

| TABLE 4r - VARIABLE EARTH MASS GROWTH RATES FROM IONIZATIONS of the 8 ELEMENTS | | | | | | | | | | |
|--|---------------------|------------------|----------|----------|---------|--------------------------|--------------|---------------------|--------------|--------------|
| MY | Duration t (CMY) | % total earth | Element | Rate/=eV | y | Mass/y ^t (kg) | % of Current | x (ln 2/ln y) MY | % growing | % heating |
| 0 | 1 | 98.0% | 0 | 0 | 4.01845 | 5.9800E+24 | 100.00% | 49.8346 | 98.0% | 0.0% |
| 19.2 | 0.192 | -1.5% | -Ca | -0.04018 | 3.97827 | 4.5873E+24 | 76.71% | 50.1972 | 96.5% | 1.5% |
| 24.3 | 0.051 | -13.1% | -Mg | -0.57862 | 3.39965 | 4.3098E+24 | 72.07% | 56.6449 | 83.4% | 14.6% |
| 45.9 | 0.216 | -1.4% | -Al | -0.05570 | 3.34395 | 3.3206E+24 | 55.53% | 57.4200 | 82.0% | 16.0% |
| 72.9 | 0.270 | -15.1% | -Si | -0.57722 | 2.76673 | 2.5228E+24 | 42.19% | 68.1114 | 66.9% | 31.1% |
| 82.2 | 0.093 | 1.5% | +Ca | 0.04018 | 2.80691 | 2.2919E+24 | 38.33% | 67.1599 | 68.4% | 29.6% |
| 129.4 | 0.472 | 13.1% | +Mg | 0.57862 | 3.38553 | 1.2889E+24 | 21.55% | 56.8381 | 81.5% | 16.5% |
| 142.2 | 0.128 | -2.9% | -S | -0.09710 | 3.28843 | 1.1067E+24 | 18.51% | 58.2276 | 78.6% | 19.4% |
| 193.7 | 0.515 | 1.4% | +Al | 0.05570 | 3.34413 | 5.9434E+23 | 9.94% | 57.4175 | 80.0% | 18.0% |
| 223.0 | 0.293 | -30.1% | -O x 75% | -1.51476 | 1.82937 | 4.9795E+23 | 8.33% | 114.7649 | 49.9% | 48.1% |
| 243.0 | 0.200 | -32.1% | -Fe | -0.61707 | 1.21230 | 4.7914E+23 | 8.01% | 360.0419 | 17.8% | 80.2% |
| 269.3 | 0.263 | 15.1% | +Si | 0.57722 | 1.78952 | 4.1114E+23 | 6.88% | 119.1087 | 32.9% | 65.1% |
| 341.1 | 0.718 | -1.5% | -Ca | -0.04018 | 1.74934 | 2.7517E+23 | 4.60% | 123.9453 | 31.4% | 66.6% |
| 362.5 | 0.214 | -1.8% | -Ni | -0.03350 | 1.71584 | 2.4515E+23 | 4.10% | 128.3843 | 29.6% | 68.4% |
| 379.5 | 0.170 | 32.1% | +Fe | 0.61707 | 2.33291 | 2.1227E+23 | 3.55% | 81.8245 | 61.7% | 36.3% |
| 453.6 | 0.741 | 2.9% | +S | 0.09710 | 2.43001 | 1.0994E+23 | 1.84% | 78.0663 | 64.6% | 33.4% |
| 518.6 | 0.650 | 1.8% | +Ni | 0.03350 | 2.46351 | 6.1184E+22 | 1.02% | 76.8808 | 66.4% | 31.6% |
| 593.5 | 0.749 | -13.1% | -Mg | -0.57862 | 1.88489 | 3.8059E+22 | 0.64% | 109.3519 | 53.3% | 44.7% |
| 713.8 | 1.203 | -1.4% | -Al | -0.05570 | 1.82919 | 1.8406E+22 | 0.31% | 114.7838 | 51.9% | 46.1% |
| 790.4 | 0.766 | -32.1% | -Fe | -0.61707 | 1.21212 | 1.5884E+22 | 0.27% | 360.3216 | 19.8% | 78.2% |
| 845.3 | 0.549 | -15.1% | -Si | -0.57722 | 0.63490 | 2.0383E+22 | 0.34% | -152.5792 | 4.7% | 93.3% |