model: ../m1_2401a.bin.jcd  T= 3524.76s

| 1-r/R | 1-tau/T | gamma1 | c(cm/s) | p(dyn/cm^2) | den(g/cm^3) | vc(mHz) | N^2(1/s^2) | f0/T | f1/T | f2/T | f3/T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.0000 | 1.0000 | 1.6631 | 5.1112E+007 | 2.3233E+017 | 1.4791E+002 | 0.0000 | 0.0000E+000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.9934 | 0.9974 | 1.6631 | 5.1120E+007 | 2.3165E+017 | 1.4743E+002 | 0.0491 | 1.4099E-007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.9876 | 0.9952 | 1.6631 | 5.1149E+007 | 2.3003E+017 | 1.4623E+002 | 0.0919 | 4.4473E-007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.9817 | 0.9929 | 1.6631 | 5.1193E+007 | 2.2741E+017 | 1.4431E+002 | 0.1344 | 9.3675E-007 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.9757 | 0.9906 | 1.6631 | 5.1252E+007 | 2.2381E+017 | 1.4170E+002 | 0.1763 | 1.5761E-006 | 1.0433 | 0.0000 | 0.0000 | 0.0000 |
| 0.9695 | 0.9882 | 1.6632 | 5.1320E+007 | 2.1922E+017 | 1.3843E+002 | 0.2176 | 2.3284E-006 | 1.0399 | 0.0000 | 0.0000 | 0.0000 |
| 0.9631 | 0.9858 | 1.6632 | 5.1393E+007 | 2.1364E+017 | 1.3453E+002 | 0.2579 | 3.1548E-006 | 1.0368 | 0.0000 | 0.0000 | 0.0000 |
| 0.9566 | 0.9833 | 1.6633 | 5.1465E+007 | 2.0709E+017 | 1.3004E+002 | 0.2973 | 4.0105E-006 | 1.0339 | 0.0000 | 0.0000 | 0.0000 |
| 0.9497 | 0.9806 | 1.6633 | 5.1530E+007 | 1.9958E+017 | 1.2502E+002 | 0.3355 | 4.8516E-006 | 1.0310 | 0.0000 | 0.0000 | 0.0000 |
| 0.9425 | 0.9779 | 1.6634 | 5.1577E+007 | 1.9113E+017 | 1.1951E+002 | 0.3725 | 5.6364E-006 | 1.0280 | 0.0000 | 0.0000 | 0.0000 |
| 0.9349 | 0.9750 | 1.6634 | 5.1598E+007 | 1.8175E+017 | 1.1356E+002 | 0.4081 | 6.3247E-006 | 1.0249 | 1.0373 | 0.0000 | 0.0000 |
| 0.9269 | 0.9719 | 1.6635 | 5.1579E+007 | 1.7151E+017 | 1.0725E+002 | 0.4422 | 6.8872E-006 | 1.0217 | 1.0310 | 0.0000 | 0.0000 |
| 0.9183 | 0.9686 | 1.6636 | 5.1506E+007 | 1.6046E+017 | 1.0062E+002 | 0.4747 | 7.2998E-006 | 1.0182 | 1.0258 | 0.0000 | 0.0000 |
| 0.9092 | 0.9651 | 1.6637 | 5.1364E+007 | 1.4869E+017 | 9.3763E+001 | 0.5055 | 7.5502E-006 | 1.0146 | 1.0209 | 0.0000 | 0.0000 |
| 0.8994 | 0.9613 | 1.6638 | 5.1137E+007 | 1.3634E+017 | 8.6741E+001 | 0.5345 | 7.6384E-006 | 1.0107 | 1.0160 | 1.0371 | 0.0000 |
| 0.8890 | 0.9573 | 1.6639 | 5.0809E+007 | 1.2356E+017 | 7.9639E+001 | 0.5614 | 7.5925E-006 | 1.0065 | 1.0110 | 1.0244 | 0.0000 |
| 0.8778 | 0.9529 | 1.6640 | 5.0366E+007 | 1.1060E+017 | 7.2549E+001 | 0.5862 | 7.4420E-006 | 1.0020 | 1.0059 | 1.0161 | 0.0000 |
| 0.8660 | 0.9483 | 1.6641 | 4.9802E+007 | 9.7733E+016 | 6.5571E+001 | 0.6086 | 7.2359E-006 | 0.9972 | 1.0005 | 1.0087 | 0.0000 |
| 0.8535 | 0.9433 | 1.6642 | 4.9119E+007 | 8.5253E+016 | 5.8805E+001 | 0.6282 | 7.0320E-006 | 0.9920 | 0.9949 | 1.0017 | 1.0172 |
| 0.8405 | 0.9380 | 1.6643 | 4.8328E+007 | 7.3469E+016 | 5.2351E+001 | 0.6449 | 6.8773E-006 | 0.9866 | 0.9891 | 0.9948 | 1.0062 |
| 0.8271 | 0.9325 | 1.6644 | 4.7450E+007 | 6.2620E+016 | 4.6290E+001 | 0.6583 | 6.7882E-006 | 0.9809 | 0.9831 | 0.9880 | 0.9969 |
| 0.8134 | 0.9267 | 1.6645 | 4.6509E+007 | 5.2872E+016 | 4.0683E+001 | 0.6684 | 6.7825E-006 | 0.9749 | 0.9769 | 0.9811 | 0.9885 |
| 0.7995 | 0.9208 | 1.6645 | 4.5532E+007 | 4.4295E+016 | 3.5564E+001 | 0.6751 | 6.8516E-006 | 0.9688 | 0.9705 | 0.9742 | 0.9804 |
| 0.7856 | 0.9147 | 1.6646 | 4.4542E+007 | 3.6882E+016 | 3.0945E+001 | 0.6784 | 6.9642E-006 | 0.9625 | 0.9641 | 0.9673 | 0.9726 |
| 0.7717 | 0.9084 | 1.6647 | 4.3556E+007 | 3.0567E+016 | 2.6822E+001 | 0.6787 | 7.0827E-006 | 0.9561 | 0.9575 | 0.9603 | 0.9650 |
| 0.7578 | 0.9020 | 1.6647 | 4.2587E+007 | 2.5248E+016 | 2.3175E+001 | 0.6762 | 7.1791E-006 | 0.9495 | 0.9508 | 0.9533 | 0.9574 |
| 0.7440 | 0.8956 | 1.6648 | 4.1643E+007 | 2.0808E+016 | 1.9975E+001 | 0.6712 | 7.2461E-006 | 0.9429 | 0.9440 | 0.9463 | 0.9499 |
| 0.7303 | 0.8890 | 1.6648 | 4.0733E+007 | 1.7129E+016 | 1.7187E+001 | 0.6640 | 7.3026E-006 | 0.9361 | 0.9371 | 0.9392 | 0.9424 |
| 0.7167 | 0.8823 | 1.6648 | 3.9862E+007 | 1.4097E+016 | 1.4770E+001 | 0.6550 | 7.3345E-006 | 0.9293 | 0.9302 | 0.9321 | 0.9350 |
| 0.7032 | 0.8756 | 1.6647 | 3.9032E+007 | 1.1609E+016 | 1.2686E+001 | 0.6445 | 7.2919E-006 | 0.9223 | 0.9232 | 0.9249 | 0.9276 |
| 0.6898 | 0.8688 | 1.6646 | 3.8239E+007 | 9.5720E+015 | 1.0896E+001 | 0.6328 | 7.1913E-006 | 0.9154 | 0.9161 | 0.9177 | 0.9201 |
| 0.6767 | 0.8619 | 1.6643 | 3.7484E+007 | 7.9068E+015 | 9.3657E+000 | 0.6202 | 7.0540E-006 | 0.9083 | 0.9090 | 0.9105 | 0.9127 |
| 0.6636 | 0.8549 | 1.6639 | 3.6765E+007 | 6.5465E+015 | 8.0587E+000 | 0.6070 | 6.8902E-006 | 0.9012 | 0.9019 | 0.9032 | 0.9052 |
| 0.6507 | 0.8479 | 1.6635 | 3.6082E+007 | 5.4349E+015 | 6.9442E+000 | 0.5934 | 6.7027E-006 | 0.8941 | 0.8947 | 0.8959 | 0.8977 |
| 0.6379 | 0.8409 | 1.6631 | 3.5434E+007 | 4.5257E+015 | 5.9945E+000 | 0.5796 | 6.4932E-006 | 0.8869 | 0.8874 | 0.8886 | 0.8903 |
| 0.6253 | 0.8338 | 1.6628 | 3.4819E+007 | 3.7808E+015 | 5.1854E+000 | 0.5658 | 6.2674E-006 | 0.8796 | 0.8802 | 0.8812 | 0.8828 |
| 0.6129 | 0.8267 | 1.6627 | 3.4235E+007 | 3.1692E+015 | 4.4959E+000 | 0.5521 | 6.0284E-006 | 0.8724 | 0.8729 | 0.8738 | 0.8753 |
| 0.6006 | 0.8195 | 1.6628 | 3.3680E+007 | 2.6657E+015 | 3.9078E+000 | 0.5387 | 5.7806E-006 | 0.8651 | 0.8655 | 0.8664 | 0.8678 |
| 0.5884 | 0.8123 | 1.6631 | 3.3150E+007 | 2.2502E+015 | 3.4056E+000 | 0.5256 | 5.5294E-006 | 0.8578 | 0.8582 | 0.8590 | 0.8603 |
| 0.5764 | 0.8051 | 1.6636 | 3.2642E+007 | 1.9061E+015 | 2.9760E+000 | 0.5128 | 5.2780E-006 | 0.8505 | 0.8508 | 0.8516 | 0.8528 |
| 0.5645 | 0.7979 | 1.6642 | 3.2154E+007 | 1.6202E+015 | 2.6079E+000 | 0.5005 | 5.0310E-006 | 0.8431 | 0.8435 | 0.8442 | 0.8453 |
| 0.5528 | 0.7906 | 1.6648 | 3.1683E+007 | 1.3819E+015 | 2.2918E+000 | 0.4886 | 4.7920E-006 | 0.8357 | 0.8361 | 0.8368 | 0.8378 |
| 0.5412 | 0.7833 | 1.6653 | 3.1228E+007 | 1.1827E+015 | 2.0195E+000 | 0.4772 | 4.5639E-006 | 0.8284 | 0.8287 | 0.8293 | 0.8303 |

model: ../m1_2401a.bin.jcd  T=  3524.7642

| 1-r/R | 1-tau/T | gamma1 | c(cm/s) | p(dyn/cm^2) | den(g/cm^3) | vc(mHz) | N^2(1/s^2) | f0/T | f1/T | f2/T | f3/T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.5297 | 0.7760 | 1.6657 | 3.0787E+007 | 1.0154E+015 | 1.7845E+000 | 0.4662 | 4.3474E-006 | 0.8210 | 0.8213 | 0.8219 | 0.8228 |
| 0.5184 | 0.7687 | 1.6661 | 3.0359E+007 | 8.7463E+014 | 1.5810E+000 | 0.4556 | 4.1427E-006 | 0.8136 | 0.8139 | 0.8144 | 0.8153 |
| 0.5072 | 0.7614 | 1.6663 | 2.9943E+007 | 7.5568E+014 | 1.4044E+000 | 0.4455 | 3.9493E-006 | 0.8062 | 0.8064 | 0.8070 | 0.8078 |
| 0.4962 | 0.7540 | 1.6665 | 2.9540E+007 | 6.5486E+014 | 1.2507E+000 | 0.4358 | 3.7663E-006 | 0.7987 | 0.7990 | 0.7995 | 0.8003 |
| 0.4853 | 0.7467 | 1.6665 | 2.9147E+007 | 5.6913E+014 | 1.1165E+000 | 0.4265 | 3.5932E-006 | 0.7913 | 0.7915 | 0.7920 | 0.7927 |
| 0.4745 | 0.7393 | 1.6665 | 2.8764E+007 | 4.9600E+014 | 9.9903E-001 | 0.4176 | 3.4289E-006 | 0.7839 | 0.7841 | 0.7845 | 0.7852 |
| 0.4638 | 0.7320 | 1.6664 | 2.8392E+007 | 4.3342E+014 | 8.9601E-001 | 0.4091 | 3.2725E-006 | 0.7764 | 0.7767 | 0.7771 | 0.7777 |
| 0.4533 | 0.7246 | 1.6663 | 2.8028E+007 | 3.7971E+014 | 8.0541E-001 | 0.4010 | 3.1232E-006 | 0.7690 | 0.7692 | 0.7696 | 0.7702 |
| 0.4429 | 0.7172 | 1.6662 | 2.7673E+007 | 3.3347E+014 | 7.2555E-001 | 0.3933 | 2.9804E-006 | 0.7616 | 0.7617 | 0.7621 | 0.7627 |
| 0.4326 | 0.7098 | 1.6660 | 2.7325E+007 | 2.9356E+014 | 6.5498E-001 | 0.3859 | 2.8433E-006 | 0.7541 | 0.7543 | 0.7546 | 0.7552 |
| 0.4225 | 0.7024 | 1.6658 | 2.6985E+007 | 2.5900E+014 | 5.9249E-001 | 0.3789 | 2.7112E-006 | 0.7466 | 0.7468 | 0.7471 | 0.7476 |
| 0.4124 | 0.6950 | 1.6656 | 2.6650E+007 | 2.2901E+014 | 5.3704E-001 | 0.3722 | 2.5839E-006 | 0.7392 | 0.7393 | 0.7397 | 0.7401 |
| 0.4025 | 0.6876 | 1.6654 | 2.6321E+007 | 2.0290E+014 | 4.8773E-001 | 0.3659 | 2.4603E-006 | 0.7317 | 0.7319 | 0.7322 | 0.7326 |
| 0.3927 | 0.6802 | 1.6652 | 2.5997E+007 | 1.8012E+014 | 4.4380E-001 | 0.3599 | 2.3399E-006 | 0.7243 | 0.7244 | 0.7247 | 0.7251 |
| 0.3830 | 0.6728 | 1.6650 | 2.5676E+007 | 1.6019E+014 | 4.0457E-001 | 0.3542 | 2.2221E-006 | 0.7168 | 0.7169 | 0.7172 | 0.7176 |
| 0.3734 | 0.6654 | 1.6648 | 2.5358E+007 | 1.4272E+014 | 3.6949E-001 | 0.3488 | 2.1060E-006 | 0.7093 | 0.7094 | 0.7097 | 0.7101 |
| 0.3639 | 0.6580 | 1.6646 | 2.5042E+007 | 1.2736E+014 | 3.3807E-001 | 0.3437 | 1.9907E-006 | 0.7018 | 0.7020 | 0.7022 | 0.7025 |
| 0.3546 | 0.6505 | 1.6644 | 2.4728E+007 | 1.1384E+014 | 3.0987E-001 | 0.3390 | 1.8751E-006 | 0.6944 | 0.6945 | 0.6947 | 0.6950 |
| 0.3453 | 0.6431 | 1.6643 | 2.4413E+007 | 1.0189E+014 | 2.8454E-001 | 0.3346 | 1.7582E-006 | 0.6869 | 0.6870 | 0.6872 | 0.6875 |
| 0.3362 | 0.6357 | 1.6641 | 2.4097E+007 | 9.1328E+013 | 2.6174E-001 | 0.3305 | 1.6392E-006 | 0.6794 | 0.6795 | 0.6797 | 0.6800 |
| 0.3272 | 0.6282 | 1.6639 | 2.3778E+007 | 8.1960E+013 | 2.4121E-001 | 0.3267 | 1.5152E-006 | 0.6719 | 0.6720 | 0.6722 | 0.6725 |
| 0.3183 | 0.6208 | 1.6638 | 2.3455E+007 | 7.3638E+013 | 2.2270E-001 | 0.3232 | 1.3828E-006 | 0.6644 | 0.6645 | 0.6647 | 0.6650 |
| 0.3095 | 0.6134 | 1.6636 | 2.3127E+007 | 6.6229E+013 | 2.0601E-001 | 0.3201 | 1.2375E-006 | 0.6570 | 0.6570 | 0.6572 | 0.6574 |
| 0.3009 | 0.6059 | 1.6635 | 2.2789E+007 | 5.9620E+013 | 1.9097E-001 | 0.3174 | 1.0735E-006 | 0.6495 | 0.6495 | 0.6497 | 0.6499 |
| 0.2923 | 0.5985 | 1.6633 | 2.2439E+007 | 5.3713E+013 | 1.7744E-001 | 0.3152 | 8.8026E-007 | 0.6420 | 0.6420 | 0.6422 | 0.6424 |
| 0.2839 | 0.5910 | 1.6632 | 2.2072E+007 | 4.8421E+013 | 1.6531E-001 | 0.3134 | 6.4463E-007 | 0.6345 | 0.6346 | 0.6347 | 0.6349 |
| 0.2757 | 0.5836 | 1.6631 | 2.1682E+007 | 4.3669E+013 | 1.5448E-001 | 0.3122 | 3.6064E-007 | 0.6270 | 0.6271 | 0.6272 | 0.6274 |
| 0.2681 | 0.5766 | 1.6629 | 2.1288E+007 | 3.9643E+013 | 1.4546E-001 | 0.3118 | 0.0000E+000 | 0.6199 | 0.6200 | 0.6201 | 0.6203 |
| 0.2596 | 0.5686 | 1.6628 | 2.0829E+007 | 3.5535E+013 | 1.3620E-001 | 0.3119 | -8.7742E-013 | 0.6120 | 0.6120 | 0.6122 | 0.6123 |
| 0.2518 | 0.5612 | 1.6627 | 2.0404E+007 | 3.2054E+013 | 1.2801E-001 | 0.3121 | -1.4107E-012 | 0.6045 | 0.6045 | 0.6046 | 0.6048 |
| 0.2442 | 0.5537 | 1.6626 | 1.9988E+007 | 2.8909E+013 | 1.2030E-001 | 0.3126 | -1.9068E-012 | 0.5970 | 0.5970 | 0.5971 | 0.5973 |
| 0.2367 | 0.5462 | 1.6624 | 1.9580E+007 | 2.6068E+013 | 1.1304E-001 | 0.3132 | -2.4192E-012 | 0.5895 | 0.5895 | 0.5896 | 0.5898 |
| 0.2294 | 0.5388 | 1.6624 | 1.9179E+007 | 2.3500E+013 | 1.0621E-001 | 0.3140 | -2.9331E-012 | 0.5820 | 0.5820 | 0.5821 | 0.5822 |
| 0.2222 | 0.5313 | 1.6623 | 1.8785E+007 | 2.1179E+013 | 9.9765E-002 | 0.3150 | -3.4564E-012 | 0.5745 | 0.5745 | 0.5746 | 0.5747 |
| 0.2152 | 0.5238 | 1.6622 | 1.8398E+007 | 1.9080E+013 | 9.3694E-002 | 0.3161 | -3.9969E-012 | 0.5670 | 0.5670 | 0.5671 | 0.5672 |
| 0.2083 | 0.5164 | 1.6622 | 1.8018E+007 | 1.7182E+013 | 8.7970E-002 | 0.3175 | -4.5573E-012 | 0.5594 | 0.5595 | 0.5596 | 0.5597 |
| 0.2016 | 0.5089 | 1.6622 | 1.7644E+007 | 1.5465E+013 | 8.2572E-002 | 0.3190 | -5.1376E-012 | 0.5519 | 0.5520 | 0.5520 | 0.5521 |
| 0.1950 | 0.5014 | 1.6622 | 1.7276E+007 | 1.3913E+013 | 7.7480E-002 | 0.3207 | -5.7651E-012 | 0.5444 | 0.5445 | 0.5445 | 0.5446 |
| 0.1885 | 0.4940 | 1.6623 | 1.6914E+007 | 1.2509E+013 | 7.2677E-002 | 0.3226 | -6.4510E-012 | 0.5369 | 0.5369 | 0.5370 | 0.5371 |
| 0.1822 | 0.4865 | 1.6624 | 1.6558E+007 | 1.1239E+013 | 6.8145E-002 | 0.3247 | -7.1959E-012 | 0.5294 | 0.5294 | 0.5295 | 0.5296 |
| 0.1760 | 0.4791 | 1.6626 | 1.6208E+007 | 1.0091E+013 | 6.3869E-002 | 0.3270 | -8.0071E-012 | 0.5219 | 0.5219 | 0.5220 | 0.5221 |
| 0.1699 | 0.4716 | 1.6629 | 1.5862E+007 | 9.0533E+012 | 5.9834E-002 | 0.3295 | -8.9207E-012 | 0.5144 | 0.5144 | 0.5145 | 0.5145 |
| 0.1640 | 0.4641 | 1.6632 | 1.5521E+007 | 8.1154E+012 | 5.6026E-002 | 0.3322 | -9.9460E-012 | 0.5069 | 0.5069 | 0.5070 | 0.5070 |

model: ../m1_2401a.bin.jcd  T=  3524.7642

| 1-r/R | 1-tau/T | gamma1 | c(cm/s) | p(dyn/cm^2) | den(g/cm^3) | vc(mHz) | N^2(1/s^2) | f0/T | f1/T | f2/T | f3/T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.1582 | 0.4567 | 1.6634 | 1.5185E+007 | 7.2682E+012 | 5.2432E-002 | 0.3351 | -1.1097E-011 | 0.4994 | 0.4994 | 0.4994 | 0.4995 |
| 0.1525 | 0.4492 | 1.6637 | 1.4853E+007 | 6.5031E+012 | 4.9041E-002 | 0.3382 | -1.2390E-011 | 0.4919 | 0.4919 | 0.4919 | 0.4920 |
| 0.1470 | 0.4418 | 1.6640 | 1.4525E+007 | 5.8125E+012 | 4.5841E-002 | 0.3416 | -1.3858E-011 | 0.4844 | 0.4844 | 0.4844 | 0.4845 |
| 0.1416 | 0.4343 | 1.6642 | 1.4201E+007 | 5.1895E+012 | 4.2822E-002 | 0.3452 | -1.5517E-011 | 0.4769 | 0.4769 | 0.4769 | 0.4770 |
| 0.1363 | 0.4268 | 1.6643 | 1.3881E+007 | 4.6279E+012 | 3.9974E-002 | 0.3490 | -1.7396E-011 | 0.4694 | 0.4694 | 0.4694 | 0.4695 |
| 0.1311 | 0.4194 | 1.6644 | 1.3564E+007 | 4.1219E+012 | 3.7288E-002 | 0.3530 | -1.9527E-011 | 0.4619 | 0.4619 | 0.4619 | 0.4620 |
| 0.1261 | 0.4120 | 1.6645 | 1.3251E+007 | 3.6663E+012 | 3.4754E-002 | 0.3573 | -2.1959E-011 | 0.4544 | 0.4544 | 0.4544 | 0.4545 |
| 0.1211 | 0.4045 | 1.6645 | 1.2942E+007 | 3.2566E+012 | 3.2366E-002 | 0.3618 | -2.4732E-011 | 0.4469 | 0.4469 | 0.4469 | 0.4470 |
| 0.1163 | 0.3971 | 1.6646 | 1.2635E+007 | 2.8884E+012 | 3.0115E-002 | 0.3667 | -2.7914E-011 | 0.4394 | 0.4394 | 0.4394 | 0.4395 |
| 0.1116 | 0.3896 | 1.6646 | 1.2332E+007 | 2.5578E+012 | 2.7994E-002 | 0.3718 | -3.1568E-011 | 0.4319 | 0.4319 | 0.4319 | 0.4320 |
| 0.1070 | 0.3822 | 1.6646 | 1.2033E+007 | 2.2613E+012 | 2.5997E-002 | 0.3773 | -3.5782E-011 | 0.4244 | 0.4244 | 0.4244 | 0.4245 |
| 0.1026 | 0.3748 | 1.6646 | 1.1737E+007 | 1.9957E+012 | 2.4117E-002 | 0.3830 | -4.0656E-011 | 0.4169 | 0.4169 | 0.4170 | 0.4170 |
| 0.0982 | 0.3674 | 1.6647 | 1.1443E+007 | 1.7580E+012 | 2.2348E-002 | 0.3891 | -4.6312E-011 | 0.4094 | 0.4095 | 0.4095 | 0.4095 |
| 0.0940 | 0.3600 | 1.6647 | 1.1153E+007 | 1.5456E+012 | 2.0684E-002 | 0.3956 | -5.2892E-011 | 0.4020 | 0.4020 | 0.4020 | 0.4020 |
| 0.0899 | 0.3526 | 1.6647 | 1.0865E+007 | 1.3560E+012 | 1.9121E-002 | 0.4025 | -6.0583E-011 | 0.3945 | 0.3945 | 0.3945 | 0.3946 |
| 0.0858 | 0.3452 | 1.6646 | 1.0580E+007 | 1.1872E+012 | 1.7653E-002 | 0.4097 | -6.9581E-011 | 0.3870 | 0.3870 | 0.3871 | 0.3871 |
| 0.0819 | 0.3378 | 1.6644 | 1.0298E+007 | 1.0369E+012 | 1.6275E-002 | 0.4174 | -8.0186E-011 | 0.3796 | 0.3796 | 0.3796 | 0.3796 |
| 0.0782 | 0.3304 | 1.6641 | 1.0018E+007 | 9.0355E+011 | 1.4982E-002 | 0.4255 | -9.2695E-011 | 0.3721 | 0.3721 | 0.3722 | 0.3722 |
| 0.0745 | 0.3231 | 1.6637 | 9.7404E+006 | 7.8531E+011 | 1.3771E-002 | 0.4341 | -1.0749E-010 | 0.3647 | 0.3647 | 0.3647 | 0.3647 |
| 0.0709 | 0.3157 | 1.6632 | 9.4652E+006 | 6.8074E+011 | 1.2638E-002 | 0.4432 | -1.2508E-010 | 0.3573 | 0.3573 | 0.3573 | 0.3573 |
| 0.0674 | 0.3084 | 1.6625 | 9.1923E+006 | 5.8842E+011 | 1.1577E-002 | 0.4528 | -1.4609E-010 | 0.3498 | 0.3498 | 0.3498 | 0.3499 |
| 0.0641 | 0.3010 | 1.6616 | 8.9216E+006 | 5.0712E+011 | 1.0587E-002 | 0.4630 | -1.7126E-010 | 0.3424 | 0.3424 | 0.3424 | 0.3424 |
| 0.0608 | 0.2937 | 1.6605 | 8.6532E+006 | 4.3570E+011 | 9.6620E-003 | 0.4737 | -2.0154E-010 | 0.3350 | 0.3350 | 0.3350 | 0.3350 |
| 0.0577 | 0.2864 | 1.6591 | 8.3870E+006 | 3.7311E+011 | 8.8002E-003 | 0.4851 | -2.3812E-010 | 0.3276 | 0.3276 | 0.3276 | 0.3276 |
| 0.0546 | 0.2791 | 1.6573 | 8.1229E+006 | 3.1842E+011 | 7.9980E-003 | 0.4972 | -2.8250E-010 | 0.3202 | 0.3202 | 0.3202 | 0.3202 |
| 0.0517 | 0.2719 | 1.6551 | 7.8609E+006 | 2.7077E+011 | 7.2523E-003 | 0.5099 | -3.3656E-010 | 0.3128 | 0.3129 | 0.3129 | 0.3129 |
| 0.0488 | 0.2646 | 1.6524 | 7.6011E+006 | 2.2939E+011 | 6.5602E-003 | 0.5233 | -4.0269E-010 | 0.3055 | 0.3055 | 0.3055 | 0.3055 |
| 0.0461 | 0.2574 | 1.6491 | 7.3437E+006 | 1.9357E+011 | 5.9190E-003 | 0.5375 | -4.8394E-010 | 0.2981 | 0.2982 | 0.2982 | 0.2982 |
| 0.0435 | 0.2502 | 1.6453 | 7.0889E+006 | 1.6267E+011 | 5.3259E-003 | 0.5525 | -5.8437E-010 | 0.2908 | 0.2908 | 0.2908 | 0.2908 |
| 0.0409 | 0.2430 | 1.6410 | 6.8369E+006 | 1.3611E+011 | 4.7786E-003 | 0.5684 | -7.0889E-010 | 0.2835 | 0.2835 | 0.2835 | 0.2835 |
| 0.0385 | 0.2359 | 1.6357 | 6.5873E+006 | 1.1339E+011 | 4.2745E-003 | 0.5851 | -8.6367E-010 | 0.2762 | 0.2762 | 0.2762 | 0.2762 |
| 0.0362 | 0.2287 | 1.6290 | 6.3395E+006 | 9.4026E+010 | 3.8112E-003 | 0.6026 | -1.0567E-009 | 0.2690 | 0.2690 | 0.2690 | 0.2690 |
| 0.0340 | 0.2216 | 1.6204 | 6.0936E+006 | 7.7602E+010 | 3.3865E-003 | 0.6207 | -1.2972E-009 | 0.2617 | 0.2617 | 0.2617 | 0.2617 |
| 0.0318 | 0.2146 | 1.6098 | 5.8503E+006 | 6.3744E+010 | 2.9982E-003 | 0.6395 | -1.5979E-009 | 0.2545 | 0.2545 | 0.2545 | 0.2545 |
| 0.0298 | 0.2076 | 1.5977 | 5.6114E+006 | 5.2111E+010 | 2.6442E-003 | 0.6589 | -1.9747E-009 | 0.2473 | 0.2473 | 0.2474 | 0.2474 |
| 0.0279 | 0.2006 | 1.5850 | 5.3787E+006 | 4.2394E+010 | 2.3226E-003 | 0.6792 | -2.4512E-009 | 0.2402 | 0.2402 | 0.2402 | 0.2402 |
| 0.0260 | 0.1937 | 1.5729 | 5.1545E+006 | 3.4318E+010 | 2.0316E-003 | 0.7007 | -3.0598E-009 | 0.2331 | 0.2331 | 0.2331 | 0.2331 |
| 0.0243 | 0.1869 | 1.5628 | 4.9405E+006 | 2.7638E+010 | 1.7696E-003 | 0.7238 | -3.8478E-009 | 0.2260 | 0.2260 | 0.2260 | 0.2260 |
| 0.0226 | 0.1800 | 1.5565 | 4.7379E+006 | 2.2134E+010 | 1.5347E-003 | 0.7491 | -4.8879E-009 | 0.2190 | 0.2190 | 0.2190 | 0.2190 |
| 0.0210 | 0.1733 | 1.5550 | 4.5466E+006 | 1.7618E+010 | 1.3253E-003 | 0.7774 | -6.2868E-009 | 0.2120 | 0.2120 | 0.2120 | 0.2120 |
| 0.0195 | 0.1666 | 1.5592 | 4.3652E+006 | 1.3926E+010 | 1.1396E-003 | 0.8094 | -8.2007E-009 | 0.2051 | 0.2051 | 0.2051 | 0.2051 |
| 0.0181 | 0.1600 | 1.5681 | 4.1901E+006 | 1.0923E+010 | 9.7559E-004 | 0.8455 | -1.0849E-008 | 0.1982 | 0.1982 | 0.1982 | 0.1982 |
| 0.0167 | 0.1534 | 1.5785 | 4.0155E+006 | 8.4935E+009 | 8.3149E-004 | 0.8857 | -1.4520E-008 | 0.1913 | 0.1913 | 0.1913 | 0.1913 |

model: ../m1_2401a.bin.jcd  T=  3524.7642

| 1-r/R | 1-tau/T | gamma1 | c(cm/s) | p(dyn/cm^2) | den(g/cm^3) | vc(mHz) | N^2(1/s^2) | f0/T | f1/T | f2/T | f3/T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0154 | 0.1469 | 1.5849 | 3.8351E+006 | 6.5446E+009 | 7.0524E-004 | 0.9287 | -1.9550E-008 | 0.1845 | 0.1845 | 0.1845 | 0.1845 |
| 0.0142 | 0.1405 | 1.5820 | 3.6457E+006 | 4.9984E+009 | 5.9495E-004 | 0.9728 | -2.6341E-008 | 0.1778 | 0.1778 | 0.1778 | 0.1778 |
| 0.0131 | 0.1342 | 1.5676 | 3.4495E+006 | 3.7868E+009 | 4.9889E-004 | 1.0164 | -3.5348E-008 | 0.1711 | 0.1711 | 0.1711 | 0.1711 |
| 0.0120 | 0.1280 | 1.5435 | 3.2532E+006 | 2.8499E+009 | 4.1564E-004 | 1.0589 | -4.7144E-008 | 0.1645 | 0.1645 | 0.1645 | 0.1645 |
| 0.0110 | 0.1220 | 1.5137 | 3.0640E+006 | 2.1331E+009 | 3.4392E-004 | 1.1004 | -6.2524E-008 | 0.1580 | 0.1580 | 0.1580 | 0.1580 |
| 0.0102 | 0.1161 | 1.4824 | 2.8875E+006 | 1.5899E+009 | 2.8269E-004 | 1.1415 | -8.2594E-008 | 0.1517 | 0.1517 | 0.1517 | 0.1517 |
| 0.0093 | 0.1103 | 1.4530 | 2.7261E+006 | 1.1806E+009 | 2.3083E-004 | 1.1831 | -1.0896E-007 | 0.1454 | 0.1454 | 0.1454 | 0.1454 |
| 0.0086 | 0.1047 | 1.4272 | 2.5802E+006 | 8.7376E+008 | 1.8732E-004 | 1.2260 | -1.4404E-007 | 0.1392 | 0.1392 | 0.1392 | 0.1392 |
| 0.0079 | 0.0991 | 1.4056 | 2.4482E+006 | 6.4447E+008 | 1.5113E-004 | 1.2707 | -1.9099E-007 | 0.1332 | 0.1332 | 0.1332 | 0.1332 |
| 0.0072 | 0.0938 | 1.3876 | 2.3283E+006 | 4.7396E+008 | 1.2132E-004 | 1.3173 | -2.5410E-007 | 0.1272 | 0.1272 | 0.1272 | 0.1272 |
| 0.0066 | 0.0886 | 1.3720 | 2.2178E+006 | 3.4735E+008 | 9.6889E-005 | 1.3657 | -3.3906E-007 | 0.1214 | 0.1214 | 0.1214 | 0.1214 |
| 0.0061 | 0.0835 | 1.3577 | 2.1149E+006 | 2.5368E+008 | 7.7001E-005 | 1.4156 | -4.5301E-007 | 0.1156 | 0.1156 | 0.1156 | 0.1156 |
| 0.0055 | 0.0785 | 1.3437 | 2.0185E+006 | 1.8477E+008 | 6.0937E-005 | 1.4664 | -6.0487E-007 | 0.1100 | 0.1100 | 0.1100 | 0.1100 |
| 0.0051 | 0.0737 | 1.3299 | 1.9282E+006 | 1.3430E+008 | 4.8038E-005 | 1.5178 | -8.0657E-007 | 0.1044 | 0.1044 | 0.1044 | 0.1044 |
| 0.0046 | 0.0690 | 1.3161 | 1.8434E+006 | 9.7380E+007 | 3.7714E-005 | 1.5698 | -1.0744E-006 | 0.0989 | 0.0989 | 0.0989 | 0.0989 |
| 0.0042 | 0.0644 | 1.3026 | 1.7641E+006 | 7.0477E+007 | 2.9499E-005 | 1.6222 | -1.4295E-006 | 0.0935 | 0.0935 | 0.0935 | 0.0935 |
| 0.0038 | 0.0599 | 1.2897 | 1.6900E+006 | 5.0921E+007 | 2.2993E-005 | 1.6752 | -1.9011E-006 | 0.0882 | 0.0882 | 0.0882 | 0.0882 |
| 0.0035 | 0.0556 | 1.2776 | 1.6210E+006 | 3.6766E+007 | 1.7876E-005 | 1.7289 | -2.5261E-006 | 0.0830 | 0.0830 | 0.0830 | 0.0830 |
| 0.0031 | 0.0514 | 1.2663 | 1.5566E+006 | 2.6526E+007 | 1.3863E-005 | 1.7833 | -3.3560E-006 | 0.0778 | 0.0778 | 0.0778 | 0.0778 |
| 0.0028 | 0.0473 | 1.2558 | 1.4963E+006 | 1.9126E+007 | 1.0729E-005 | 1.8387 | -4.4591E-006 | 0.0727 | 0.0727 | 0.0727 | 0.0727 |
| 0.0025 | 0.0434 | 1.2462 | 1.4394E+006 | 1.3766E+007 | 8.2805E-006 | 1.8956 | -5.9345E-006 | 0.0676 | 0.0676 | 0.0676 | 0.0676 |
| 0.0022 | 0.0395 | 1.2373 | 1.3858E+006 | 9.9096E+006 | 6.3849E-006 | 1.9538 | -7.9013E-006 | 0.0626 | 0.0626 | 0.0626 | 0.0626 |
| 0.0020 | 0.0358 | 1.2292 | 1.3349E+006 | 7.1295E+006 | 4.9180E-006 | 2.0139 | -1.0537E-005 | 0.0576 | 0.0576 | 0.0576 | 0.0576 |
| 0.0017 | 0.0321 | 1.2217 | 1.2861E+006 | 5.1209E+006 | 3.7824E-006 | 2.0766 | -1.4098E-005 | 0.0526 | 0.0526 | 0.0526 | 0.0526 |
| 0.0015 | 0.0286 | 1.2150 | 1.2393E+006 | 3.6784E+006 | 2.9101E-006 | 2.1423 | -1.8914E-005 | 0.0476 | 0.0476 | 0.0476 | 0.0476 |
| 0.0013 | 0.0251 | 1.2090 | 1.1938E+006 | 2.6408E+006 | 2.2402E-006 | 2.2120 | -2.5493E-005 | 0.0426 | 0.0426 | 0.0426 | 0.0426 |
| 0.0011 | 0.0218 | 1.2039 | 1.1492E+006 | 1.8937E+006 | 1.7261E-006 | 2.2871 | -3.4608E-005 | 0.0376 | 0.0376 | 0.0376 | 0.0376 |
| 0.0009 | 0.0186 | 1.1997 | 1.1049E+006 | 1.3560E+006 | 1.3324E-006 | 2.3696 | -4.7469E-005 | 0.0324 | 0.0324 | 0.0324 | 0.0324 |
| 0.0007 | 0.0154 | 1.1971 | 1.0607E+006 | 9.7124E+005 | 1.0335E-006 | 2.4623 | -6.5975E-005 | 0.0272 | 0.0272 | 0.0272 | 0.0272 |
| 0.0006 | 0.0124 | 1.1969 | 1.0152E+006 | 6.9307E+005 | 8.0484E-007 | 2.5713 | -9.4095E-005 | 0.0216 | 0.0216 | 0.0216 | 0.0216 |
| 0.0004 | 0.0095 | 1.2019 | 9.6837E+005 | 4.9400E+005 | 6.3315E-007 | 2.7061 | -1.3967E-004 | 0.0155 | 0.0155 | 0.0155 | 0.0155 |
| 0.0003 | 0.0067 | 1.2209 | 9.1929E+005 | 3.5009E+005 | 5.0576E-007 | 2.8949 | -2.2648E-004 | 0.0076 | 0.0076 | 0.0076 | 0.0076 |
| 0.0002 | 0.0041 | 1.2992 | 8.7107E+005 | 2.4467E+005 | 4.1894E-007 | 3.2504 | -4.7049E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.0001 | 0.0015 | 1.6180 | 8.1602E+005 | 1.6083E+005 | 3.9078E-007 | 4.3201 | -4.1688E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0000 | -0.0008 | 1.6585 | 7.6540E+005 | 9.9197E+004 | 2.8083E-007 | 4.7203 | 4.7203E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0001 | -0.0031 | 1.6626 | 7.3778E+005 | 6.0803E+004 | 1.8572E-007 | 4.9081 | 6.0334E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0002 | -0.0053 | 1.6626 | 7.1415E+005 | 3.7411E+004 | 1.2196E-007 | 5.0697 | 6.6514E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0003 | -0.0074 | 1.6623 | 6.9620E+005 | 2.2910E+004 | 7.8569E-008 | 5.1986 | 8.2016E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0003 | -0.0095 | 1.6621 | 6.8640E+005 | 1.4098E+004 | 4.9735E-008 | 5.2714 | 9.4466E-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0004 | -0.0116 | 1.6619 | 6.8159E+005 | 8.6571E+003 | 3.0968E-008 | 5.3072 | 1.0148E-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0005 | -0.0137 | 1.6617 | 6.7935E+005 | 5.2862E+003 | 1.9033E-008 | 5.3234 | 1.0495E-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0006 | -0.0158 | 1.6617 | 6.7840E+005 | 3.2542E+003 | 1.1749E-008 | 5.3301 | 1.0653E-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0006 | -0.0178 | 1.6618 | 6.7804E+005 | 1.9845E+003 | 7.1735E-009 | 5.3325 | 1.0727E-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |