-03
3.5	.420E-02	-.210E-04	.759E-04	.365E-03
4.0	.474E-02	-.218E-04	.823E-04	.408E-03
4.5	.197E-02	.250E-04	.334E-02	.426E-03
5.0	.472E-03	.414E-04	.541E-02	.338E-03
6.0	.571E-03	.625E-04	.655E-02	.355E-04
7.0	.613E-03	.748E-04	.731E-02	.465E-04
8.0	.603E-03	.859E-04	.794E-02	.960E-04

Table 23. Final AGB yields for Z_{ini}= 0.001, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.137E-02	-.309E-05	.984E-05	.121E-03
3.5	.156E-02	-.318E-05	.105E-04	.137E-03
4.0	.140E-02	-.306E-05	.108E-04	.122E-03
4.5	.311E-03	.100E-04	.899E-03	.983E-04
5.0	.108E-03	.112E-04	.116E-02	.736E-04
6.0	.120E-03	.147E-04	.130E-02	.109E-04
7.0	.121E-03	.163E-04	.137E-02	.165E-04

Table 24. AGB yields for Z_{ini}= 0.004, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.583E-02	.117E-04	.400E-03	.380E-03
3.5	.393E-02	.119E-04	.361E-03	.243E-03
4.0	.402E-02	.127E-04	.343E-03	.264E-03
4.5	.159E-02	.576E-04	.325E-02	.274E-03
5.0	.215E-03	.724E-04	.522E-02	.194E-03
6.0	.284E-03	.916E-04	.636E-02	-.166E-03
7.0	.297E-03	.103E-03	.718E-02	-.242E-03
8.0	.248E-03	.113E-03	.791E-02	-.316E-03

Table 25. Final AGB yields for Z_{ini}= 0.004, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.154E-02	.101E-05	.358E-04	.117E-03
3.5	.142E-02	.156E-05	.483E-04	.105E-03
4.0	.152E-02	.172E-05	.473E-04	.115E-03
4.5	.277E-03	.148E-04	.907E-03	.777E-04
5.0	.775E-04	.154E-04	.118E-02	.552E-04
6.0	.872E-04	.184E-04	.132E-02	-.217E-04
7.0	.842E-04	.195E-04	.140E-02	-.292E-04
8.0	.724E-04	.208E-04	.147E-02	-.329E-04

Table 26. AGB yields for Z_{ini}= 0.008, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.537E-02	.223E-04	.706E-03	.185E-03
3.5	.351E-02	.219E-04	.666E-03	.628E-04
4.0	.343E-02	.226E-04	.664E-03	.568E-04
4.5	.179E-02	.580E-04	.279E-02	.732E-04
5.0	-.521E-04	.798E-04	.519E-02	.211E-05
6.0	-.781E-05	.976E-04	.639E-02	-.428E-03
7.0	-.173E-04	.109E-03	.730E-02	-.599E-03
8.0	-.101E-03	.134E-03	.934E-02	-.926E-03

Table 27. Final AGB yields for Z_{ini}= 0.008, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.144E-02	.193E-05	.626E-04	.854E-04
3.5	.142E-02	.313E-05	.966E-04	.741E-04
4.0	.149E-02	.334E-05	.993E-04	.784E-04
4.5	.344E-03	.158E-04	.877E-03	.490E-04
5.0	.431E-04	.171E-04	.123E-02	.277E-04
6.0	.521E-04	.199E-04	.140E-02	-.668E-04
7.0	.475E-04	.209E-04	.148E-02	-.886E-04
8.0	.336E-04	.240E-04	.172E-02	-.121E-03

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Table 19. AGB yields for Z_{ini}= 0.040, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.833E-02	.833E-02	-.890E-03	.681E-04	.104E-02	-.767E-04	.140E-03	.484E-07	.30	.53
.9	-.758E-02	.758E-02	-.863E-03	.645E-04	.101E-02	-.733E-04	.135E-03	-.294E-07	.31	.59
1.0	-.806E-02	.806E-02	-.100E-02	.728E-04	.117E-02	-.837E-04	.157E-03	-.761E-07	.40	.60
1.3	-.763E-02	.763E-02	-.122E-02	.818E-04	.143E-02	-.972E-04	.189E-03	.648E-07	.58	.67
1.5	-.656E-02	.657E-02	-.142E-02	.880E-04	.166E-02	-.108E-03	.218E-03	.262E-06	.77	.73
1.7	-.543E-02	.543E-02	-.159E-02	.926E-04	.186E-02	-.117E-03	.241E-03	.983E-07	.94	.76
2.0	-.906E-02	.827E-02	-.132E-02	.116E-03	.199E-02	-.195E-03	.595E-03	.781E-03	1.16	.80
2.5	-.152E-01	.133E-01	-.259E-03	.128E-03	.236E-02	-.362E-03	.187E-02	.191E-02	1.62	.84
3.0	-.213E-01	.183E-01	.830E-03	.130E-03	.260E-02	-.521E-03	.304E-02	.304E-02	2.01	.89
3.5	-.282E-01	.231E-01	.288E-02	.134E-03	.270E-02	-.596E-03	.512E-02	.502E-02	2.44	.97
4.0	-.284E-01	.234E-01	.282E-02	.136E-03	.278E-02	-.650E-03	.508E-02	.495E-02	2.80	1.13
4.5	-.313E-01	.258E-01	.290E-02	.140E-03	.292E-02	-.744E-03	.522E-02	.552E-02	3.21	1.21
5.0	-.342E-01	.280E-01	.305E-02	.142E-03	.304E-02	-.832E-03	.540E-02	.615E-02	3.59	1.32
6.0	-.338E-01	.280E-01	-.162E-02	.202E-03	.819E-02	-.119E-02	.558E-02	.584E-02	4.30	1.50
7.0	-.322E-01	.267E-01	-.195E-02	.222E-03	.921E-02	-.177E-02	.572E-02	.549E-02	5.02	1.67
8.0	-.322E-01	.270E-01	-.216E-02	.212E-03	.965E-02	-.230E-02	.541E-02	.522E-02	5.59	1.91

Table 20. Final AGB yields for Z_{ini}= 0.040, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.00	.53
.9	-.985E-03	.985E-03	-.112E-03	.838E-05	.131E-03	-.952E-05	.176E-04	.453E-08	.04	.55
1.0	-.106E-02	.106E-02	-.132E-03	.956E-05	.154E-03	-.110E-04	.206E-04	-.396E-08	.05	.55
1.3	-.151E-02	.151E-02	-.242E-03	.162E-04	.282E-03	-.192E-04	.373E-04	-.156E-07	.11	.56
1.5	-.137E-02	.137E-02	-.297E-03	.184E-04	.347E-03	-.226E-04	.455E-04	-.133E-07	.16	.57
1.7	-.103E-02	.103E-02	-.303E-03	.176E-04	.353E-03	-.222E-04	.460E-04	.274E-09	.18	.58
2.0	-.273E-02	.224E-02	.136E-03	.207E-04	.354E-03	-.371E-04	.474E-03	.496E-03	.21	.59
2.5	-.455E-02	.352E-02	.757E-03	.180E-04	.334E-03	-.565E-04	.105E-02	.103E-02	.24	.60
3.0	-.501E-02	.391E-02	.835E-03	.171E-04	.343E-03	-.741E-04	.112E-02	.110E-02	.28	.61
3.5	-.632E-02	.482E-02	.126E-02	.171E-04	.349E-03	-.838E-04	.154E-02	.150E-02	.34	.63
4.0	-.781E-02	.593E-02	.161E-02	.199E-04	.411E-03	-.105E-03	.193E-02	.188E-02	.45	.68
4.5	-.768E-02	.586E-02	.149E-02	.194E-04	.410E-03	-.113E-03	.181E-02	.182E-02	.49	.72
5.0	-.809E-02	.618E-02	.151E-02	.198E-04	.427E-03	-.126E-03	.183E-02	.190E-02	.54	.77
6.0	-.739E-02	.577E-02	-.187E-03	.371E-04	.198E-02	-.229E-03	.160E-02	.161E-02	.62	.88
7.0	-.682E-02	.533E-02	-.229E-03	.394E-04	.208E-02	-.351E-03	.154E-02	.149E-02	.69	.98
8.0	-.707E-02	.559E-02	-.302E-03	.394E-04	.228E-02	-.489E-03	.153E-02	.149E-02	.82	1.09

Table 21. Total yields for Z_{ini}= 0.040, η_{AGB}=4, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.858E-02	.858E-02	-.974E-03	.729E-04	.114E-02	-.805E-04	.157E-03	.360E-05	.35	.55
1.0	-.243E-01	.204E-01	-.347E-03	.113E-03	.171E-02	.191E-02	.339E-02	.321E-02	.55	.55
1.3	-.229E-01	.193E-01	-.804E-03	.127E-03	.214E-02	.174E-02	.321E-02	.298E-02	.80	.56
1.3	-.921E-02	.919E-02	-.146E-02	.982E-04	.171E-02	-.107E-03	.242E-03	.158E-04	.69	.56
1.5	-.903E-02	.874E-02	-.167E-02	.109E-03	.205E-02	.228E-04	.510E-03	.247E-03	.94	.57
1.7	-.893E-02	.825E-02	-.178E-02	.115E-03	.230E-02	.201E-03	.838E-03	.551E-03	1.15	.58
2.0	-.142E-01	.123E-01	-.108E-02	.142E-03	.244E-02	.878E-04	.159E-02	.180E-02	1.41	.59
2.5	-.223E-01	.187E-01	.609E-03	.152E-03	.280E-02	-.798E-04	.348E-02	.350E-02	1.90	.60
3.0	-.318E-01	.262E-01	.189E-02	.158E-03	.317E-02	.964E-04	.532E-02	.529E-02	2.39	.61
4.0	-.388E-01	.314E-01	.454E-02	.161E-03	.330E-02	-.417E-03	.758E-02	.739E-02	3.32	.68
5.0	-.452E-01	.364E-01	.468E-02	.168E-03	.359E-02	-.590E-03	.785E-02	.867E-02	4.23	.77
7.0	-.460E-01	.372E-01	-.188E-02	.276E-03	.116E-01	-.125E-02	.873E-02	.845E-02	6.02	.98
8.0	-.513E-01	.416E-01	-.195E-02	.277E-03	.124E-01	-.130E-02	.947E-02	.924E-02	6.91	1.09

Table 32. Total AGB yields for H, He for synthetic evolution model

	Z_{ini}=0.001		Z_{ini}=0.004		Z_{ini}=0.008		Z_{ini}=0.020		Z_{ini}=0.040	
m_{ini}	H	^{4}He	H	^{4}He	H	^{4}He	H	^{4}He	H	^{4}He
.8	-.12E-01	.12E-01	-.11E-01	.11E-01	-.11E-01	.11E-01	-.99E-02	.99E-02	-.83E-02	.83E-02
.9	-.13E-01	.13E-01	-.12E-01	.12E-01	-.12E-01	.12E-01	-.99E-02	.99E-02	-.86E-02	.86E-02
1.0	-.14E-01	.14E-01	-.16E-01	.15E-01	-.13E-01	.13E-01	-.11E-01	.11E-01	-.91E-02	.91E-02
1.3	-.24E-01	.21E-01	-.20E-01	.18E-01	-.18E-01	.17E-01	-.11E-01	.11E-01	-.91E-02	.91E-02
1.5	-.24E-01	.21E-01	-.21E-01	.18E-01	-.22E-01	.19E-01	-.15E-01	.13E-01	-.79E-02	.79E-02
1.7	-.23E-01	.20E-01	-.24E-01	.20E-01	-.22E-01	.18E-01	-.15E-01	.13E-01	-.65E-02	.65E-02
2.0	-.23E-01	.18E-01	-.23E-01	.19E-01	-.21E-01	.17E-01	-.16E-01	.13E-01	-.61E-02	.53E-02
2.5	-.22E-01	.17E-01	-.27E-01	.20E-01	-.24E-01	.18E-01	-.19E-01	.14E-01	-.12E-01	.88E-02
3.0	-.19E-01	.14E-01	-.28E-01	.20E-01	-.27E-01	.19E-01	-.22E-01	.15E-01	-.14E-01	.94E-02
3.5	-.19E-01	.13E-01	-.18E-01	.12E-01	-.18E-01	.12E-01	-.19E-01	.13E-01	-.20E-01	.14E-01
4.0	-.36E-01	.30E-01	-.32E-01	.27E-01	-.27E-01	.22E-01	-.17E-01	.12E-01	-.20E-01	.13E-01
4.5	-.53E-01	.46E-01	-.50E-01	.44E-01	-.46E-01	.41E-01	-.21E-01	.16E-01	-.19E-01	.13E-01
5.0	-.68E-01	.60E-01	-.65E-01	.58E-01	-.61E-01	.55E-01	-.38E-01	.32E-01	-.19E-01	.13E-01
6.0	-.89E-01	.80E-01	-.87E-01	.79E-01	-.84E-01	.77E-01	-.63E-01	.57E-01	-.19E-01	.14E-01
7.0	-.10E+00	.95E-01	-.10E+00	.94E-01	-.10E+00	.92E-01	-.81E-01	.75E-01	-.18E-01	.13E-01
8.0	-.10E+00	.94E-01	-.11E+00	.11E+00	-.11E+00	.10E+00	-.94E-01	.87E-01	-.28E-01	.23E-01

Table 33. AGB yields for Z_{ini}= 0.004, η_{AGB}=2, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.108E-01	.108E-01	-.753E-04	.564E-05	.879E-04	-.649E-05	.117E-04	-.145E-07	.25	.57
.9	-.113E-01	.113E-01	-.832E-04	.609E-05	.971E-04	-.707E-05	.129E-04	.428E-09	.30	.60
1.0	-.139E-01	.133E-01	.415E-03	.681E-05	.112E-03	.338E-04	.568E-03	.551E-03	.38	.62
1.3	-.208E-01	.182E-01	.222E-02	.808E-05	.145E-03	.181E-03	.255E-02	.253E-02	.61	.64
1.5	-.273E-01	.225E-01	.427E-02	.902E-05	.175E-03	.350E-03	.480E-02	.477E-02	.87	.63
1.7	-.281E-01	.225E-01	.502E-02	.901E-05	.187E-03	.411E-03	.563E-02	.559E-02	1.02	.68
2.0	-.401E-01	.315E-01	.757E-02	.969E-05	.300E-03	.571E-03	.846E-02	.865E-02	1.28	.71
2.5	-.491E-01	.382E-01	.972E-02	.110E-04	.375E-03	.705E-03	.108E-01	.109E-01	1.74	.74
3.0	-.521E-01	.394E-01	.114E-01	.112E-04	.392E-03	.831E-03	.126E-01	.127E-01	2.17	.80
3.5	-.366E-01	.278E-01	.756E-02	.306E-03	.406E-03	.566E-03	.884E-02	.888E-02	2.40	1.06
4.0	-.354E-01	.264E-01	.129E-02	.349E-03	.685E-02	.486E-03	.897E-02	.899E-02	2.78	1.19
4.5	-.399E-01	.299E-01	.634E-03	.137E-03	.862E-02	.593E-03	.999E-02	.100E-01	3.22	1.25
5.0	-.437E-01	.328E-01	.624E-03	.128E-03	.969E-02	.416E-03	.109E-01	.109E-01	3.65	1.32
6.0	-.483E-01	.359E-01	.717E-03	.163E-03	.117E-01	-.219E-03	.123E-01	.124E-01	4.49	1.46
7.0	-.511E-02	.537E-01	.712E-03	.182E-03	.128E-01	-.165E-03	.136E-01	.137E-01	4.84	1.64

Table 28. AGB yields for Z_{ini}= 0.020, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.391E-02	.588E-04	.151E-02	-.235E-03
3.5	.351E-02	.591E-04	.153E-02	-.283E-03
4.0	.318E-02	.599E-04	.156E-02	-.329E-03
4.5	.309E-02	.607E-04	.155E-02	-.334E-03
5.0	.302E-02	.681E-04	.201E-02	-.337E-03
6.0	-.744E-03	.127E-03	.695E-02	-.944E-03
7.0	-.805E-03	.139E-03	.791E-02	-.132E-02
8.0	-.957E-03	.144E-03	.881E-02	-.171E-02

Table 29. Final AGB yields for Z_{ini}= 0.020, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.114E-02	.522E-05	.136E-03	.118E-04
3.5	.121E-02	.728E-05	.190E-03	-.298E-05
4.0	.141E-02	.836E-05	.219E-03	-.657E-05
4.5	.149E-02	.895E-05	.231E-03	-.696E-05
5.0	.782E-03	.141E-04	.633E-03	-.252E-04
6.0	-.529E-04	.257E-04	.164E-02	-.170E-03
7.0	-.612E-04	.267E-04	.175E-02	-.234E-03
8.0	-.906E-04	.270E-04	.188E-02	-.296E-03

Table 34. Final AGB yields for Z_{ini}= 0.004, η_{AGB}=2, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.494E-04	.494E-04	-.344E-06	.258E-07	.402E-06	-.297E-07	.536E-07	-.967E-10	.00	.57
.9	-.670E-03	.670E-03	-.493E-05	.361E-06	.576E-05	-.419E-06	.766E-06	.218E-09	.02	.58
1.0	-.179E-02	.152E-02	.246E-03	.508E-06	.839E-05	.201E-04	.275E-03	.273E-03	.03	.59
1.3	-.265E-02	.210E-02	.496E-03	.564E-06	.101E-04	.405E-04	.547E-03	.544E-03	.05	.60
1.5	-.313E-02	.226E-02	.806E-03	.228E-06	.463E-05	.659E-04	.877E-03	.873E-03	.03	.60
1.7	-.414E-02	.302E-02	.102E-02	.489E-06	.104E-04	.836E-04	.112E-02	.111E-02	.07	.61
2.0	-.552E-02	.399E-02	.140E-02	.449E-06	.150E-04	.112E-03	.152E-02	.153E-02	.08	.63
2.5	-.453E-02	.329E-02	.114E-02	.394E-06	.144E-04	.897E-04	.125E-02	.125E-02	.08	.66
3.0	-.510E-02	.366E-02	.132E-02	.447E-06	.168E-04	.104E-03	.144E-02	.144E-02	.11	.69
3.5	-.481E-02	.350E-02	.112E-02	.567E-04	.385E-04	.902E-04	.130E-02	.130E-02	.20	.86
4.0	-.494E-02	.360E-02	.195E-03	.470E-04	.102E-02	.801E-04	.134E-02	.134E-02	.24	.95
4.5	-.521E-02	.381E-02	.104E-03	.182E-04	.119E-02	.887E-04	.141E-02	.141E-02	.26	.99
5.0	-.549E-02	.401E-02	.998E-04	.167E-04	.130E-02	.598E-04	.147E-02	.147E-02	.29	1.03
6.0	-.571E-02	.416E-02	.104E-03	.200E-04	.145E-02	-.165E-04	.156E-02	.156E-02	.33	1.12
7.0	-.464E-01	-.156E-01	-.594E-04	-.714E-06	.453E-05	-.131E-03	-.187E-03	-.228E-03	.44	1.20

Table 35. Total yields for Z_{ini}= 0.004, η_{AGB}=2, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.121E-01	.121E-01	-.853E-04	.643E-05	.104E-03	-.652E-06	.245E-04	.108E-04	.32	.58
1.0	-.158E-01	.150E-01	.665E-03	.729E-05	.122E-03	.626E-04	.857E-03	.839E-03	.42	.59
1.3	-.235E-01	.204E-01	.271E-02	.863E-05	.156E-03	.226E-03	.311E-02	.308E-02	.66	.60
1.3	-.235E-01	.204E-01	.271E-02	.864E-05	.156E-03	.226E-03	.310E-02	.307E-02	.66	.60
1.5	-.310E-01	.253E-01	.508E-02	.914E-05	.190E-03	.444E-03	.573E-02	.569E-02	.92	.60
1.7	-.327E-01	.259E-01	.605E-02	.940E-05	.206E-03	.517E-03	.678E-02	.674E-02	1.11	.61
2.0	-.459E-01	.357E-01	.897E-02	.101E-04	.320E-03	.694E-03	.100E-01	.102E-01	1.37	.63
2.5	-.539E-01	.417E-01	.109E-01	.114E-04	.395E-03	.806E-03	.121E-01	.121E-01	1.84	.66
3.0	-.575E-01	.434E-01	.127E-01	.116E-04	.417E-03	.950E-03	.141E-01	.141E-01	2.31	.69
4.0	-.405E-01	.301E-01	.149E-02	.396E-03	.787E-02	.578E-03	.103E-01	.103E-01	3.05	.95
5.0	-.492E-01	.369E-01	.726E-03	.145E-03	.110E-01	.484E-03	.123E-01	.124E-01	3.97	1.03
7.0	-.517E-01	.382E-01	.657E-03	.181E-03	.128E-01	-.279E-03	.134E-01	.135E-01	5.79	1.20

Table 36. AGB yields for Z_{ini}= 0.001, η_{AGB}=1, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.118E-01	.118E-01	-.183E-04	-.104E-04	.214E-04	-.173E-05	-.911E-05	-.147E-07	.27	.56
.9	-.123E-01	.123E-01	-.201E-04	-.113E-04	.234E-04	-.187E-05	-.982E-05	-.153E-07	.32	.58
1.0	-.168E-01	.155E-01	.118E-02	-.126E-04	.258E-04	.104E-03	.129E-02	.130E-02	.39	.61
1.3	-.339E-01	.273E-01	.603E-02	-.162E-04	.314E-04	.534E-03	.658E-02	.659E-02	.62	.63
1.5	-.419E-01	.325E-01	.865E-02	-.185E-04	.362E-04	.767E-03	.944E-02	.945E-02	.84	.66
1.7	-.426E-01	.324E-01	.936E-02	-.193E-04	.387E-04	.829E-03	.102E-01	.102E-01	.99	.71
2.0	-.530E-01	.398E-01	.120E-01	-.207E-04	.684E-04	.105E-02	.131E-01	.132E-01	1.23	.77
2.5	-.512E-01	.368E-01	.130E-01	-.212E-04	.736E-04	.114E-02	.142E-01	.143E-01	1.62	.87
3.0	-.479E-01	.337E-01	.129E-01	-.133E-04	.661E-04	.114E-02	.141E-01	.142E-01	1.99	1.00
3.5	-.536E-01	.381E-01	.104E-01	.165E-02	.217E-02	.125E-02	.154E-01	.155E-01	2.40	1.09
4.0	-.614E-01	.443E-01	.230E-02	.433E-03	.130E-01	.123E-02	.170E-01	.171E-01	2.81	1.17
4.5	-.669E-01	.483E-01	.155E-02	.190E-03	.154E-01	.131E-02	.185E-01	.186E-01	3.24	1.25
5.0	-.716E-01	.517E-01	.156E-02	.194E-03	.172E-01	.893E-03	.198E-01	.200E-01	3.66	1.33
6.0	-.599E-01	.436E-01	.118E-02	.184E-03	.146E-01	.204E-03	.162E-01	.163E-01	3.74	2.25
7.0	-.148E-01	.112E-01	.247E-03	.365E-04	.325E-02	.246E-04	.356E-02	.357E-02	1.82	5.16

Table 37. Final AGB yields for Z_{ini}= 0.001, η_{AGB}=1, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.8	-.108E-03	.108E-03	-.167E-06	-.952E-07	.195E-06	-.158E-07	-.831E-07	-.133E-09	.00	.56
.9	-.263E-03	.263E-03	-.431E-06	-.243E-06	.503E-06	-.401E-07	-.211E-06	-.322E-09	.01	.58
1.0	-.235E-02	.179E-02	.515E-03	-.657E-06	.103E-05	.456E-04	.560E-03	.561E-03	.02	.59
1.3	-.414E-02	.298E-02	.106E-02	-.746E-06	.879E-06	.941E-04	.116E-02	.116E-02	.03	.60
1.5	-.311E-02	.220E-02	.841E-03	-.465E-06	.447E-06	.745E-04	.915E-03	.915E-03	.02	.64
1.7	-.519E-02	.367E-02	.140E-02	-.904E-06	.109E-05	.124E-03	.152E-02	.152E-02	.04	.66
2.0	-.542E-02	.384E-02	.144E-02	-.960E-06	.226E-05	.128E-03	.157E-02	.158E-02	.06	.71
2.5	-.630E-02	.439E-02	.175E-02	-.116E-05	.289E-05	.155E-03	.191E-02	.191E-02	.09	.79
3.0	-.405E-02	.281E-02	.112E-02	.482E-06	.318E-05	.997E-04	.123E-02	.123E-02	.11	.89
3.5	-.438E-02	.308E-02	.804E-03	.145E-03	.240E-03	.105E-03	.129E-02	.130E-02	.13	.96
4.0	-.500E-02	.357E-02	.180E-03	.327E-04	.111E-02	.105E-03	.142E-02	.143E-02	.15	1.03
4.5	-.522E-02	.373E-02	.125E-03	.159E-04	.124E-02	.104E-03	.149E-02	.149E-02	.16	1.09
5.0	-.544E-02	.389E-02	.123E-03	.163E-04	.134E-02	.651E-04	.155E-02	.156E-02	.18	1.15

Table 38. Total yields for Z_{ini}= 0.001, η_{AGB}=1, and m_{HBB}=0.8

m_{ini}	H	^{4}He	^{12}C	^{13}C	^{14}N	^{16}O	Y_{CNO}	Y_{TOT}	Δm_{ej}	m_{end}
.9	-.132E-01	.132E-01	-.213E-04	-.128E-04	.248E-04	-.185E-05	-.111E-04	-.108E-05	.36	.58
1.0	-.199E-01	.179E-01	.169E-02	-.143E-04	.281E-04	.150E-03	.185E-02	.186E-02	.44	.59
1.3	-.382E-01	.305E-01	.709E-02	-.172E-04	.328E-04	.628E-03	.774E-02	.775E-02	.66	.60
1.3	-.385E-01	.307E-01	.709E-02	-.176E-04	.334E-04	.628E-03	.774E-02	.774E-02	.67	.60
1.5	-.452E-01	.348E-01	.949E-02	-.193E-04	.373E-04	.841E-03	.104E-01	.104E-01	.88	.64
1.7	-.478E-01	.361E-01	.108E-01	-.203E-04	.400E-04	.953E-03	.117E-01	.117E-01	1.04	.66
2.0	-.585E-01	.437E-01	.134E-01	-.217E-04	.710E-04	.118E-02	.146E-01	.148E-01	1.29	.71
2.5	-.575E-01	.413E-01	.148E-01	-.225E-04	.769E-04	.130E-02	.161E-01	.163E-01	1.71	.79
3.0	-.520E-01	.365E-01	.140E-01	-.129E-04	.697E-04	.124E-02	.153E-01	.155E-01	2.11	.89
4.0	-.664E-01	.479E-01	.248E-02	.466E-03	.141E-01	.133E-02	.184E-01	.185E-01	2.97	1.03
5.0	-.771E-01	.556E-01	.169E-02	.210E-03	.185E-01	.958E-03	.214E-01	.215E-01	3.85	1.15
7.0	-.148E-01	.112E-01	.247E-03	.364E-04	.325E-02	.246E-04	.356E-02	.357E-02	1.84	5.16

Table 30. AGB yields for Z_{ini}= 0.040, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.830E-03	.130E-03	.260E-02	-.521E-03
3.5	.288E-02	.134E-03	.270E-02	-.596E-03
4.0	.282E-02	.136E-03	.278E-02	-.650E-03
4.5	.290E-02	.140E-03	.292E-02	-.744E-03
5.0	.305E-02	.142E-03	.304E-02	-.832E-03
6.0	.327E-02	.147E-03	.298E-02	-.816E-03
7.0	-.582E-03	.204E-03	.759E-02	-.150E-02
8.0	-.216E-02	.212E-03	.965E-02	-.230E-02

Table 31. Final AGB yields for Z_{ini}= 0.040, η_{AGB}=4, and m_{HBB}=0.9

M_{ini}	^{12}C	^{13}C	^{14}N	^{16}O
3.0	.835E-03	.171E-04	.343E-03	-.741E-04
3.5	.126E-02	.171E-04	.349E-03	-.838E-04
4.0	.161E-02	.199E-04	.411E-03	-.105E-03
4.5	.149E-02	.194E-04	.410E-03	-.113E-03
5.0	.151E-02	.198E-04	.427E-03	-.126E-03
6.0	.154E-02	.195E-04	.401E-03	-.119E-03
7.0	-.387E-04	.369E-04	.186E-02	-.314E-03
8.0	-.302E-03	.394E-04	.228E-02	-.489E-03