

N UPPER = 2 N LOWER = 3 WAVELENGTH = 6564.70
 KALPHA = 2.564E-03

ELECTRON DENSITY IN CM**(-3) = 3.162E+14 DLAMBDA/DALPHA = 5.808E+00

TEMPERATURE IN K = 1.000E+04
 RO/DEBYE (ELECTRONS) = 2.344E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	8.446E+00	(1.900E+01)	8.371E+00	(1.870E+01)	8.349E+00	(1.867E+01)
1.000E-03	8.443E+00	(1.891E+01)	8.369E+00	(1.858E+01)	8.347E+00	(1.859E+01)
1.585E-03	8.440E+00	(1.880E+01)	8.365E+00	(1.847E+01)	8.343E+00	(1.848E+01)
2.512E-03	8.430E+00	(1.858E+01)	8.356E+00	(1.826E+01)	8.334E+00	(1.822E+01)
3.981E-03	8.408E+00	(1.800E+01)	8.334E+00	(1.765E+01)	8.312E+00	(1.763E+01)
6.310E-03	8.351E+00	(1.672E+01)	8.278E+00	(1.640E+01)	8.257E+00	(1.633E+01)
1.000E-02	8.209E+00	(1.424E+01)	8.140E+00	(1.398E+01)	8.119E+00	(1.389E+01)
1.585E-02	7.866E+00	(1.044E+01)	7.804E+00	(1.031E+01)	7.785E+00	(1.024E+01)
2.512E-02	7.073E+00	(6.300E+00)	7.027E+00	(6.325E+00)	7.013E+00	(6.312E+00)
3.981E-02	5.454E+00	(3.150E+00)	5.438E+00	(3.235E+00)	5.433E+00	(3.259E+00)
6.310E-02	2.981E+00	(1.351E+00)	3.000E+00	(1.408E+00)	3.006E+00	(1.428E+00)
1.000E-01	9.167E-01	(5.090E-01)	9.403E-01	(5.278E-01)	9.484E-01	(5.347E-01)
1.585E-01	2.187E-01	(1.740E-01)	2.244E-01	(1.776E-01)	2.265E-01	(1.788E-01)
2.512E-01	6.181E-02	(5.679E-02)	5.712E-02	(5.712E-02)	5.723E-02	(5.723E-02)
3.981E-01	1.895E-02	(1.835E-02)	1.834E-02	(1.834E-02)	1.833E-02	(1.833E-02)
6.310E-01	5.894E-03	(5.817E-03)	5.817E-03	(5.817E-03)	5.817E-03	(5.817E-03)
1.000E+00	1.923E-03	(1.915E-03)	1.915E-03	(1.915E-03)	1.915E-03	(1.915E-03)
1.585E+00	6.365E-04	(6.353E-04)	6.353E-04	(6.353E-04)	6.353E-04	(6.353E-04)
2.512E+00	2.112E-04	(2.112E-04)	2.112E-04	(2.112E-04)	2.112E-04	(2.112E-04)
3.981E+00	7.009E-05	(7.009E-05)	7.009E-05	(7.009E-05)	7.009E-05	(7.009E-05)
6.310E+00	2.319E-05	(2.319E-05)	2.319E-05	(2.319E-05)	2.319E-05	(2.319E-05)
1.000E+01	7.635E-06	(7.635E-06)	7.635E-06	(7.635E-06)	7.635E-06	(7.635E-06)
1.585E+01	2.500E-06	(2.500E-06)	2.500E-06	(2.500E-06)	2.500E-06	(2.500E-06)
2.512E+01	8.136E-07	(8.136E-07)	8.136E-07	(8.136E-07)	8.136E-07	(8.136E-07)
3.981E+01	2.609E-07	(2.609E-07)	2.609E-07	(2.609E-07)	2.609E-07	(2.609E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+14 DLAMBDA/DALPHA = 5.808E+00

TEMPERATURE IN K = 1.995E+04

R0/DEBYE (ELECTRONS) = 1.660E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	6.639E+00	(1.948E+01)	6.580E+00	(1.876E+01)	6.560E+00	(1.858E+01)
6.310E-04	6.639E+00	(1.942E+01)	6.580E+00	(1.866E+01)	6.559E+00	(1.854E+01)
1.000E-03	6.638E+00	(1.938E+01)	6.579E+00	(1.863E+01)	6.559E+00	(1.845E+01)
1.585E-03	6.636E+00	(1.926E+01)	6.578E+00	(1.853E+01)	6.557E+00	(1.835E+01)
2.512E-03	6.632E+00	(1.902E+01)	6.574E+00	(1.831E+01)	6.553E+00	(1.813E+01)
3.981E-03	6.622E+00	(1.841E+01)	6.564E+00	(1.773E+01)	6.543E+00	(1.756E+01)
6.310E-03	6.596E+00	(1.706E+01)	6.539E+00	(1.648E+01)	6.518E+00	(1.631E+01)
1.000E-02	6.533E+00	(1.447E+01)	6.476E+00	(1.409E+01)	6.457E+00	(1.395E+01)
1.585E-02	6.375E+00	(1.052E+01)	6.323E+00	(1.042E+01)	6.304E+00	(1.035E+01)
2.512E-02	5.997E+00	(6.267E+00)	5.953E+00	(6.373E+00)	5.938E+00	(6.389E+00)
3.981E-02	5.152E+00	(3.085E+00)	5.126E+00	(3.228E+00)	5.116E+00	(3.273E+00)
6.310E-02	3.551E+00	(1.303E+00)	3.554E+00	(1.382E+00)	3.554E+00	(1.411E+00)
1.000E-01	1.500E+00	(4.862E-01)	1.523E+00	(5.112E-01)	1.531E+00	(5.205E-01)
1.585E-01	3.084E-01	(1.660E-01)	3.181E-01	(1.710E-01)	3.222E-01	(1.730E-01)
2.512E-01	6.551E-02	(5.431E-02)	5.497E-02	(5.497E-02)	5.518E-02	(5.518E-02)
3.981E-01	1.875E-02	(1.754E-02)	1.757E-02	(1.757E-02)	1.757E-02	(1.757E-02)
6.310E-01	5.661E-03	(5.509E-03)	5.509E-03	(5.509E-03)	5.509E-03	(5.509E-03)
1.000E+00	1.816E-03	(1.799E-03)	1.799E-03	(1.799E-03)	1.799E-03	(1.799E-03)
1.585E+00	5.959E-04	(5.936E-04)	5.936E-04	(5.936E-04)	5.936E-04	(5.936E-04)
2.512E+00	1.967E-04	(1.967E-04)	1.967E-04	(1.967E-04)	1.967E-04	(1.967E-04)
3.981E+00	6.530E-05	(6.530E-05)	6.530E-05	(6.530E-05)	6.530E-05	(6.530E-05)
6.310E+00	2.167E-05	(2.167E-05)	2.167E-05	(2.167E-05)	2.167E-05	(2.167E-05)
1.000E+01	7.179E-06	(7.179E-06)	7.179E-06	(7.179E-06)	7.179E-06	(7.179E-06)
1.585E+01	2.372E-06	(2.372E-06)	2.372E-06	(2.372E-06)	2.372E-06	(2.372E-06)
2.512E+01	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)
3.981E+01	2.555E-07	(2.555E-07)	2.555E-07	(2.555E-07)	2.555E-07	(2.555E-07)

ELECTRON DENSITY IN CM**(-3) = 1.000E+15 DLAMBDA/DALPHA = 1.251E+01

TEMPERATURE IN K = 1.000E+04

RO/DEBYE (ELECTRONS) = 2.840E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.272E+01	(1.859E+01)	1.266E+01	(1.874E+01)	1.265E+01	(1.887E+01)
3.981E-04	1.272E+01	(1.855E+01)	1.266E+01	(1.865E+01)	1.265E+01	(1.883E+01)
6.310E-04	1.271E+01	(1.850E+01)	1.265E+01	(1.865E+01)	1.265E+01	(1.878E+01)
1.000E-03	1.271E+01	(1.845E+01)	1.265E+01	(1.861E+01)	1.264E+01	(1.874E+01)
1.585E-03	1.269E+01	(1.836E+01)	1.263E+01	(1.851E+01)	1.262E+01	(1.863E+01)
2.512E-03	1.265E+01	(1.811E+01)	1.259E+01	(1.823E+01)	1.258E+01	(1.835E+01)
3.981E-03	1.255E+01	(1.756E+01)	1.249E+01	(1.760E+01)	1.248E+01	(1.768E+01)
6.310E-03	1.230E+01	(1.631E+01)	1.224E+01	(1.626E+01)	1.223E+01	(1.627E+01)
1.000E-02	1.170E+01	(1.391E+01)	1.163E+01	(1.375E+01)	1.162E+01	(1.369E+01)
1.585E-02	1.034E+01	(1.027E+01)	1.029E+01	(1.009E+01)	1.027E+01	(1.001E+01)
2.512E-02	7.770E+00	(6.297E+00)	7.726E+00	(6.234E+00)	7.705E+00	(6.192E+00)
3.981E-02	4.302E+00	(3.229E+00)	4.301E+00	(3.259E+00)	4.293E+00	(3.264E+00)
6.310E-02	1.709E+00	(1.417E+00)	1.739E+00	(1.455E+00)	1.749E+00	(1.468E+00)
1.000E-01	5.915E-01	(5.399E-01)	6.062E-01	(5.532E-01)	6.116E-01	(5.580E-01)
1.585E-01	1.924E-01	(1.845E-01)	1.949E-01	(1.867E-01)	1.958E-01	(1.875E-01)
2.512E-01	6.120E-02	(6.016E-02)	6.032E-02	(6.032E-02)	6.037E-02	(6.037E-02)
3.981E-01	1.967E-02	(1.954E-02)	1.952E-02	(1.952E-02)	1.951E-02	(1.951E-02)
6.310E-01	6.279E-03	(6.262E-03)	6.262E-03	(6.262E-03)	6.262E-03	(6.262E-03)
1.000E+00	2.075E-03	(2.073E-03)	2.073E-03	(2.073E-03)	2.073E-03	(2.073E-03)
1.585E+00	6.893E-04	(6.890E-04)	6.890E-04	(6.890E-04)	6.890E-04	(6.890E-04)
2.512E+00	2.286E-04	(2.286E-04)	2.286E-04	(2.286E-04)	2.286E-04	(2.286E-04)
3.981E+00	7.548E-05	(7.548E-05)	7.548E-05	(7.548E-05)	7.548E-05	(7.548E-05)
6.310E+00	2.477E-05	(2.477E-05)	2.477E-05	(2.477E-05)	2.477E-05	(2.477E-05)
1.000E+01	8.075E-06	(8.075E-06)	8.075E-06	(8.075E-06)	8.075E-06	(8.075E-06)
1.585E+01	2.603E-06	(2.603E-06)	2.603E-06	(2.603E-06)	2.603E-06	(2.603E-06)
2.512E+01	8.301E-07	(8.301E-07)	8.301E-07	(8.301E-07)	8.301E-07	(8.301E-07)
3.981E+01	2.660E-07	(2.660E-07)	2.660E-07	(2.660E-07)	2.660E-07	(2.660E-07)

ELECTRON DENSITY IN CM**(-3) = 1.000E+15 DLAMBDA/DALPHA = 1.251E+01

TEMPERATURE IN K = 1.995E+04

RO/DEBYE (ELECTRONS) = 2.011E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.077E+01	(1.839E+01)	1.066E+01	(1.827E+01)	1.062E+01	(1.832E+01)
1.000E-03	1.077E+01	(1.835E+01)	1.065E+01	(1.819E+01)	1.062E+01	(1.827E+01)
1.585E-03	1.076E+01	(1.825E+01)	1.064E+01	(1.809E+01)	1.061E+01	(1.813E+01)
2.512E-03	1.074E+01	(1.800E+01)	1.062E+01	(1.784E+01)	1.059E+01	(1.786E+01)
3.981E-03	1.068E+01	(1.747E+01)	1.057E+01	(1.728E+01)	1.054E+01	(1.728E+01)
6.310E-03	1.055E+01	(1.627E+01)	1.044E+01	(1.605E+01)	1.041E+01	(1.601E+01)
1.000E-02	1.022E+01	(1.395E+01)	1.012E+01	(1.371E+01)	1.009E+01	(1.362E+01)
1.585E-02	9.446E+00	(1.036E+01)	9.360E+00	(1.019E+01)	9.333E+00	(1.011E+01)
2.512E-02	7.803E+00	(6.373E+00)	7.750E+00	(6.357E+00)	7.732E+00	(6.328E+00)
3.981E-02	5.022E+00	(3.251E+00)	5.024E+00	(3.321E+00)	5.021E+00	(3.339E+00)
6.310E-02	2.113E+00	(1.407E+00)	2.153E+00	(1.463E+00)	2.165E+00	(1.482E+00)
1.000E-01	6.479E-01	(5.276E-01)	6.703E-01	(5.459E-01)	6.784E-01	(5.526E-01)
1.585E-01	1.947E-01	(1.783E-01)	1.991E-01	(1.818E-01)	2.005E-01	(1.829E-01)
2.512E-01	5.982E-02	(5.777E-02)	5.807E-02	(5.807E-02)	5.814E-02	(5.814E-02)
3.981E-01	1.885E-02	(1.860E-02)	1.858E-02	(1.858E-02)	1.857E-02	(1.857E-02)
6.310E-01	5.927E-03	(5.894E-03)	5.894E-03	(5.894E-03)	5.894E-03	(5.894E-03)
1.000E+00	1.943E-03	(1.939E-03)	1.939E-03	(1.939E-03)	1.939E-03	(1.939E-03)
1.585E+00	6.432E-04	(6.426E-04)	6.426E-04	(6.426E-04)	6.426E-04	(6.426E-04)
2.512E+00	2.134E-04	(2.134E-04)	2.134E-04	(2.134E-04)	2.134E-04	(2.134E-04)
3.981E+00	7.078E-05	(7.078E-05)	7.078E-05	(7.078E-05)	7.078E-05	(7.078E-05)
6.310E+00	2.341E-05	(2.341E-05)	2.341E-05	(2.341E-05)	2.341E-05	(2.341E-05)
1.000E+01	7.713E-06	(7.713E-06)	7.713E-06	(7.713E-06)	7.713E-06	(7.713E-06)
1.585E+01	2.529E-06	(2.529E-06)	2.529E-06	(2.529E-06)	2.529E-06	(2.529E-06)
2.512E+01	8.256E-07	(8.256E-07)	8.256E-07	(8.256E-07)	8.256E-07	(8.256E-07)
3.981E+01	2.660E-07	(2.660E-07)	2.660E-07	(2.660E-07)	2.660E-07	(2.660E-07)

ELECTRON DENSITY IN CM**(-3) = 1.000E+15 DLAMBDA/DALPHA = 1.251E+01

TEMPERATURE IN K = 3.981E+04
R0/DEBYE (ELECTRONS) = 1.424E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	8.878E+00	(1.884E+01)	8.760E+00	(1.831E+01)	8.720E+00	(1.821E+01)
1.000E-03	8.876E+00	(1.879E+01)	8.757E+00	(1.824E+01)	8.717E+00	(1.813E+01)
1.585E-03	8.871E+00	(1.868E+01)	8.753E+00	(1.813E+01)	8.713E+00	(1.803E+01)
2.512E-03	8.860E+00	(1.842E+01)	8.742E+00	(1.788E+01)	8.703E+00	(1.777E+01)
3.981E-03	8.833E+00	(1.785E+01)	8.716E+00	(1.733E+01)	8.677E+00	(1.721E+01)
6.310E-03	8.766E+00	(1.662E+01)	8.651E+00	(1.612E+01)	8.613E+00	(1.599E+01)
1.000E-02	8.599E+00	(1.419E+01)	8.490E+00	(1.383E+01)	8.453E+00	(1.370E+01)
1.585E-02	8.196E+00	(1.047E+01)	8.099E+00	(1.032E+01)	8.067E+00	(1.024E+01)
2.512E-02	7.276E+00	(6.360E+00)	7.207E+00	(6.421E+00)	7.184E+00	(6.418E+00)
3.981E-02	5.447E+00	(3.189E+00)	5.430E+00	(3.316E+00)	5.422E+00	(3.355E+00)
6.310E-02	2.812E+00	(1.356E+00)	2.848E+00	(1.433E+00)	2.859E+00	(1.461E+00)
1.000E-01	8.286E-01	(5.024E-01)	8.617E-01	(5.269E-01)	8.735E-01	(5.360E-01)
1.585E-01	2.058E-01	(1.697E-01)	2.132E-01	(1.747E-01)	2.158E-01	(1.764E-01)
2.512E-01	5.925E-02	(5.513E-02)	5.574E-02	(5.574E-02)	5.591E-02	(5.591E-02)
3.981E-01	1.824E-02	(1.774E-02)	1.776E-02	(1.776E-02)	1.775E-02	(1.775E-02)
6.310E-01	5.633E-03	(5.569E-03)	5.569E-03	(5.569E-03)	5.569E-03	(5.569E-03)
1.000E+00	1.826E-03	(1.819E-03)	1.819E-03	(1.819E-03)	1.819E-03	(1.819E-03)
1.585E+00	6.008E-04	(5.998E-04)	5.998E-04	(5.998E-04)	5.998E-04	(5.998E-04)
2.512E+00	1.987E-04	(1.987E-04)	1.987E-04	(1.987E-04)	1.987E-04	(1.987E-04)
3.981E+00	6.596E-05	(6.596E-05)	6.596E-05	(6.596E-05)	6.596E-05	(6.596E-05)
6.310E+00	2.190E-05	(2.190E-05)	2.190E-05	(2.190E-05)	2.190E-05	(2.190E-05)
1.000E+01	7.261E-06	(7.261E-06)	7.261E-06	(7.261E-06)	7.261E-06	(7.261E-06)
1.585E+01	2.403E-06	(2.403E-06)	2.403E-06	(2.403E-06)	2.403E-06	(2.403E-06)
2.512E+01	7.929E-07	(7.929E-07)	7.929E-07	(7.929E-07)	7.929E-07	(7.929E-07)
3.981E+01	2.610E-07	(2.610E-07)	2.610E-07	(2.610E-07)	2.610E-07	(2.610E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+15 DLAMBDA/DALPHA = 2.696E+01

TEMPERATURE IN K = 1.000E+04

RO/DEBYE (ELECTRONS) = 3.441E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.614E+01	(1.863E+01)	1.630E+01	(1.906E+01)	1.640E+01	(1.929E+01)
6.310E-04	1.612E+01	(1.853E+01)	1.628E+01	(1.897E+01)	1.638E+01	(1.923E+01)
1.000E-03	1.611E+01	(1.849E+01)	1.626E+01	(1.892E+01)	1.636E+01	(1.918E+01)
1.585E-03	1.606E+01	(1.839E+01)	1.621E+01	(1.878E+01)	1.631E+01	(1.903E+01)
2.512E-03	1.594E+01	(1.815E+01)	1.609E+01	(1.850E+01)	1.618E+01	(1.870E+01)
3.981E-03	1.565E+01	(1.753E+01)	1.578E+01	(1.780E+01)	1.586E+01	(1.795E+01)
6.310E-03	1.497E+01	(1.621E+01)	1.505E+01	(1.631E+01)	1.511E+01	(1.637E+01)
1.000E-02	1.344E+01	(1.372E+01)	1.345E+01	(1.361E+01)	1.346E+01	(1.357E+01)
1.585E-02	1.059E+01	(1.007E+01)	1.049E+01	(9.870E+00)	1.045E+01	(9.778E+00)
2.512E-02	6.729E+00	(6.203E+00)	6.624E+00	(6.092E+00)	6.573E+00	(6.037E+00)
3.981E-02	3.443E+00	(3.240E+00)	3.429E+00	(3.236E+00)	3.419E+00	(3.231E+00)
6.310E-02	1.505E+00	(1.455E+00)	1.527E+00	(1.478E+00)	1.534E+00	(1.486E+00)
1.000E-01	5.732E-01	(5.630E-01)	5.825E-01	(5.721E-01)	5.859E-01	(5.754E-01)
1.585E-01	1.957E-01	(1.941E-01)	1.972E-01	(1.954E-01)	1.976E-01	(1.959E-01)
2.512E-01	6.411E-02	(6.388E-02)	6.394E-02	(6.394E-02)	6.396E-02	(6.396E-02)
3.981E-01	2.098E-02	(2.095E-02)	2.095E-02	(2.095E-02)	2.095E-02	(2.095E-02)
6.310E-01	6.757E-03	(6.753E-03)	6.753E-03	(6.753E-03)	6.753E-03	(6.753E-03)
1.000E+00	2.246E-03	(2.246E-03)	2.246E-03	(2.246E-03)	2.246E-03	(2.246E-03)
1.585E+00	7.444E-04	(7.443E-04)	7.443E-04	(7.443E-04)	7.443E-04	(7.443E-04)
2.512E+00	2.452E-04	(2.452E-04)	2.452E-04	(2.452E-04)	2.452E-04	(2.452E-04)
3.981E+00	8.018E-05	(8.018E-05)	8.018E-05	(8.018E-05)	8.018E-05	(8.018E-05)
6.310E+00	2.603E-05	(2.603E-05)	2.603E-05	(2.603E-05)	2.603E-05	(2.603E-05)
1.000E+01	8.276E-06	(8.276E-06)	8.276E-06	(8.276E-06)	8.276E-06	(8.276E-06)
1.585E+01	2.647E-06	(2.647E-06)	2.647E-06	(2.647E-06)	2.647E-06	(2.647E-06)
2.512E+01	8.517E-07	(8.517E-07)	8.517E-07	(8.517E-07)	8.517E-07	(8.517E-07)
3.981E+01	2.766E-07	(2.766E-07)	2.766E-07	(2.766E-07)	2.766E-07	(2.766E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+15 LAMBDA/DALPHA = 2.696E+01

TEMPERATURE IN K = 1.995E+04

R0/DEBYE (ELECTRONS) = 2.436E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.454E+01	(1.810E+01)	1.455E+01	(1.838E+01)	1.458E+01	(1.858E+01)
6.310E-04	1.453E+01	(1.809E+01)	1.454E+01	(1.833E+01)	1.458E+01	(1.855E+01)
1.000E-03	1.452E+01	(1.804E+01)	1.453E+01	(1.829E+01)	1.456E+01	(1.850E+01)
1.585E-03	1.449E+01	(1.791E+01)	1.449E+01	(1.818E+01)	1.453E+01	(1.836E+01)
2.512E-03	1.442E+01	(1.768E+01)	1.442E+01	(1.790E+01)	1.445E+01	(1.808E+01)
3.981E-03	1.423E+01	(1.714E+01)	1.423E+01	(1.729E+01)	1.426E+01	(1.740E+01)
6.310E-03	1.379E+01	(1.593E+01)	1.377E+01	(1.593E+01)	1.379E+01	(1.598E+01)
1.000E-02	1.276E+01	(1.362E+01)	1.271E+01	(1.347E+01)	1.272E+01	(1.342E+01)
1.585E-02	1.063E+01	(1.014E+01)	1.055E+01	(9.943E+00)	1.052E+01	(9.849E+00)
2.512E-02	7.227E+00	(6.327E+00)	7.148E+00	(6.232E+00)	7.108E+00	(6.178E+00)
3.981E-02	3.746E+00	(3.316E+00)	3.742E+00	(3.333E+00)	3.732E+00	(3.332E+00)
6.310E-02	1.585E+00	(1.477E+00)	1.618E+00	(1.512E+00)	1.628E+00	(1.524E+00)
1.000E-01	5.827E-01	(5.610E-01)	5.964E-01	(5.741E-01)	6.014E-01	(5.788E-01)
1.585E-01	1.932E-01	(1.898E-01)	1.955E-01	(1.919E-01)	1.962E-01	(1.926E-01)
2.512E-01	6.182E-02	(6.137E-02)	6.156E-02	(6.156E-02)	6.160E-02	(6.160E-02)
3.981E-01	1.992E-02	(1.986E-02)	1.984E-02	(1.984E-02)	1.982E-02	(1.982E-02)
6.310E-01	6.364E-03	(6.357E-03)	6.357E-03	(6.357E-03)	6.357E-03	(6.357E-03)
1.000E+00	2.102E-03	(2.101E-03)	2.101E-03	(2.101E-03)	2.101E-03	(2.101E-03)
1.585E+00	6.974E-04	(6.973E-04)	6.973E-04	(6.973E-04)	6.973E-04	(6.973E-04)
2.512E+00	2.310E-04	(2.310E-04)	2.310E-04	(2.310E-04)	2.310E-04	(2.310E-04)
3.981E+00	7.626E-05	(7.626E-05)	7.626E-05	(7.626E-05)	7.626E-05	(7.626E-05)
6.310E+00	2.504E-05	(2.504E-05)	2.504E-05	(2.504E-05)	2.504E-05	(2.504E-05)
1.000E+01	8.184E-06	(8.184E-06)	8.184E-06	(8.184E-06)	8.184E-06	(8.184E-06)
1.585E+01	2.647E-06	(2.647E-06)	2.647E-06	(2.647E-06)	2.647E-06	(2.647E-06)
2.512E+01	8.517E-07	(8.517E-07)	8.517E-07	(8.517E-07)	8.517E-07	(8.517E-07)
3.981E+01	2.766E-07	(2.766E-07)	2.766E-07	(2.766E-07)	2.766E-07	(2.766E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+15 DLAMBDA/DALPHA = 2.696E+01

TEMPERATURE IN K = 3.981E+04

R0/DEBYE (ELECTRONS) = 1.725E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.291E+01	(1.801E+01)	1.279E+01	(1.804E+01)	1.277E+01	(1.814E+01)
6.310E-04	1.291E+01	(1.797E+01)	1.279E+01	(1.796E+01)	1.276E+01	(1.810E+01)
1.000E-03	1.290E+01	(1.791E+01)	1.278E+01	(1.791E+01)	1.276E+01	(1.804E+01)
1.585E-03	1.288E+01	(1.782E+01)	1.276E+01	(1.782E+01)	1.274E+01	(1.791E+01)
2.512E-03	1.284E+01	(1.759E+01)	1.272E+01	(1.757E+01)	1.269E+01	(1.765E+01)
3.981E-03	1.273E+01	(1.707E+01)	1.261E+01	(1.701E+01)	1.258E+01	(1.705E+01)
6.310E-03	1.246E+01	(1.591E+01)	1.234E+01	(1.576E+01)	1.231E+01	(1.575E+01)
1.000E-02	1.181E+01	(1.368E+01)	1.170E+01	(1.345E+01)	1.167E+01	(1.338E+01)
1.585E-02	1.037E+01	(1.025E+01)	1.028E+01	(1.005E+01)	1.025E+01	(9.957E+00)
2.512E-02	7.699E+00	(6.414E+00)	7.640E+00	(6.359E+00)	7.613E+00	(6.316E+00)
3.981E-02	4.233E+00	(3.339E+00)	4.247E+00	(3.393E+00)	4.243E+00	(3.405E+00)
6.310E-02	1.709E+00	(1.462E+00)	1.757E+00	(1.515E+00)	1.772E+00	(1.534E+00)
1.000E-01	5.916E-01	(5.457E-01)	6.115E-01	(5.637E-01)	6.188E-01	(5.703E-01)
1.585E-01	1.896E-01	(1.828E-01)	1.932E-01	(1.860E-01)	1.944E-01	(1.871E-01)
2.512E-01	5.962E-02	(5.874E-02)	5.900E-02	(5.900E-02)	5.909E-02	(5.909E-02)
3.981E-01	1.896E-02	(1.885E-02)	1.883E-02	(1.883E-02)	1.882E-02	(1.882E-02)
6.310E-01	5.985E-03	(5.970E-03)	5.970E-03	(5.970E-03)	5.970E-03	(5.970E-03)
1.000E+00	1.964E-03	(1.963E-03)	1.963E-03	(1.963E-03)	1.963E-03	(1.963E-03)
1.585E+00	6.503E-04	(6.501E-04)	6.501E-04	(6.501E-04)	6.501E-04	(6.501E-04)
2.512E+00	2.158E-04	(2.158E-04)	2.158E-04	(2.158E-04)	2.158E-04	(2.158E-04)
3.981E+00	7.159E-05	(7.159E-05)	7.159E-05	(7.159E-05)	7.159E-05	(7.159E-05)
6.310E+00	2.371E-05	(2.371E-05)	2.371E-05	(2.371E-05)	2.371E-05	(2.371E-05)
1.000E+01	7.828E-06	(7.828E-06)	7.828E-06	(7.828E-06)	7.828E-06	(7.828E-06)
1.585E+01	2.578E-06	(2.578E-06)	2.578E-06	(2.578E-06)	2.578E-06	(2.578E-06)
2.512E+01	8.479E-07	(8.479E-07)	8.479E-07	(8.479E-07)	8.479E-07	(8.479E-07)
3.981E+01	2.766E-07	(2.766E-07)	2.766E-07	(2.766E-07)	2.766E-07	(2.766E-07)

ELECTRON DENSITY IN CM**(-3) = 1.000E+16 DLAMBDA/DALPHA = 5.808E+01

TEMPERATURE IN K = 1.995E+04

R0/DEBYE (ELECTRONS) = 2.951E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.691E+01	(1.819E+01)	1.724E+01	(1.870E+01)	1.741E+01	(1.901E+01)
6.310E-04	1.690E+01	(1.814E+01)	1.722E+01	(1.865E+01)	1.739E+01	(1.894E+01)
1.000E-03	1.687E+01	(1.811E+01)	1.719E+01	(1.862E+01)	1.736E+01	(1.888E+01)
1.585E-03	1.681E+01	(1.799E+01)	1.712E+01	(1.849E+01)	1.728E+01	(1.874E+01)
2.512E-03	1.664E+01	(1.774E+01)	1.694E+01	(1.817E+01)	1.709E+01	(1.839E+01)
3.981E-03	1.625E+01	(1.714E+01)	1.650E+01	(1.747E+01)	1.663E+01	(1.764E+01)
6.310E-03	1.534E+01	(1.584E+01)	1.549E+01	(1.598E+01)	1.557E+01	(1.606E+01)
1.000E-02	1.343E+01	(1.342E+01)	1.342E+01	(1.333E+01)	1.342E+01	(1.329E+01)
1.585E-02	1.020E+01	(9.912E+00)	1.004E+01	(9.703E+00)	9.975E+00	(9.608E+00)
2.512E-02	6.417E+00	(6.206E+00)	6.285E+00	(6.074E+00)	6.224E+00	(6.012E+00)
3.981E-02	3.397E+00	(3.318E+00)	3.378E+00	(3.304E+00)	3.366E+00	(3.294E+00)
6.310E-02	1.538E+00	(1.518E+00)	1.559E+00	(1.539E+00)	1.566E+00	(1.546E+00)
1.000E-01	5.922E-01	(5.877E-01)	6.013E-01	(5.967E-01)	6.047E-01	(6.000E-01)
1.585E-01	2.014E-01	(2.006E-01)	2.028E-01	(2.020E-01)	2.033E-01	(2.025E-01)
2.512E-01	6.556E-02	(6.546E-02)	6.551E-02	(6.551E-02)	6.555E-02	(6.555E-02)
3.981E-01	2.137E-02	(2.136E-02)	2.135E-02	(2.135E-02)	2.135E-02	(2.135E-02)
6.310E-01	6.868E-03	(6.866E-03)	6.866E-03	(6.866E-03)	6.866E-03	(6.866E-03)
1.000E+00	2.278E-03	(2.278E-03)	2.278E-03	(2.278E-03)	2.278E-03	(2.278E-03)
1.585E+00	7.535E-04	(7.535E-04)	7.535E-04	(7.535E-04)	7.535E-04	(7.535E-04)
2.512E+00	2.481E-04	(2.481E-04)	2.481E-04	(2.481E-04)	2.481E-04	(2.481E-04)
3.981E+00	8.120E-05	(8.120E-05)	8.120E-05	(8.120E-05)	8.120E-05	(8.120E-05)
6.310E+00	2.637E-05	(2.637E-05)	2.637E-05	(2.637E-05)	2.637E-05	(2.637E-05)
1.000E+01	8.463E-06	(8.463E-06)	8.463E-06	(8.463E-06)	8.463E-06	(8.463E-06)
1.585E+01	2.738E-06	(2.738E-06)	2.738E-06	(2.738E-06)	2.738E-06	(2.738E-06)
2.512E+01	8.965E-07	(8.965E-07)	8.965E-07	(8.965E-07)	8.965E-07	(8.965E-07)
3.981E+01	2.982E-07	(2.982E-07)	2.982E-07	(2.982E-07)	2.982E-07	(2.982E-07)

ELECTRON DENSITY IN CM**(-3) = 1.000E+16 DLAMBDA/DALPHA = 5.808E+01

TEMPERATURE IN K = 3.981E+04

RO/DEBYE (ELECTRONS) = 2.089E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.578E+01	(1.781E+01)	1.593E+01	(1.820E+01)	1.603E+01	(1.840E+01)
1.000E-03	1.575E+01	(1.771E+01)	1.590E+01	(1.810E+01)	1.600E+01	(1.832E+01)
1.585E-03	1.570E+01	(1.759E+01)	1.585E+01	(1.797E+01)	1.595E+01	(1.819E+01)
2.512E-03	1.559E+01	(1.736E+01)	1.572E+01	(1.768E+01)	1.582E+01	(1.789E+01)
3.981E-03	1.530E+01	(1.680E+01)	1.542E+01	(1.705E+01)	1.550E+01	(1.720E+01)
6.310E-03	1.463E+01	(1.562E+01)	1.470E+01	(1.569E+01)	1.475E+01	(1.575E+01)
1.000E-02	1.315E+01	(1.336E+01)	1.313E+01	(1.323E+01)	1.313E+01	(1.319E+01)
1.585E-02	1.040E+01	(9.999E+00)	1.028E+01	(9.782E+00)	1.022E+01	(9.684E+00)
2.512E-02	6.738E+00	(6.330E+00)	6.620E+00	(6.208E+00)	6.562E+00	(6.146E+00)
3.981E-02	3.555E+00	(3.389E+00)	3.548E+00	(3.393E+00)	3.538E+00	(3.387E+00)
6.310E-02	1.576E+00	(1.532E+00)	1.607E+00	(1.564E+00)	1.618E+00	(1.576E+00)
1.000E-01	5.903E-01	(5.808E-01)	6.032E-01	(5.934E-01)	6.079E-01	(5.980E-01)
1.585E-01	1.962E-01	(1.947E-01)	1.984E-01	(1.968E-01)	1.991E-01	(1.975E-01)
2.512E-01	6.279E-02	(6.259E-02)	6.274E-02	(6.274E-02)	6.278E-02	(6.278E-02)
3.981E-01	2.020E-02	(2.018E-02)	2.015E-02	(2.015E-02)	2.015E-02	(2.015E-02)
6.310E-01	6.442E-03	(6.439E-03)	6.439E-03	(6.439E-03)	6.439E-03	(6.439E-03)
1.000E+00	2.130E-03	(2.130E-03)	2.130E-03	(2.130E-03)	2.130E-03	(2.130E-03)
1.585E+00	7.062E-04	(7.062E-04)	7.062E-04	(7.062E-04)	7.062E-04	(7.062E-04)
2.512E+00	2.340E-04	(2.340E-04)	2.340E-04	(2.340E-04)	2.340E-04	(2.340E-04)
3.981E+00	7.734E-05	(7.734E-05)	7.734E-05	(7.734E-05)	7.734E-05	(7.734E-05)
6.310E+00	2.549E-05	(2.549E-05)	2.549E-05	(2.549E-05)	2.549E-05	(2.549E-05)
1.000E+01	8.381E-06	(8.381E-06)	8.381E-06	(8.381E-06)	8.381E-06	(8.381E-06)
1.585E+01	2.739E-06	(2.739E-06)	2.739E-06	(2.739E-06)	2.739E-06	(2.739E-06)
2.512E+01	8.965E-07	(8.965E-07)	8.965E-07	(8.965E-07)	8.965E-07	(8.965E-07)
3.981E+01	2.982E-07	(2.982E-07)	2.982E-07	(2.982E-07)	2.982E-07	(2.982E-07)

ELECTRON DENSITY IN CM**(-3) = 1.000E+16 DLAMBDA/DALPHA = 5.808E+01

TEMPERATURE IN K = 7.943E+04

RO/DEBYE (ELECTRONS) = 1.479E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.460E+01	(1.767E+01)	1.454E+01	(1.782E+01)	1.456E+01	(1.800E+01)
1.000E-03	1.458E+01	(1.760E+01)	1.452E+01	(1.778E+01)	1.454E+01	(1.793E+01)
1.585E-03	1.455E+01	(1.752E+01)	1.449E+01	(1.765E+01)	1.451E+01	(1.783E+01)
2.512E-03	1.447E+01	(1.729E+01)	1.441E+01	(1.740E+01)	1.443E+01	(1.753E+01)
3.981E-03	1.428E+01	(1.675E+01)	1.421E+01	(1.679E+01)	1.423E+01	(1.690E+01)
6.310E-03	1.381E+01	(1.560E+01)	1.373E+01	(1.553E+01)	1.374E+01	(1.555E+01)
1.000E-02	1.274E+01	(1.343E+01)	1.264E+01	(1.322E+01)	1.263E+01	(1.315E+01)
1.585E-02	1.056E+01	(1.012E+01)	1.044E+01	(9.898E+00)	1.040E+01	(9.795E+00)
2.512E-02	7.171E+00	(6.427E+00)	7.084E+00	(6.337E+00)	7.038E+00	(6.283E+00)
3.981E-02	3.769E+00	(3.414E+00)	3.784E+00	(3.453E+00)	3.780E+00	(3.458E+00)
6.310E-02	1.608E+00	(1.513E+00)	1.657E+00	(1.563E+00)	1.673E+00	(1.581E+00)
1.000E-01	5.821E-01	(5.627E-01)	6.006E-01	(5.804E-01)	6.075E-01	(5.869E-01)
1.585E-01	1.899E-01	(1.869E-01)	1.931E-01	(1.900E-01)	1.942E-01	(1.911E-01)
2.512E-01	6.009E-02	(5.971E-02)	5.995E-02	(5.995E-02)	6.005E-02	(6.005E-02)
3.981E-01	1.915E-02	(1.911E-02)	1.908E-02	(1.908E-02)	1.906E-02	(1.906E-02)
6.310E-01	6.054E-03	(6.048E-03)	6.048E-03	(6.048E-03)	6.048E-03	(6.048E-03)
1.000E+00	1.988E-03	(1.988E-03)	1.988E-03	(1.988E-03)	1.988E-03	(1.988E-03)
1.585E+00	6.583E-04	(6.582E-04)	6.582E-04	(6.582E-04)	6.582E-04	(6.582E-04)
2.512E+00	2.186E-04	(2.186E-04)	2.186E-04	(2.186E-04)	2.186E-04	(2.186E-04)
3.981E+00	7.268E-05	(7.268E-05)	7.268E-05	(7.268E-05)	7.268E-05	(7.268E-05)
6.310E+00	2.415E-05	(2.415E-05)	2.415E-05	(2.415E-05)	2.415E-05	(2.415E-05)
1.000E+01	8.024E-06	(8.024E-06)	8.024E-06	(8.024E-06)	8.024E-06	(8.024E-06)
1.585E+01	2.669E-06	(2.669E-06)	2.669E-06	(2.669E-06)	2.669E-06	(2.669E-06)
2.512E+01	8.965E-07	(8.965E-07)	8.965E-07	(8.965E-07)	8.965E-07	(8.965E-07)
3.981E+01	2.982E-07	(2.982E-07)	2.982E-07	(2.982E-07)	2.982E-07	(2.982E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+16 DLAMBDA/DALPHA = 1.251E+02

TEMPERATURE IN K = 1.995E+04

RO/DEBYE (ELECTRONS) = 3.576E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.803E+01	(1.840E+01)	1.857E+01	(1.899E+01)	1.883E+01	(1.926E+01)
6.310E-04	1.800E+01	(1.834E+01)	1.854E+01	(1.894E+01)	1.879E+01	(1.923E+01)
1.000E-03	1.796E+01	(1.828E+01)	1.849E+01	(1.887E+01)	1.874E+01	(1.916E+01)
1.585E-03	1.786E+01	(1.816E+01)	1.837E+01	(1.873E+01)	1.862E+01	(1.900E+01)
2.512E-03	1.762E+01	(1.789E+01)	1.809E+01	(1.841E+01)	1.831E+01	(1.866E+01)
3.981E-03	1.704E+01	(1.724E+01)	1.742E+01	(1.765E+01)	1.760E+01	(1.783E+01)
6.310E-03	1.576E+01	(1.584E+01)	1.597E+01	(1.603E+01)	1.606E+01	(1.612E+01)
1.000E-02	1.333E+01	(1.329E+01)	1.329E+01	(1.322E+01)	1.326E+01	(1.319E+01)
1.585E-02	9.800E+00	(9.708E+00)	9.611E+00	(9.507E+00)	9.507E+00	(9.419E+00)
2.512E-02	6.114E+00	(6.072E+00)	5.976E+00	(5.935E+00)	5.922E+00	(5.876E+00)
3.981E-02	3.307E+00	(3.293E+00)	3.281E+00	(3.268E+00)	3.269E+00	(3.255E+00)
6.310E-02	1.545E+00	(1.541E+00)	1.557E+00	(1.553E+00)	1.562E+00	(1.558E+00)
1.000E-01	6.104E-01	(6.095E-01)	6.165E-01	(6.156E-01)	6.188E-01	(6.178E-01)
1.585E-01	2.116E-01	(2.115E-01)	2.125E-01	(2.123E-01)	2.128E-01	(2.126E-01)
2.512E-01	7.000E-02	(6.998E-02)	7.002E-02	(7.002E-02)	7.002E-02	(7.002E-02)
3.981E-01	2.308E-02	(2.308E-02)	2.308E-02	(2.308E-02)	2.308E-02	(2.308E-02)
6.310E-01	7.419E-03	(7.418E-03)	7.418E-03	(7.418E-03)	7.418E-03	(7.418E-03)
1.000E+00	2.446E-03	(2.445E-03)	2.445E-03	(2.445E-03)	2.445E-03	(2.445E-03)
1.585E+00	8.060E-04	(8.060E-04)	8.060E-04	(8.060E-04)	8.060E-04	(8.060E-04)
2.512E+00	2.630E-04	(2.630E-04)	2.630E-04	(2.630E-04)	2.630E-04	(2.630E-04)
3.981E+00	8.422E-05	(8.422E-05)	8.422E-05	(8.422E-05)	8.422E-05	(8.422E-05)
6.310E+00	2.716E-05	(2.716E-05)	2.716E-05	(2.716E-05)	2.716E-05	(2.716E-05)
1.000E+01	8.851E-06	(8.851E-06)	8.851E-06	(8.851E-06)	8.851E-06	(8.851E-06)
1.585E+01	2.926E-06	(2.926E-06)	2.926E-06	(2.926E-06)	2.926E-06	(2.926E-06)
2.512E+01	9.861E-07	(9.861E-07)	9.861E-07	(9.861E-07)	9.861E-07	(9.861E-07)
3.981E+01	3.401E-07	(3.401E-07)	3.401E-07	(3.401E-07)	3.401E-07	(3.401E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+16 DLAMBDA/DALPHA = 1.251E+02

TEMPERATURE IN K = 3.981E+04
RO/DEBYE (ELECTRONS) = 2.531E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.727E+01	(1.790E+01)	1.774E+01	(1.846E+01)	1.797E+01	(1.876E+01)
6.310E-04	1.724E+01	(1.785E+01)	1.771E+01	(1.843E+01)	1.795E+01	(1.873E+01)
1.000E-03	1.721E+01	(1.779E+01)	1.767E+01	(1.837E+01)	1.790E+01	(1.866E+01)
1.585E-03	1.713E+01	(1.767E+01)	1.758E+01	(1.823E+01)	1.780E+01	(1.851E+01)
2.512E-03	1.693E+01	(1.744E+01)	1.734E+01	(1.793E+01)	1.755E+01	(1.818E+01)
3.981E-03	1.645E+01	(1.684E+01)	1.679E+01	(1.722E+01)	1.696E+01	(1.740E+01)
6.310E-03	1.536E+01	(1.554E+01)	1.555E+01	(1.572E+01)	1.565E+01	(1.580E+01)
1.000E-02	1.321E+01	(1.316E+01)	1.318E+01	(1.308E+01)	1.317E+01	(1.305E+01)
1.585E-02	9.890E+00	(9.752E+00)	9.700E+00	(9.537E+00)	9.617E+00	(9.443E+00)
2.512E-02	6.270E+00	(6.186E+00)	6.123E+00	(6.039E+00)	6.058E+00	(5.973E+00)
3.981E-02	3.411E+00	(3.381E+00)	3.385E+00	(3.357E+00)	3.372E+00	(3.344E+00)
6.310E-02	1.583E+00	(1.575E+00)	1.602E+00	(1.594E+00)	1.608E+00	(1.600E+00)
1.000E-01	6.129E-01	(6.109E-01)	6.218E-01	(6.197E-01)	6.250E-01	(6.230E-01)
1.585E-01	2.073E-01	(2.069E-01)	2.086E-01	(2.083E-01)	2.091E-01	(2.087E-01)
2.512E-01	6.707E-02	(6.703E-02)	6.709E-02	(6.709E-02)	6.710E-02	(6.710E-02)
3.981E-01	2.177E-02	(2.177E-02)	2.176E-02	(2.176E-02)	2.175E-02	(2.175E-02)
6.310E-01	6.982E-03	(6.981E-03)	6.981E-03	(6.981E-03)	6.981E-03	(6.981E-03)
1.000E+00	2.313E-03	(2.313E-03)	2.313E-03	(2.313E-03)	2.313E-03	(2.313E-03)
1.585E+00	7.648E-04	(7.648E-04)	7.648E-04	(7.648E-04)	7.648E-04	(7.648E-04)
2.512E+00	2.522E-04	(2.522E-04)	2.522E-04	(2.522E-04)	2.522E-04	(2.522E-04)
3.981E+00	8.296E-05	(8.296E-05)	8.296E-05	(8.296E-05)	8.296E-05	(8.296E-05)
6.310E+00	2.716E-05	(2.716E-05)	2.716E-05	(2.716E-05)	2.716E-05	(2.716E-05)
1.000E+01	8.851E-06	(8.851E-06)	8.851E-06	(8.851E-06)	8.851E-06	(8.851E-06)
1.585E+01	2.927E-06	(2.927E-06)	2.927E-06	(2.927E-06)	2.927E-06	(2.927E-06)
2.512E+01	9.862E-07	(9.862E-07)	9.862E-07	(9.862E-07)	9.862E-07	(9.862E-07)
3.981E+01	3.401E-07	(3.401E-07)	3.401E-07	(3.401E-07)	3.401E-07	(3.401E-07)

ELECTRON DENSITY IN CM**(-3) = 3.162E+16 DLAMBDA/DALPHA = 1.251E+02

TEMPERATURE IN K = 7.943E+04

R0/DEBYE (ELECTRONS) = 1.792E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	1.651E+01	(1.755E+01)	1.683E+01	(1.804E+01)	1.701E+01	(1.831E+01)
6.310E-04	1.649E+01	(1.754E+01)	1.681E+01	(1.802E+01)	1.699E+01	(1.827E+01)
1.000E-03	1.647E+01	(1.746E+01)	1.678E+01	(1.795E+01)	1.696E+01	(1.823E+01)
1.585E-03	1.640E+01	(1.739E+01)	1.670E+01	(1.783E+01)	1.688E+01	(1.810E+01)
2.512E-03	1.624E+01	(1.713E+01)	1.653E+01	(1.756E+01)	1.669E+01	(1.778E+01)
3.981E-03	1.586E+01	(1.657E+01)	1.609E+01	(1.687E+01)	1.623E+01	(1.705E+01)
6.310E-03	1.497E+01	(1.536E+01)	1.510E+01	(1.548E+01)	1.519E+01	(1.555E+01)
1.000E-02	1.313E+01	(1.312E+01)	1.310E+01	(1.301E+01)	1.309E+01	(1.297E+01)
1.585E-02	1.007E+01	(9.843E+00)	9.888E+00	(9.617E+00)	9.810E+00	(9.516E+00)
2.512E-02	6.472E+00	(6.308E+00)	6.330E+00	(6.165E+00)	6.263E+00	(6.097E+00)
3.981E-02	3.513E+00	(3.449E+00)	3.500E+00	(3.440E+00)	3.488E+00	(3.430E+00)
6.310E-02	1.602E+00	(1.583E+00)	1.631E+00	(1.614E+00)	1.641E+00	(1.623E+00)
1.000E-01	6.044E-01	(6.002E-01)	6.170E-01	(6.127E-01)	6.217E-01	(6.173E-01)
1.585E-01	2.004E-01	(1.998E-01)	2.025E-01	(2.018E-01)	2.032E-01	(2.025E-01)
2.512E-01	6.391E-02	(6.382E-02)	6.397E-02	(6.397E-02)	6.401E-02	(6.401E-02)
3.981E-01	2.052E-02	(2.051E-02)	2.048E-02	(2.048E-02)	2.047E-02	(2.047E-02)
6.310E-01	6.539E-03	(6.538E-03)	6.538E-03	(6.538E-03)	6.538E-03	(6.538E-03)
1.000E+00	2.162E-03	(2.162E-03)	2.162E-03	(2.162E-03)	2.162E-03	(2.162E-03)
1.585E+00	7.172E-04	(7.171E-04)	7.171E-04	(7.171E-04)	7.171E-04	(7.171E-04)
2.512E+00	2.382E-04	(2.382E-04)	2.382E-04	(2.382E-04)	2.382E-04	(2.382E-04)
3.981E+00	7.911E-05	(7.911E-05)	7.911E-05	(7.911E-05)	7.911E-05	(7.911E-05)
6.310E+00	2.628E-05	(2.628E-05)	2.628E-05	(2.628E-05)	2.628E-05	(2.628E-05)
1.000E+01	8.759E-06	(8.759E-06)	8.759E-06	(8.759E-06)	8.759E-06	(8.759E-06)
1.585E+01	2.927E-06	(2.927E-06)	2.927E-06	(2.927E-06)	2.927E-06	(2.927E-06)
2.512E+01	9.862E-07	(9.862E-07)	9.862E-07	(9.862E-07)	9.862E-07	(9.862E-07)
3.981E+01	3.401E-07	(3.401E-07)	3.401E-07	(3.401E-07)	3.401E-07	(3.401E-07)

N UPPER = 2 N LOWER = 4 WAVELENGTH = 4862.74
KALPHA = 7.062E-03

ELECTRON DENSITY IN CM**(-3) = 3.162E+14 DLAMBDA/DALPHA = 5.808E+00

TEMPERATURE IN K = 1.000E+04
RO/DEBYE (ELECTRONS) = 2.344E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.970E+00 (4.931E+00)		4.838E+00 (4.552E+00)		4.788E+00 (4.395E+00)	
1.585E-03	4.969E+00 (4.935E+00)		4.838E+00 (4.559E+00)		4.787E+00 (4.403E+00)	
2.512E-03	4.968E+00 (4.945E+00)		4.836E+00 (4.576E+00)		4.786E+00 (4.423E+00)	
3.981E-03	4.964E+00 (4.969E+00)		4.834E+00 (4.615E+00)		4.784E+00 (4.469E+00)	
6.310E-03	4.954E+00 (5.018E+00)		4.827E+00 (4.699E+00)		4.778E+00 (4.569E+00)	
1.000E-02	4.929E+00 (5.110E+00)		4.809E+00 (4.858E+00)		4.764E+00 (4.758E+00)	
1.585E-02	4.866E+00 (5.227E+00)		4.763E+00 (5.083E+00)		4.724E+00 (5.032E+00)	
2.512E-02	4.702E+00 (5.210E+00)		4.635E+00 (5.198E+00)		4.610E+00 (5.201E+00)	
3.981E-02	4.279E+00 (4.658E+00)		4.272E+00 (4.734E+00)		4.271E+00 (4.769E+00)	
6.310E-02	3.302E+00 (3.244E+00)		3.345E+00 (3.314E+00)		3.362E+00 (3.340E+00)	
1.000E-01	1.791E+00 (1.592E+00)		1.823E+00 (1.620E+00)		1.835E+00 (1.630E+00)	
1.585E-01	6.486E-01 (5.869E-01)		6.554E-01 (5.921E-01)		6.577E-01 (5.938E-01)	
2.512E-01	1.993E-01 (1.904E-01)		1.999E-01 (1.909E-01)		1.999E-01 (1.909E-01)	
3.981E-01	6.176E-02 (6.070E-02)		6.168E-02 (6.061E-02)		6.164E-02 (6.057E-02)	
6.310E-01	1.896E-02 (1.882E-02)		1.896E-02 (1.882E-02)		1.896E-02 (1.882E-02)	
1.000E+00	6.196E-03 (6.181E-03)		6.196E-03 (6.181E-03)		6.196E-03 (6.181E-03)	
1.585E+00	2.039E-03 (2.037E-03)		2.039E-03 (2.037E-03)		2.039E-03 (2.037E-03)	
2.512E+00	6.715E-04 (6.712E-04)		6.715E-04 (6.712E-04)		6.715E-04 (6.712E-04)	
3.981E+00	2.191E-04 (2.191E-04)		2.191E-04 (2.191E-04)		2.191E-04 (2.191E-04)	
6.310E+00	7.096E-05 (7.096E-05)		7.096E-05 (7.096E-05)		7.096E-05 (7.096E-05)	
1.000E+01	2.248E-05 (2.248E-05)		2.248E-05 (2.248E-05)		2.248E-05 (2.248E-05)	
1.585E+01	7.130E-06 (7.130E-06)		7.130E-06 (7.130E-06)		7.130E-06 (7.130E-06)	
2.512E+01	2.267E-06 (2.267E-06)		2.267E-06 (2.267E-06)		2.267E-06 (2.267E-06)	
3.981E+01	7.228E-07 (7.228E-07)		7.228E-07 (7.228E-07)		7.228E-07 (7.228E-07)	
6.310E+01	2.316E-07 (2.316E-07)		2.316E-07 (2.316E-07)		2.316E-07 (2.316E-07)	
1.000E+02	7.472E-08 (7.472E-08)		7.472E-08 (7.472E-08)		7.472E-08 (7.472E-08)	
1.585E+02	2.435E-08 (2.435E-08)		2.435E-08 (2.435E-08)		2.435E-08 (2.435E-08)	
2.512E+02	8.052E-09 (8.052E-09)		8.052E-09 (8.052E-09)		8.052E-09 (8.052E-09)	
3.981E+02	2.713E-09 (2.713E-09)		2.713E-09 (2.713E-09)		2.713E-09 (2.713E-09)	

ELECTRON DENSITY IN CM**(-3) = 3.162E+14 DLAMBDA/DALPHA = 5.808E+00

TEMPERATURE IN K = 1.995E+04

RO/DEBYE (ELECTRONS) = 1.660E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.772E+00	(5.095E+00)	4.669E+00	(4.672E+00)	4.630E+00	(4.492E+00)
1.585E-03	4.771E+00	(5.101E+00)	4.668E+00	(4.680E+00)	4.629E+00	(4.505E+00)
2.512E-03	4.769E+00	(5.107E+00)	4.666E+00	(4.695E+00)	4.628E+00	(4.525E+00)
3.981E-03	4.765E+00	(5.128E+00)	4.662E+00	(4.733E+00)	4.624E+00	(4.570E+00)
6.310E-03	4.754E+00	(5.174E+00)	4.653E+00	(4.812E+00)	4.615E+00	(4.666E+00)
1.000E-02	4.728E+00	(5.255E+00)	4.630E+00	(4.963E+00)	4.594E+00	(4.848E+00)
1.585E-02	4.662E+00	(5.344E+00)	4.573E+00	(5.165E+00)	4.539E+00	(5.099E+00)
2.512E-02	4.500E+00	(5.283E+00)	4.429E+00	(5.244E+00)	4.404E+00	(5.237E+00)
3.981E-02	4.114E+00	(4.681E+00)	4.081E+00	(4.749E+00)	4.070E+00	(4.780E+00)
6.310E-02	3.283E+00	(3.234E+00)	3.302E+00	(3.317E+00)	3.309E+00	(3.349E+00)
1.000E-01	1.924E+00	(1.572E+00)	1.962E+00	(1.612E+00)	1.976E+00	(1.627E+00)
1.585E-01	7.041E-01	(5.712E-01)	7.174E-01	(5.799E-01)	7.220E-01	(5.828E-01)
2.512E-01	2.014E-01	(1.827E-01)	2.026E-01	(1.835E-01)	2.029E-01	(1.837E-01)
3.981E-01	5.965E-02	(5.752E-02)	5.958E-02	(5.744E-02)	5.954E-02	(5.740E-02)
6.310E-01	1.793E-02	(1.765E-02)	1.792E-02	(1.765E-02)	1.792E-02	(1.765E-02)
1.000E+00	5.808E-03	(5.780E-03)	5.808E-03	(5.780E-03)	5.808E-03	(5.780E-03)
1.585E+00	1.915E-03	(1.911E-03)	1.915E-03	(1.911E-03)	1.915E-03	(1.911E-03)
2.512E+00	6.318E-04	(6.313E-04)	6.318E-04	(6.313E-04)	6.318E-04	(6.313E-04)
3.981E+00	2.080E-04	(2.079E-04)	2.080E-04	(2.079E-04)	2.080E-04	(2.079E-04)
6.310E+00	6.815E-05	(6.814E-05)	6.815E-05	(6.814E-05)	6.815E-05	(6.814E-05)
1.000E+01	2.219E-05	(2.219E-05)	2.219E-05	(2.219E-05)	2.219E-05	(2.219E-05)
1.585E+01	7.130E-06	(7.130E-06)	7.130E-06	(7.130E-06)	7.130E-06	(7.130E-06)
2.512E+01	2.267E-06	(2.267E-06)	2.267E-06	(2.267E-06)	2.267E-06	(2.267E-06)
3.981E+01	7.228E-07	(7.228E-07)	7.228E-07	(7.228E-07)	7.228E-07	(7.228E-07)
6.310E+01	2.316E-07	(2.316E-07)	2.316E-07	(2.316E-07)	2.316E-07	(2.316E-07)
1.000E+02	7.472E-08	(7.472E-08)	7.472E-08	(7.472E-08)	7.472E-08	(7.472E-08)
1.585E+02	2.435E-08	(2.435E-08)	2.435E-08	(2.435E-08)	2.435E-08	(2.435E-08)
2.512E+02	8.052E-09	(8.052E-09)	8.052E-09	(8.052E-09)	8.052E-09	(8.052E-09)
3.981E+02	2.713E-09	(2.713E-09)	2.713E-09	(2.713E-09)	2.713E-09	(2.713E-09)

ELECTRON DENSITY IN CM**(-3) = 1.000E+15 DLAMBDA/DALPHA = 1.251E+01
 KALPHA = 7.062E-03

TEMPERATURE IN K = 1.000E+04
 R0/DEBYE (ELECTRONS) = 2.840E-01

PROTONS			HELIUM+		ARGON+		
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	
0.000E-01	4.753E+00	(4.529E+00)	4.539E+00	(4.201E+00)	4.454E+00	(4.064E+00)	
1.585E-03	4.755E+00	(4.535E+00)	4.542E+00	(4.211E+00)	4.457E+00	(4.079E+00)	
2.512E-03	4.758E+00	(4.546E+00)	4.546E+00	(4.229E+00)	4.462E+00	(4.099E+00)	
3.981E-03	4.764E+00	(4.578E+00)	4.557E+00	(4.274E+00)	4.475E+00	(4.151E+00)	
6.310E-03	4.780E+00	(4.647E+00)	4.584E+00	(4.375E+00)	4.506E+00	(4.265E+00)	
1.000E-02	4.813E+00	(4.783E+00)	4.643E+00	(4.574E+00)	4.576E+00	(4.492E+00)	
1.585E-02	4.868E+00	(4.977E+00)	4.752E+00	(4.872E+00)	4.708E+00	(4.834E+00)	
2.512E-02	4.877E+00	(5.075E+00)	4.850E+00	(5.088E+00)	4.842E+00	(5.099E+00)	
3.981E-02	4.514E+00	(4.636E+00)	4.566E+00	(4.712E+00)	4.589E+00	(4.744E+00)	
6.310E-02	3.313E+00	(3.283E+00)	3.367E+00	(3.336E+00)	3.387E+00	(3.355E+00)	
1.000E-01	1.684E+00	(1.641E+00)	1.703E+00	(1.658E+00)	1.710E+00	(1.664E+00)	
1.585E-01	6.288E-01	(6.166E-01)	6.320E-01	(6.195E-01)	6.330E-01	(6.205E-01)	
2.512E-01	2.052E-01	(2.033E-01)	2.052E-01	(2.034E-01)	2.052E-01	(2.033E-01)	
3.981E-01	6.564E-02	(6.540E-02)	6.560E-02	(6.537E-02)	6.557E-02	(6.534E-02)	
6.310E-01	2.033E-02	(2.030E-02)	2.033E-02	(2.030E-02)	2.033E-02	(2.030E-02)	
1.000E+00	6.648E-03	(6.645E-03)	6.648E-03	(6.645E-03)	6.648E-03	(6.645E-03)	
1.585E+00	2.172E-03	(2.172E-03)	2.172E-03	(2.172E-03)	2.172E-03	(2.172E-03)	
2.512E+00	7.080E-04	(7.080E-04)	7.080E-04	(7.080E-04)	7.080E-04	(7.080E-04)	
3.981E+00	2.249E-04	(2.249E-04)	2.249E-04	(2.249E-04)	2.249E-04	(2.249E-04)	
6.310E+00	7.126E-05	(7.126E-05)	7.126E-05	(7.126E-05)	7.126E-05	(7.126E-05)	
1.000E+01	2.263E-05	(2.263E-05)	2.263E-05	(2.263E-05)	2.263E-05	(2.263E-05)	
1.585E+01	7.206E-06	(7.206E-06)	7.206E-06	(7.206E-06)	7.206E-06	(7.206E-06)	
2.512E+01	2.304E-06	(2.304E-06)	2.304E-06	(2.304E-06)	2.304E-06	(2.304E-06)	
3.981E+01	7.415E-07	(7.415E-07)	7.415E-07	(7.415E-07)	7.415E-07	(7.415E-07)	
6.310E+01	2.408E-07	(2.408E-07)	2.408E-07	(2.408E-07)	2.408E-07	(2.408E-07)	
1.000E+02	7.919E-08	(7.919E-08)	7.919E-08	(7.919E-08)	7.919E-08	(7.919E-08)	
1.585E+02	2.650E-08	(2.650E-08)	2.650E-08	(2.650E-08)	2.650E-08	(2.650E-08)	
2.512E+02	9.061E-09	(9.061E-09)	9.061E-09	(9.061E-09)	9.061E-09	(9.061E-09)	
3.981E+02	3.177E-09	(3.177E-09)	3.177E-09	(3.177E-09)	3.177E-09	(3.177E-09)	

ELECTRON DENSITY IN CM**(-3) = 1.000E+15 DLAMBDA/DALPHA = 1.251E+01

TEMPERATURE IN K = 1.995E+04

RO/DEBYE (ELECTRONS) = 2.011E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.854E+00	(4.592E+00)	4.659E+00	(4.222E+00)	4.582E+00	(4.067E+00)
1.585E-03	4.854E+00	(4.596E+00)	4.660E+00	(4.230E+00)	4.583E+00	(4.080E+00)
2.512E-03	4.854E+00	(4.608E+00)	4.661E+00	(4.249E+00)	4.585E+00	(4.102E+00)
3.981E-03	4.855E+00	(4.639E+00)	4.665E+00	(4.296E+00)	4.590E+00	(4.155E+00)
6.310E-03	4.857E+00	(4.708E+00)	4.674E+00	(4.398E+00)	4.602E+00	(4.272E+00)
1.000E-02	4.860E+00	(4.837E+00)	4.693E+00	(4.595E+00)	4.628E+00	(4.498E+00)
1.585E-02	4.856E+00	(5.022E+00)	4.726E+00	(4.888E+00)	4.676E+00	(4.839E+00)
2.512E-02	4.790E+00	(5.107E+00)	4.730E+00	(5.102E+00)	4.709E+00	(5.107E+00)
3.981E-02	4.434E+00	(4.663E+00)	4.461E+00	(4.738E+00)	4.474E+00	(4.771E+00)
6.310E-02	3.342E+00	(3.306E+00)	3.401E+00	(3.371E+00)	3.424E+00	(3.395E+00)
1.000E-01	1.729E+00	(1.641E+00)	1.758E+00	(1.667E+00)	1.768E+00	(1.676E+00)
1.585E-01	6.306E-01	(6.047E-01)	6.362E-01	(6.098E-01)	6.381E-01	(6.114E-01)
2.512E-01	1.989E-01	(1.951E-01)	1.994E-01	(1.955E-01)	1.994E-01	(1.956E-01)
3.981E-01	6.231E-02	(6.185E-02)	6.222E-02	(6.176E-02)	6.219E-02	(6.173E-02)
6.310E-01	1.913E-02	(1.907E-02)	1.913E-02	(1.907E-02)	1.913E-02	(1.907E-02)
1.000E+00	6.258E-03	(6.252E-03)	6.258E-03	(6.252E-03)	6.258E-03	(6.252E-03)
1.585E+00	2.057E-03	(2.056E-03)	2.057E-03	(2.056E-03)	2.057E-03	(2.056E-03)
2.512E+00	6.766E-04	(6.765E-04)	6.766E-04	(6.765E-04)	6.766E-04	(6.765E-04)
3.981E+00	2.206E-04	(2.206E-04)	2.206E-04	(2.206E-04)	2.206E-04	(2.206E-04)
6.310E+00	7.126E-05	(7.126E-05)	7.126E-05	(7.126E-05)	7.126E-05	(7.126E-05)
1.000E+01	2.263E-05	(2.263E-05)	2.263E-05	(2.263E-05)	2.263E-05	(2.263E-05)
1.585E+01	7.206E-06	(7.206E-06)	7.206E-06	(7.206E-06)	7.206E-06	(7.206E-06)
2.512E+01	2.304E-06	(2.304E-06)	2.304E-06	(2.304E-06)	2.304E-06	(2.304E-06)
3.981E+01	7.415E-07	(7.415E-07)	7.415E-07	(7.415E-07)	7.415E-07	(7.415E-07)
6.310E+01	2.408E-07	(2.408E-07)	2.408E-07	(2.408E-07)	2.408E-07	(2.408E-07)
1.000E+02	7.919E-08	(7.919E-08)	7.919E-08	(7.919E-08)	7.919E-08	(7.919E-08)
1.585E+02	2.650E-08	(2.650E-08)	2.650E-08	(2.650E-08)	2.650E-08	(2.650E-08)
2.512E+02	9.061E-09	(9.061E-09)	9.061E-09	(9.061E-09)	9.061E-09	(9.061E-09)
3.981E+02	3.177E-09	(3.177E-09)	3.177E-09	(3.177E-09)	3.177E-09	(3.177E-09)

ELECTRON DENSITY IN CM**(-3) = 1.000E+15 DLAMBDA/DALPHA = 1.251E+01

TEMPERATURE IN K = 3.981E+04

RO/DEBYE (ELECTRONS) = 1.424E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.950E+00	(4.785E+00)	4.783E+00	(4.364E+00)	4.718E+00	(4.195E+00)
1.585E-03	4.949E+00	(4.785E+00)	4.782E+00	(4.377E+00)	4.718E+00	(4.207E+00)
2.512E-03	4.948E+00	(4.801E+00)	4.782E+00	(4.397E+00)	4.718E+00	(4.231E+00)
3.981E-03	4.945E+00	(4.830E+00)	4.780E+00	(4.444E+00)	4.717E+00	(4.285E+00)
6.310E-03	4.937E+00	(4.894E+00)	4.776E+00	(4.544E+00)	4.714E+00	(4.402E+00)
1.000E-02	4.917E+00	(5.014E+00)	4.765E+00	(4.733E+00)	4.707E+00	(4.623E+00)
1.585E-02	4.865E+00	(5.170E+00)	4.735E+00	(5.003E+00)	4.685E+00	(4.942E+00)
2.512E-02	4.722E+00	(5.201E+00)	4.637E+00	(5.171E+00)	4.606E+00	(5.167E+00)
3.981E-02	4.322E+00	(4.689E+00)	4.311E+00	(4.755E+00)	4.309E+00	(4.786E+00)
6.310E-02	3.334E+00	(3.289E+00)	3.384E+00	(3.365E+00)	3.403E+00	(3.394E+00)
1.000E-01	1.788E+00	(1.614E+00)	1.829E+00	(1.653E+00)	1.843E+00	(1.666E+00)
1.585E-01	6.400E-01	(5.862E-01)	6.503E-01	(5.947E-01)	6.539E-01	(5.976E-01)
2.512E-01	1.941E-01	(1.865E-01)	1.950E-01	(1.873E-01)	1.953E-01	(1.874E-01)
3.981E-01	5.934E-02	(5.844E-02)	5.925E-02	(5.835E-02)	5.921E-02	(5.831E-02)
6.310E-01	1.799E-02	(1.787E-02)	1.799E-02	(1.787E-02)	1.799E-02	(1.787E-02)
1.000E+00	5.856E-03	(5.844E-03)	5.856E-03	(5.844E-03)	5.856E-03	(5.844E-03)
1.585E+00	1.932E-03	(1.930E-03)	1.932E-03	(1.930E-03)	1.932E-03	(1.930E-03)
2.512E+00	6.372E-04	(6.370E-04)	6.372E-04	(6.370E-04)	6.372E-04	(6.370E-04)
3.981E+00	2.098E-04	(2.098E-04)	2.098E-04	(2.098E-04)	2.098E-04	(2.098E-04)
6.310E+00	6.876E-05	(6.875E-05)	6.876E-05	(6.875E-05)	6.876E-05	(6.875E-05)
1.000E+01	2.241E-05	(2.241E-05)	2.241E-05	(2.241E-05)	2.241E-05	(2.241E-05)
1.585E+01	7.206E-06	(7.206E-06)	7.206E-06	(7.206E-06)	7.206E-06	(7.206E-06)
2.512E+01	2.304E-06	(2.304E-06)	2.304E-06	(2.304E-06)	2.304E-06	(2.304E-06)
3.981E+01	7.415E-07	(7.415E-07)	7.415E-07	(7.415E-07)	7.415E-07	(7.415E-07)
6.310E+01	2.408E-07	(2.408E-07)	2.408E-07	(2.408E-07)	2.408E-07	(2.408E-07)
1.000E+02	7.919E-08	(7.919E-08)	7.919E-08	(7.919E-08)	7.919E-08	(7.919E-08)
1.585E+02	2.650E-08	(2.650E-08)	2.650E-08	(2.650E-08)	2.650E-08	(2.650E-08)
2.512E+02	9.061E-09	(9.061E-09)	9.061E-09	(9.061E-09)	9.061E-09	(9.061E-09)
3.981E+02	3.177E-09	(3.177E-09)	3.177E-09	(3.177E-09)	3.177E-09	(3.177E-09)

ELECTRON DENSITY IN CM**(-3) = 3.162E+15 DLAMBDA/DALPHA = 2.696E+01

KALPHA = 7.062E-03

TEMPERATURE IN K = 1.000E+04

R0/DEBYE (ELECTRONS) = 3.441E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.225E+00	(4.225E+00)	3.953E+00	(3.953E+00)	3.844E+00	(3.844E+00)
1.585E-03	4.232E+00	(4.232E+00)	3.964E+00	(3.964E+00)	3.856E+00	(3.856E+00)
2.512E-03	4.248E+00	(4.248E+00)	3.984E+00	(3.984E+00)	3.879E+00	(3.879E+00)
3.981E-03	4.283E+00	(4.283E+00)	4.032E+00	(4.032E+00)	3.931E+00	(3.931E+00)
6.310E-03	4.364E+00	(4.364E+00)	4.140E+00	(4.140E+00)	4.052E+00	(4.052E+00)
1.000E-02	4.527E+00	(4.527E+00)	4.359E+00	(4.359E+00)	4.294E+00	(4.294E+00)
1.585E-02	4.778E+00	(4.778E+00)	4.702E+00	(4.702E+00)	4.675E+00	(4.675E+00)
2.512E-02	4.963E+00	(4.963E+00)	4.988E+00	(4.988E+00)	5.002E+00	(5.002E+00)
3.981E-02	4.602E+00	(4.602E+00)	4.670E+00	(4.670E+00)	4.698E+00	(4.698E+00)
6.310E-02	3.295E+00	(3.295E+00)	3.334E+00	(3.334E+00)	3.348E+00	(3.348E+00)
1.000E-01	1.675E+00	(1.675E+00)	1.686E+00	(1.686E+00)	1.690E+00	(1.690E+00)
1.585E-01	6.451E-01	(6.451E-01)	6.467E-01	(6.467E-01)	6.471E-01	(6.471E-01)
2.512E-01	2.168E-01	(2.168E-01)	2.168E-01	(2.168E-01)	2.168E-01	(2.168E-01)
3.981E-01	7.041E-02	(7.041E-02)	7.037E-02	(7.037E-02)	7.034E-02	(7.034E-02)
6.310E-01	2.170E-02	(2.170E-02)	2.170E-02	(2.170E-02)	2.170E-02	(2.170E-02)
1.000E+00	7.042E-03	(7.042E-03)	7.042E-03	(7.042E-03)	7.042E-03	(7.042E-03)
1.585E+00	2.273E-03	(2.273E-03)	2.273E-03	(2.273E-03)	2.273E-03	(2.273E-03)
2.512E+00	7.138E-04	(7.138E-04)	7.138E-04	(7.138E-04)	7.138E-04	(7.138E-04)
3.981E+00	2.262E-04	(2.262E-04)	2.262E-04	(2.262E-04)	2.262E-04	(2.262E-04)
6.310E+00	7.191E-05	(7.191E-05)	7.191E-05	(7.191E-05)	7.191E-05	(7.191E-05)
1.000E+01	2.295E-05	(2.295E-05)	2.295E-05	(2.295E-05)	2.295E-05	(2.295E-05)
1.585E+01	7.367E-06	(7.367E-06)	7.367E-06	(7.367E-06)	7.367E-06	(7.367E-06)
2.512E+01	2.384E-06	(2.384E-06)	2.384E-06	(2.384E-06)	2.384E-06	(2.384E-06)
3.981E+01	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)
6.310E+01	2.595E-07	(2.595E-07)	2.595E-07	(2.595E-07)	2.595E-07	(2.595E-07)
1.000E+02	8.804E-08	(8.804E-08)	8.804E-08	(8.804E-08)	8.804E-08	(8.804E-08)
1.585E+02	3.061E-08	(3.061E-08)	3.061E-08	(3.061E-08)	3.061E-08	(3.061E-08)
2.512E+02	1.092E-08	(1.092E-08)	1.092E-08	(1.092E-08)	1.092E-08	(1.092E-08)
3.981E+02	3.999E-09	(3.999E-09)	3.999E-09	(3.999E-09)	3.999E-09	(3.999E-09)

ELECTRON DENSITY IN CM**(-3) = 3.162E+15 LAMBDA/DALPHA = 2.696E+01

TEMPERATURE IN K = 1.995E+04

R0/DEBYE (ELECTRONS) = 2.436E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.365E+00	(4.193E+00)	3.885E+00	(3.885E+00)	3.758E+00	(3.758E+00)
1.585E-03	4.370E+00	(4.201E+00)	3.896E+00	(3.896E+00)	3.772E+00	(3.772E+00)
2.512E-03	4.377E+00	(4.218E+00)	3.917E+00	(3.917E+00)	3.796E+00	(3.796E+00)
3.981E-03	4.395E+00	(4.254E+00)	3.967E+00	(3.967E+00)	3.851E+00	(3.851E+00)
6.310E-03	4.438E+00	(4.337E+00)	4.079E+00	(4.079E+00)	3.976E+00	(3.976E+00)
1.000E-02	4.532E+00	(4.501E+00)	4.304E+00	(4.304E+00)	4.226E+00	(4.226E+00)
1.585E-02	4.699E+00	(4.755E+00)	4.656E+00	(4.656E+00)	4.620E+00	(4.620E+00)
2.512E-02	4.849E+00	(4.950E+00)	4.964E+00	(4.964E+00)	4.974E+00	(4.974E+00)
3.981E-02	4.558E+00	(4.621E+00)	4.694E+00	(4.694E+00)	4.725E+00	(4.725E+00)
6.310E-02	3.360E+00	(3.340E+00)	3.390E+00	(3.390E+00)	3.408E+00	(3.408E+00)
1.000E-01	1.712E+00	(1.695E+00)	1.712E+00	(1.712E+00)	1.718E+00	(1.718E+00)
1.585E-01	6.437E-01	(6.387E-01)	6.416E-01	(6.416E-01)	6.425E-01	(6.425E-01)
2.512E-01	2.100E-01	(2.092E-01)	2.093E-01	(2.093E-01)	2.093E-01	(2.093E-01)
3.981E-01	6.689E-02	(6.679E-02)	6.674E-02	(6.674E-02)	6.672E-02	(6.672E-02)
6.310E-01	2.058E-02	(2.057E-02)	2.057E-02	(2.057E-02)	2.057E-02	(2.057E-02)
1.000E+00	6.717E-03	(6.716E-03)	6.716E-03	(6.716E-03)	6.716E-03	(6.716E-03)
1.585E+00	2.191E-03	(2.190E-03)	2.190E-03	(2.190E-03)	2.190E-03	(2.190E-03)
2.512E+00	7.132E-04	(7.132E-04)	7.132E-04	(7.132E-04)	7.132E-04	(7.132E-04)
3.981E+00	2.262E-04	(2.262E-04)	2.262E-04	(2.262E-04)	2.262E-04	(2.262E-04)
6.310E+00	7.192E-05	(7.191E-05)	7.191E-05	(7.191E-05)	7.191E-05	(7.191E-05)
1.000E+01	2.295E-05	(2.295E-05)	2.295E-05	(2.295E-05)	2.295E-05	(2.295E-05)
1.585E+01	7.367E-06	(7.367E-06)	7.367E-06	(7.367E-06)	7.367E-06	(7.367E-06)
2.512E+01	2.384E-06	(2.384E-06)	2.384E-06	(2.384E-06)	2.384E-06	(2.384E-06)
3.981E+01	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)
6.310E+01	2.595E-07	(2.595E-07)	2.595E-07	(2.595E-07)	2.595E-07	(2.595E-07)
1.000E+02	8.804E-08	(8.804E-08)	8.804E-08	(8.804E-08)	8.804E-08	(8.804E-08)
1.585E+02	3.061E-08	(3.061E-08)	3.061E-08	(3.061E-08)	3.061E-08	(3.061E-08)
2.512E+02	1.092E-08	(1.092E-08)	1.092E-08	(1.092E-08)	1.092E-08	(1.092E-08)
3.981E+02	3.999E-09	(3.999E-09)	3.999E-09	(3.999E-09)	3.999E-09	(3.999E-09)

ELECTRON DENSITY IN CM**(-3) = 3.162E+15 DLAMBDALPHA = 2.696E+01

TEMPERATURE IN K = 3.981E+04

RO/DEBYE (ELECTRONS) = 1.725E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.544E+00	(4.284E+00)	4.296E+00	(3.929E+00)	4.198E+00	(3.786E+00)
1.585E-03	4.547E+00	(4.293E+00)	4.300E+00	(3.943E+00)	4.202E+00	(3.801E+00)
2.512E-03	4.551E+00	(4.308E+00)	4.307E+00	(3.965E+00)	4.210E+00	(3.825E+00)
3.981E-03	4.561E+00	(4.346E+00)	4.322E+00	(4.017E+00)	4.227E+00	(3.884E+00)
6.310E-03	4.586E+00	(4.429E+00)	4.360E+00	(4.133E+00)	4.270E+00	(4.014E+00)
1.000E-02	4.642E+00	(4.594E+00)	4.445E+00	(4.362E+00)	4.367E+00	(4.271E+00)
1.585E-02	4.743E+00	(4.838E+00)	4.607E+00	(4.713E+00)	4.556E+00	(4.667E+00)
2.512E-02	4.827E+00	(5.010E+00)	4.789E+00	(5.009E+00)	4.779E+00	(5.015E+00)
3.981E-02	4.538E+00	(4.655E+00)	4.590E+00	(4.727E+00)	4.613E+00	(4.758E+00)
6.310E-02	3.376E+00	(3.354E+00)	3.435E+00	(3.414E+00)	3.457E+00	(3.436E+00)
1.000E-01	1.725E+00	(1.688E+00)	1.751E+00	(1.713E+00)	1.760E+00	(1.721E+00)
1.585E-01	6.342E-01	(6.232E-01)	6.394E-01	(6.282E-01)	6.412E-01	(6.299E-01)
2.512E-01	2.015E-01	(1.999E-01)	2.020E-01	(2.003E-01)	2.020E-01	(2.004E-01)
3.981E-01	6.318E-02	(6.298E-02)	6.308E-02	(6.288E-02)	6.304E-02	(6.284E-02)
6.310E-01	1.934E-02	(1.932E-02)	1.934E-02	(1.932E-02)	1.934E-02	(1.932E-02)
1.000E+00	6.324E-03	(6.321E-03)	6.324E-03	(6.321E-03)	6.324E-03	(6.321E-03)
1.585E+00	2.077E-03	(2.077E-03)	2.077E-03	(2.077E-03)	2.077E-03	(2.077E-03)
2.512E+00	6.828E-04	(6.827E-04)	6.828E-04	(6.827E-04)	6.828E-04	(6.827E-04)
3.981E+00	2.227E-04	(2.227E-04)	2.227E-04	(2.227E-04)	2.227E-04	(2.227E-04)
6.310E+00	7.192E-05	(7.192E-05)	7.192E-05	(7.192E-05)	7.192E-05	(7.192E-05)
1.000E+01	2.295E-05	(2.295E-05)	2.295E-05	(2.295E-05)	2.295E-05	(2.295E-05)
1.585E+01	7.368E-06	(7.368E-06)	7.368E-06	(7.368E-06)	7.368E-06	(7.368E-06)
2.512E+01	2.384E-06	(2.384E-06)	2.384E-06	(2.384E-06)	2.384E-06	(2.384E-06)
3.981E+01	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)	7.803E-07	(7.803E-07)
6.310E+01	2.595E-07	(2.595E-07)	2.595E-07	(2.595E-07)	2.595E-07	(2.595E-07)
1.000E+02	8.804E-08	(8.804E-08)	8.804E-08	(8.804E-08)	8.804E-08	(8.804E-08)
1.585E+02	3.061E-08	(3.061E-08)	3.061E-08	(3.061E-08)	3.061E-08	(3.061E-08)
2.512E+02	1.092E-08	(1.092E-08)	1.092E-08	(1.092E-08)	1.092E-08	(1.092E-08)
3.981E+02	3.999E-09	(3.999E-09)	3.999E-09	(3.999E-09)	3.999E-09	(3.999E-09)

ELECTRON DENSITY IN CM**(-3) = 1.000E+16 DLAMBDA/DALPHA = 5.808E+01

TEMPERATURE IN K = 1.995E+04

RO/DEBYE (ELECTRONS) = 2.951E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	3.904E+00	(3.904E+00)	3.656E+00	(3.656E+00)	3.557E+00	(3.557E+00)
1.585E-03	3.914E+00	(3.914E+00)	3.668E+00	(3.668E+00)	3.570E+00	(3.570E+00)
2.512E-03	3.929E+00	(3.929E+00)	3.688E+00	(3.688E+00)	3.592E+00	(3.592E+00)
3.981E-03	3.968E+00	(3.968E+00)	3.737E+00	(3.737E+00)	3.646E+00	(3.646E+00)
6.310E-03	4.057E+00	(4.057E+00)	3.851E+00	(3.851E+00)	3.770E+00	(3.770E+00)
1.000E-02	4.241E+00	(4.241E+00)	4.084E+00	(4.084E+00)	4.024E+00	(4.024E+00)
1.585E-02	4.538E+00	(4.538E+00)	4.465E+00	(4.465E+00)	4.438E+00	(4.438E+00)
2.512E-02	4.806E+00	(4.806E+00)	4.828E+00	(4.828E+00)	4.839E+00	(4.839E+00)
3.981E-02	4.562E+00	(4.562E+00)	4.626E+00	(4.626E+00)	4.651E+00	(4.651E+00)
6.310E-02	3.349E+00	(3.349E+00)	3.386E+00	(3.386E+00)	3.399E+00	(3.399E+00)
1.000E-01	1.738E+00	(1.738E+00)	1.749E+00	(1.749E+00)	1.752E+00	(1.752E+00)
1.585E-01	6.724E-01	(6.724E-01)	6.740E-01	(6.740E-01)	6.746E-01	(6.746E-01)
2.512E-01	2.242E-01	(2.242E-01)	2.242E-01	(2.242E-01)	2.241E-01	(2.241E-01)
3.981E-01	7.202E-02	(7.202E-02)	7.197E-02	(7.197E-02)	7.194E-02	(7.194E-02)
6.310E-01	2.301E-02	(2.301E-02)	2.300E-02	(2.300E-02)	2.300E-02	(2.300E-02)
1.000E+00	7.339E-03	(7.339E-03)	7.334E-03	(7.334E-03)	7.336E-03	(7.336E-03)
1.585E+00	2.293E-03	(2.293E-03)	2.293E-03	(2.293E-03)	2.293E-03	(2.293E-03)
2.512E+00	7.196E-04	(7.196E-04)	7.196E-04	(7.196E-04)	7.196E-04	(7.196E-04)
3.981E+00	2.290E-04	(2.290E-04)	2.290E-04	(2.290E-04)	2.290E-04	(2.290E-04)
6.310E+00	7.331E-05	(7.331E-05)	7.331E-05	(7.331E-05)	7.331E-05	(7.331E-05)
1.000E+01	2.364E-05	(2.364E-05)	2.364E-05	(2.364E-05)	2.364E-05	(2.364E-05)
1.585E+01	7.703E-06	(7.703E-06)	7.703E-06	(7.703E-06)	7.703E-06	(7.703E-06)
2.512E+01	2.547E-06	(2.547E-06)	2.547E-06	(2.547E-06)	2.547E-06	(2.547E-06)
3.981E+01	8.579E-07	(8.579E-07)	8.579E-07	(8.579E-07)	8.579E-07	(8.579E-07)
6.310E+01	2.957E-07	(2.957E-07)	2.957E-07	(2.957E-07)	2.957E-07	(2.957E-07)
1.000E+02	1.046E-07	(1.046E-07)	1.046E-07	(1.046E-07)	1.046E-07	(1.046E-07)
1.585E+02	3.798E-08	(3.798E-08)	3.798E-08	(3.798E-08)	3.798E-08	(3.798E-08)
2.512E+02	1.412E-08	(1.412E-08)	1.412E-08	(1.412E-08)	1.412E-08	(1.412E-08)
3.981E+02	5.357E-09	(5.357E-09)	5.357E-09	(5.357E-09)	5.357E-09	(5.357E-09)

ELECTRON DENSITY IN CM**(-3) = 1.000E+16 DLAMBDA/DALPHA = 5.808E+01

TEMPERATURE IN K = 3.981E+04

RO/DEBYE (ELECTRONS) = 2.089E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	3.901E+00	(3.901E+00)	3.612E+00	(3.612E+00)	3.495E+00	(3.495E+00)
1.585E-03	3.912E+00	(3.912E+00)	3.625E+00	(3.625E+00)	3.510E+00	(3.510E+00)
2.512E-03	3.929E+00	(3.929E+00)	3.647E+00	(3.647E+00)	3.535E+00	(3.535E+00)
3.981E-03	3.969E+00	(3.969E+00)	3.700E+00	(3.700E+00)	3.592E+00	(3.592E+00)
6.310E-03	4.063E+00	(4.063E+00)	3.821E+00	(3.821E+00)	3.725E+00	(3.725E+00)
1.000E-02	4.253E+00	(4.253E+00)	4.066E+00	(4.066E+00)	3.993E+00	(3.993E+00)
1.585E-02	4.559E+00	(4.559E+00)	4.464E+00	(4.464E+00)	4.430E+00	(4.430E+00)
2.512E-02	4.836E+00	(4.836E+00)	4.849E+00	(4.849E+00)	4.858E+00	(4.858E+00)
3.981E-02	4.603E+00	(4.603E+00)	4.672E+00	(4.672E+00)	4.701E+00	(4.701E+00)
6.310E-02	3.388E+00	(3.388E+00)	3.433E+00	(3.433E+00)	3.450E+00	(3.450E+00)
1.000E-01	1.745E+00	(1.745E+00)	1.761E+00	(1.761E+00)	1.766E+00	(1.766E+00)
1.585E-01	6.598E-01	(6.598E-01)	6.626E-01	(6.626E-01)	6.635E-01	(6.635E-01)
2.512E-01	2.150E-01	(2.150E-01)	2.151E-01	(2.151E-01)	2.151E-01	(2.151E-01)
3.981E-01	6.812E-02	(6.812E-02)	6.807E-02	(6.807E-02)	6.804E-02	(6.804E-02)
6.310E-01	2.174E-02	(2.174E-02)	2.171E-02	(2.171E-02)	2.170E-02	(2.170E-02)
1.000E+00	6.988E-03	(6.988E-03)	6.981E-03	(6.981E-03)	6.979E-03	(6.979E-03)
1.585E+00	2.213E-03	(2.213E-03)	2.213E-03	(2.213E-03)	2.213E-03	(2.213E-03)
2.512E+00	7.209E-04	(7.209E-04)	7.209E-04	(7.209E-04)	7.209E-04	(7.209E-04)
3.981E+00	2.290E-04	(2.290E-04)	2.290E-04	(2.290E-04)	2.290E-04	(2.290E-04)
6.310E+00	7.331E-05	(7.331E-05)	7.331E-05	(7.331E-05)	7.331E-05	(7.331E-05)
1.000E+01	2.364E-05	(2.364E-05)	2.364E-05	(2.364E-05)	2.364E-05	(2.364E-05)
1.585E+01	7.704E-06	(7.704E-06)	7.704E-06	(7.704E-06)	7.704E-06	(7.704E-06)
2.512E+01	2.547E-06	(2.547E-06)	2.547E-06	(2.547E-06)	2.547E-06	(2.547E-06)
3.981E+01	8.579E-07	(8.579E-07)	8.579E-07	(8.579E-07)	8.579E-07	(8.579E-07)
6.310E+01	2.957E-07	(2.957E-07)	2.957E-07	(2.957E-07)	2.957E-07	(2.957E-07)
1.000E+02	1.046E-07	(1.046E-07)	1.046E-07	(1.046E-07)	1.046E-07	(1.046E-07)
1.585E+02	3.798E-08	(3.798E-08)	3.798E-08	(3.798E-08)	3.798E-08	(3.798E-08)
2.512E+02	1.412E-08	(1.412E-08)	1.412E-08	(1.412E-08)	1.412E-08	(1.412E-08)
3.981E+02	5.357E-09	(5.357E-09)	5.357E-09	(5.357E-09)	5.357E-09	(5.357E-09)

ELECTRON DENSITY IN CM**(-3) = 1.000E+16 DLAMBDA/DALPHA = 5.808E+01

TEMPERATURE IN K = 7.943E+04

R0/DEBYE (ELECTRONS) = 1.479E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	4.012E+00	(4.012E+00)	3.676E+00	(3.676E+00)	3.541E+00	(3.541E+00)
1.585E-03	4.022E+00	(4.022E+00)	3.690E+00	(3.690E+00)	3.557E+00	(3.557E+00)
2.512E-03	4.041E+00	(4.041E+00)	3.714E+00	(3.714E+00)	3.583E+00	(3.583E+00)
3.981E-03	4.084E+00	(4.084E+00)	3.771E+00	(3.771E+00)	3.646E+00	(3.646E+00)
6.310E-03	4.182E+00	(4.182E+00)	3.900E+00	(3.900E+00)	3.787E+00	(3.787E+00)
1.000E-02	4.376E+00	(4.376E+00)	4.156E+00	(4.156E+00)	4.069E+00	(4.069E+00)
1.585E-02	4.675E+00	(4.675E+00)	4.556E+00	(4.556E+00)	4.512E+00	(4.512E+00)
2.512E-02	4.924E+00	(4.924E+00)	4.925E+00	(4.925E+00)	4.930E+00	(4.930E+00)
3.981E-02	4.644E+00	(4.644E+00)	4.713E+00	(4.713E+00)	4.742E+00	(4.742E+00)
6.310E-02	3.393E+00	(3.393E+00)	3.448E+00	(3.448E+00)	3.469E+00	(3.469E+00)
1.000E-01	1.730E+00	(1.730E+00)	1.754E+00	(1.754E+00)	1.762E+00	(1.762E+00)
1.585E-01	6.409E-01	(6.409E-01)	6.459E-01	(6.459E-01)	6.475E-01	(6.475E-01)
2.512E-01	2.047E-01	(2.047E-01)	2.050E-01	(2.050E-01)	2.051E-01	(2.051E-01)
3.981E-01	6.408E-02	(6.408E-02)	6.398E-02	(6.398E-02)	6.080E-02	(6.080E-02)
6.310E-01	2.038E-02	(2.038E-02)	1.957E-02	(1.957E-02)	1.957E-02	(1.957E-02)
1.000E+00	6.573E-03	(6.573E-03)	6.396E-03	(6.396E-03)	6.396E-03	(6.396E-03)
1.585E+00	2.101E-03	(2.101E-03)	2.101E-03	(2.101E-03)	2.101E-03	(2.101E-03)
2.512E+00	6.913E-04	(6.913E-04)	6.913E-04	(6.913E-04)	6.913E-04	(6.913E-04)
3.981E+00	2.261E-04	(2.261E-04)	2.261E-04	(2.261E-04)	2.261E-04	(2.261E-04)
6.310E+00	7.331E-05	(7.331E-05)	7.331E-05	(7.331E-05)	7.331E-05	(7.331E-05)
1.000E+01	2.364E-05	(2.364E-05)	2.364E-05	(2.364E-05)	2.364E-05	(2.364E-05)
1.585E+01	7.704E-06	(7.704E-06)	7.704E-06	(7.704E-06)	7.704E-06	(7.704E-06)
2.512E+01	2.547E-06	(2.547E-06)	2.547E-06	(2.547E-06)	2.547E-06	(2.547E-06)
3.981E+01	8.579E-07	(8.579E-07)	8.579E-07	(8.579E-07)	8.579E-07	(8.579E-07)
6.310E+01	2.957E-07	(2.957E-07)	2.957E-07	(2.957E-07)	2.957E-07	(2.957E-07)
1.000E+02	1.046E-07	(1.046E-07)	1.046E-07	(1.046E-07)	1.046E-07	(1.046E-07)
1.585E+02	3.798E-08	(3.798E-08)	3.798E-08	(3.798E-08)	3.798E-08	(3.798E-08)
2.512E+02	1.412E-08	(1.412E-08)	1.412E-08	(1.412E-08)	1.412E-08	(1.412E-08)
3.981E+02	5.357E-09	(5.357E-09)	5.357E-09	(5.357E-09)	5.357E-09	(5.357E-09)

ELECTRON DENSITY IN CM**(-3) = 3.162E+16 DLAMBDA/DALPHA = 1.251E+02

TEMPERATURE IN K = 1.995E+04
R0/DEBYE (ELECTRONS) = 3.576E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	3.716E+00	(3.716E+00)	3.524E+00	(3.524E+00)	3.450E+00	(3.450E+00)
1.585E-03	3.725E+00	(3.725E+00)	3.536E+00	(3.536E+00)	3.462E+00	(3.462E+00)
2.512E-03	3.741E+00	(3.741E+00)	3.555E+00	(3.555E+00)	3.482E+00	(3.482E+00)
3.981E-03	3.778E+00	(3.778E+00)	3.601E+00	(3.601E+00)	3.532E+00	(3.532E+00)
6.310E-03	3.866E+00	(3.866E+00)	3.708E+00	(3.708E+00)	3.646E+00	(3.646E+00)
1.000E-02	4.052E+00	(4.052E+00)	3.932E+00	(3.932E+00)	3.887E+00	(3.887E+00)
1.585E-02	4.364E+00	(4.364E+00)	4.311E+00	(4.311E+00)	4.292E+00	(4.292E+00)
2.512E-02	4.671E+00	(4.671E+00)	4.694E+00	(4.694E+00)	4.704E+00	(4.704E+00)
3.981E-02	4.486E+00	(4.486E+00)	4.538E+00	(4.538E+00)	4.558E+00	(4.558E+00)
6.310E-02	3.340E+00	(3.340E+00)	3.367E+00	(3.367E+00)	3.377E+00	(3.377E+00)
1.000E-01	1.774E+00	(1.774E+00)	1.780E+00	(1.780E+00)	1.782E+00	(1.782E+00)
1.585E-01	7.050E-01	(7.050E-01)	7.058E-01	(7.058E-01)	7.061E-01	(7.061E-01)
2.512E-01	2.390E-01	(2.390E-01)	2.390E-01	(2.390E-01)	2.390E-01	(2.390E-01)
3.981E-01	7.692E-02	(7.692E-02)	7.690E-02	(7.690E-02)	7.688E-02	(7.688E-02)
6.310E-01	2.438E-02	(2.438E-02)	2.437E-02	(2.437E-02)	2.437E-02	(2.437E-02)
1.000E+00	7.672E-03	(7.672E-03)	7.669E-03	(7.669E-03)	7.668E-03	(7.668E-03)
1.585E+00	2.315E-03	(2.315E-03)	2.316E-03	(2.316E-03)	2.316E-03	(2.316E-03)
2.512E+00	7.317E-04	(7.317E-04)	7.317E-04	(7.317E-04)	7.317E-04	(7.317E-04)
3.981E+00	2.350E-04	(2.350E-04)	2.350E-04	(2.350E-04)	2.350E-04	(2.350E-04)
6.310E+00	7.622E-05	(7.622E-05)	7.622E-05	(7.622E-05)	7.622E-05	(7.622E-05)
1.000E+01	2.506E-05	(2.506E-05)	2.506E-05	(2.506E-05)	2.506E-05	(2.506E-05)
1.585E+01	8.382E-06	(8.382E-06)	8.382E-06	(8.382E-06)	8.382E-06	(8.382E-06)
2.512E+01	2.866E-06	(2.866E-06)	2.866E-06	(2.866E-06)	2.866E-06	(2.866E-06)
3.981E+01	1.005E-06	(1.005E-06)	1.005E-06	(1.005E-06)	1.005E-06	(1.005E-06)
6.310E+01	3.617E-07	(3.617E-07)	3.617E-07	(3.617E-07)	3.617E-07	(3.617E-07)
1.000E+02	1.335E-07	(1.335E-07)	1.335E-07	(1.335E-07)	1.335E-07	(1.335E-07)
1.585E+02	5.033E-08	(5.033E-08)	5.033E-08	(5.033E-08)	5.033E-08	(5.033E-08)
2.512E+02	1.929E-08	(1.929E-08)	1.929E-08	(1.929E-08)	1.929E-08	(1.929E-08)
3.981E+02	7.488E-09	(7.488E-09)	7.488E-09	(7.488E-09)	7.488E-09	(7.488E-09)

ELECTRON DENSITY IN CM**(-3) = 3.162E+16 DLAMBDA/DALPHA = 1.251E+02

TEMPERATURE IN K = 3.981E+04

RO/DEBYE (ELECTRONS) = 2.531E-01

PROTONS

HELIUM+

ARGON+

DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	3.633E+00	(3.633E+00)	3.407E+00	(3.407E+00)	3.318E+00	(3.318E+00)
1.585E-03	3.642E+00	(3.642E+00)	3.418E+00	(3.418E+00)	3.331E+00	(3.331E+00)
2.512E-03	3.659E+00	(3.659E+00)	3.439E+00	(3.439E+00)	3.353E+00	(3.353E+00)
3.981E-03	3.700E+00	(3.700E+00)	3.489E+00	(3.489E+00)	3.407E+00	(3.407E+00)
6.310E-03	3.794E+00	(3.794E+00)	3.605E+00	(3.605E+00)	3.531E+00	(3.531E+00)
1.000E-02	3.990E+00	(3.990E+00)	3.845E+00	(3.845E+00)	3.790E+00	(3.790E+00)
1.585E-02	4.322E+00	(4.322E+00)	4.252E+00	(4.252E+00)	4.227E+00	(4.227E+00)
2.512E-02	4.660E+00	(4.660E+00)	4.678E+00	(4.678E+00)	4.687E+00	(4.687E+00)
3.981E-02	4.517E+00	(4.517E+00)	4.576E+00	(4.576E+00)	4.599E+00	(4.599E+00)
6.310E-02	3.391E+00	(3.391E+00)	3.426E+00	(3.426E+00)	3.438E+00	(3.438E+00)
1.000E-01	1.795E+00	(1.795E+00)	1.805E+00	(1.805E+00)	1.808E+00	(1.808E+00)
1.585E-01	6.986E-01	(6.986E-01)	7.001E-01	(7.001E-01)	7.007E-01	(7.007E-01)
2.512E-01	2.313E-01	(2.313E-01)	2.313E-01	(2.313E-01)	2.313E-01	(2.313E-01)
3.981E-01	7.360E-02	(7.360E-02)	7.353E-02	(7.353E-02)	7.351E-02	(7.351E-02)
6.310E-01	2.335E-02	(2.335E-02)	2.335E-02	(2.335E-02)	2.334E-02	(2.334E-02)
1.000E+00	7.431E-03	(7.431E-03)	7.430E-03	(7.430E-03)	7.428E-03	(7.428E-03)
1.585E+00	2.323E-03	(2.323E-03)	2.323E-03	(2.323E-03)	2.323E-03	(2.323E-03)
2.512E+00	7.318E-04	(7.318E-04)	7.318E-04	(7.318E-04)	7.318E-04	(7.318E-04)
3.981E+00	2.350E-04	(2.350E-04)	2.350E-04	(2.350E-04)	2.350E-04	(2.350E-04)
6.310E+00	7.623E-05	(7.623E-05)	7.623E-05	(7.623E-05)	7.623E-05	(7.623E-05)
1.000E+01	2.506E-05	(2.506E-05)	2.506E-05	(2.506E-05)	2.506E-05	(2.506E-05)
1.585E+01	8.382E-06	(8.382E-06)	8.382E-06	(8.382E-06)	8.382E-06	(8.382E-06)
2.512E+01	2.866E-06	(2.866E-06)	2.866E-06	(2.866E-06)	2.866E-06	(2.866E-06)
3.981E+01	1.005E-06	(1.005E-06)	1.005E-06	(1.005E-06)	1.005E-06	(1.005E-06)
6.310E+01	3.617E-07	(3.617E-07)	3.617E-07	(3.617E-07)	3.617E-07	(3.617E-07)
1.000E+02	1.335E-07	(1.335E-07)	1.335E-07	(1.335E-07)	1.335E-07	(1.335E-07)
1.585E+02	5.033E-08	(5.033E-08)	5.033E-08	(5.033E-08)	5.033E-08	(5.033E-08)
2.512E+02	1.929E-08	(1.929E-08)	1.929E-08	(1.929E-08)	1.929E-08	(1.929E-08)
3.981E+02	7.488E-09	(7.488E-09)	7.488E-09	(7.488E-09)	7.488E-09	(7.488E-09)

ELECTRON DENSITY IN CM**(-3) = 3.162E+16 DLAMBDA/DALPHA = 1.251E+02

TEMPERATURE IN K = 7.943E+04

R0/DEBYE (ELECTRONS) = 1.792E-01

PROTONS			HELIUM+		ARGON+	
DALPHA	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY	CONVOLVED	STARK ONLY
0.000E-01	3.650E+00	(3.650E+00)	3.383E+00	(3.383E+00)	3.277E+00	(3.277E+00)
1.585E-03	3.661E+00	(3.661E+00)	3.396E+00	(3.396E+00)	3.292E+00	(3.292E+00)
2.512E-03	3.679E+00	(3.679E+00)	3.419E+00	(3.419E+00)	3.316E+00	(3.316E+00)
3.981E-03	3.723E+00	(3.723E+00)	3.474E+00	(3.474E+00)	3.376E+00	(3.376E+00)
6.310E-03	3.825E+00	(3.825E+00)	3.600E+00	(3.600E+00)	3.512E+00	(3.512E+00)
1.000E-02	4.035E+00	(4.035E+00)	3.860E+00	(3.860E+00)	3.792E+00	(3.792E+00)
1.585E-02	4.381E+00	(4.381E+00)	4.291E+00	(4.291E+00)	4.258E+00	(4.258E+00)
2.512E-02	4.724E+00	(4.724E+00)	4.736E+00	(4.736E+00)	4.743E+00	(4.743E+00)
3.981E-02	4.572E+00	(4.572E+00)	4.636E+00	(4.636E+00)	4.663E+00	(4.663E+00)
6.310E-02	3.421E+00	(3.421E+00)	3.464E+00	(3.464E+00)	3.480E+00	(3.480E+00)
1.000E-01	1.792E+00	(1.792E+00)	1.807E+00	(1.807E+00)	1.812E+00	(1.812E+00)
1.585E-01	6.813E-01	(6.813E-01)	6.842E-01	(6.842E-01)	6.851E-01	(6.851E-01)
2.512E-01	2.208E-01	(2.208E-01)	2.209E-01	(2.209E-01)	2.209E-01	(2.209E-01)
3.981E-01	6.947E-02	(6.947E-02)	6.559E-02	(6.559E-02)	6.559E-02	(6.559E-02)
6.310E-01	2.207E-02	(2.207E-02)	2.112E-02	(2.112E-02)	2.112E-02	(2.112E-02)
1.000E+00	7.084E-03	(7.084E-03)	6.881E-03	(6.881E-03)	6.881E-03	(6.881E-03)
1.585E+00	2.246E-03	(2.246E-03)	2.246E-03	(2.246E-03)	2.246E-03	(2.246E-03)
2.512E+00	7.321E-04	(7.321E-04)	7.321E-04	(7.321E-04)	7.321E-04	(7.321E-04)
3.981E+00	2.350E-04	(2.350E-04)	2.350E-04	(2.350E-04)	2.350E-04	(2.350E-04)
6.310E+00	7.623E-05	(7.623E-05)	7.623E-05	(7.623E-05)	7.623E-05	(7.623E-05)
1.000E+01	2.506E-05	(2.506E-05)	2.506E-05	(2.506E-05)	2.506E-05	(2.506E-05)
1.585E+01	8.382E-06	(8.382E-06)	8.382E-06	(8.382E-06)	8.382E-06	(8.382E-06)
2.512E+01	2.866E-06	(2.866E-06)	2.866E-06	(2.866E-06)	2.866E-06	(2.866E-06)
3.981E+01	1.005E-06	(1.005E-06)	1.005E-06	(1.005E-06)	1.005E-06	(1.005E-06)
6.310E+01	3.617E-07	(3.617E-07)	3.617E-07	(3.617E-07)	3.617E-07	(3.617E-07)
1.000E+02	1.335E-07	(1.335E-07)	1.335E-07	(1.335E-07)	1.335E-07	(1.335E-07)
1.585E+02	5.033E-08	(5.033E-08)	5.033E-08	(5.033E-08)	5.033E-08	(5.033E-08)
2.512E+02	1.929E-08	(1.929E-08)	1.929E-08	(1.929E-08)	1.929E-08	(1.929E-08)
3.981E+02	7.488E-09	(7.488E-09)	7.488E-09	(7.488E-09)	7.488E-09	(7.488E-09)