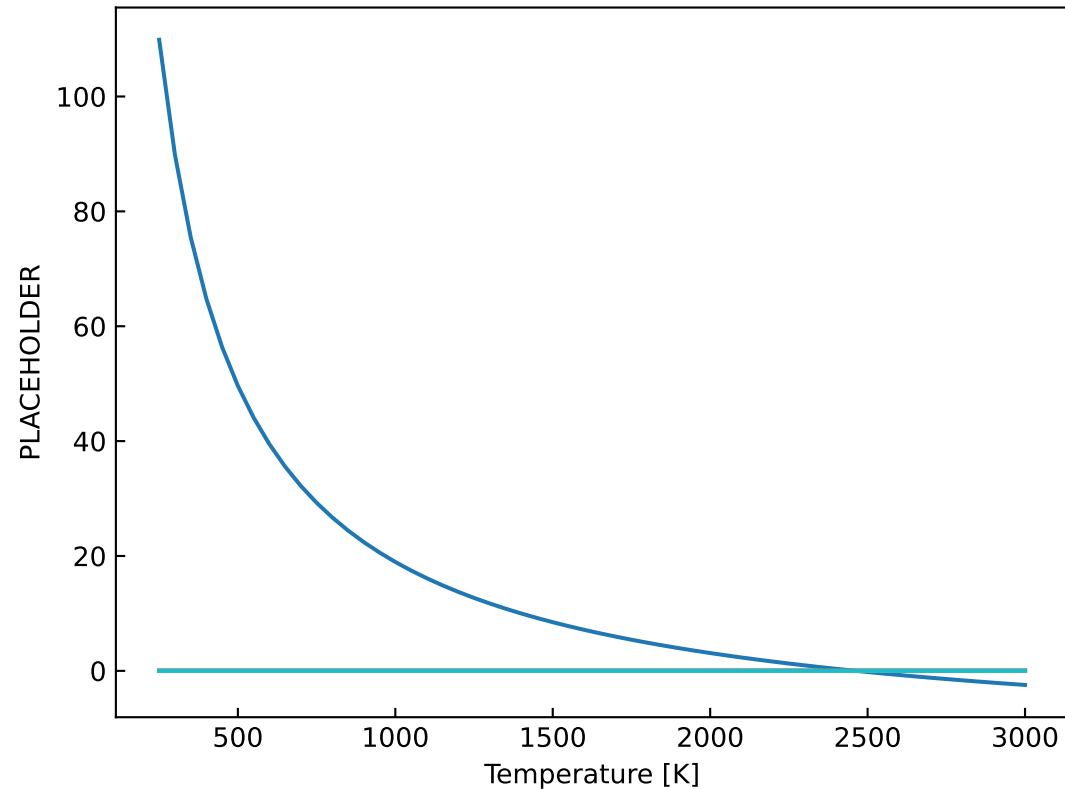
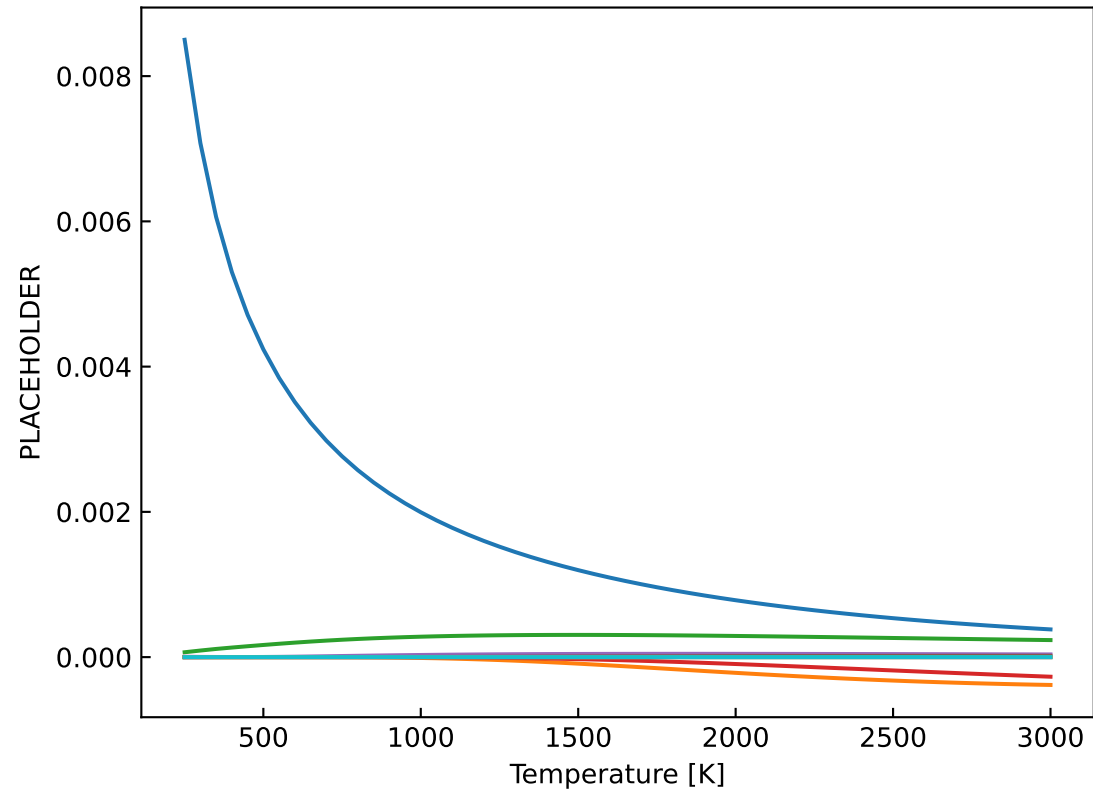
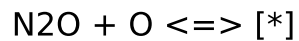


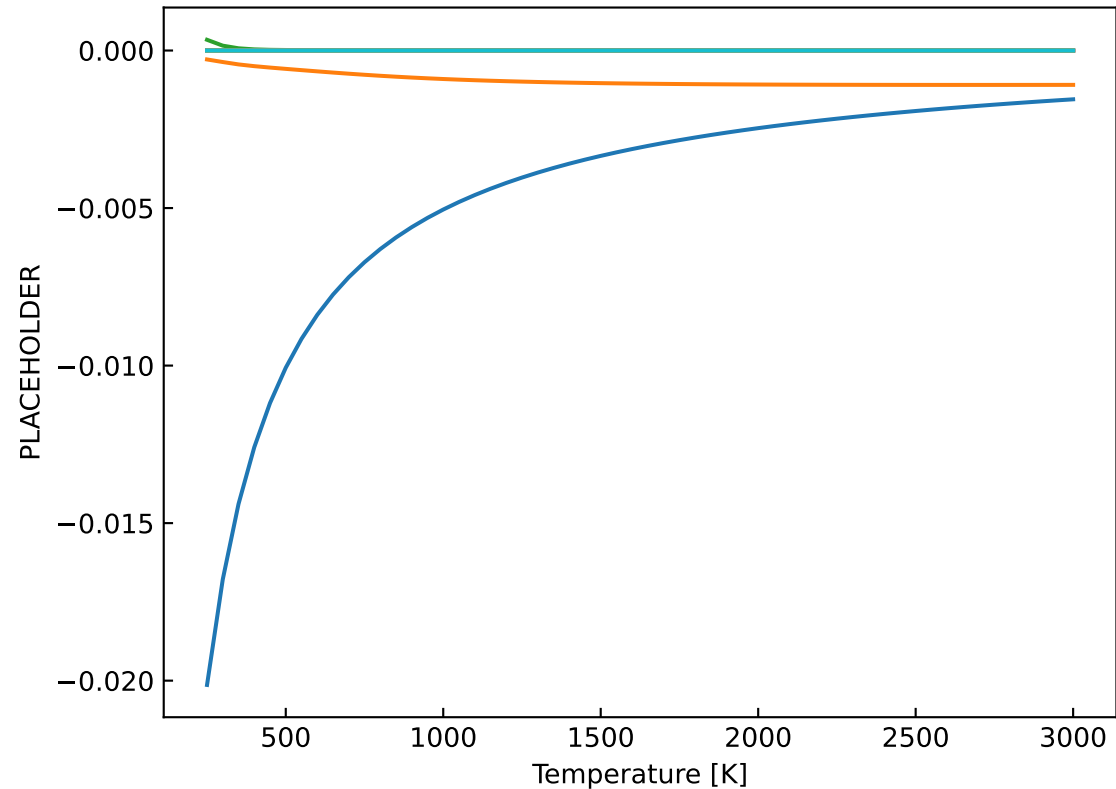
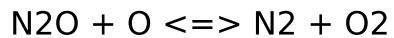
N2O (+M) <=> N2 + O (+M)



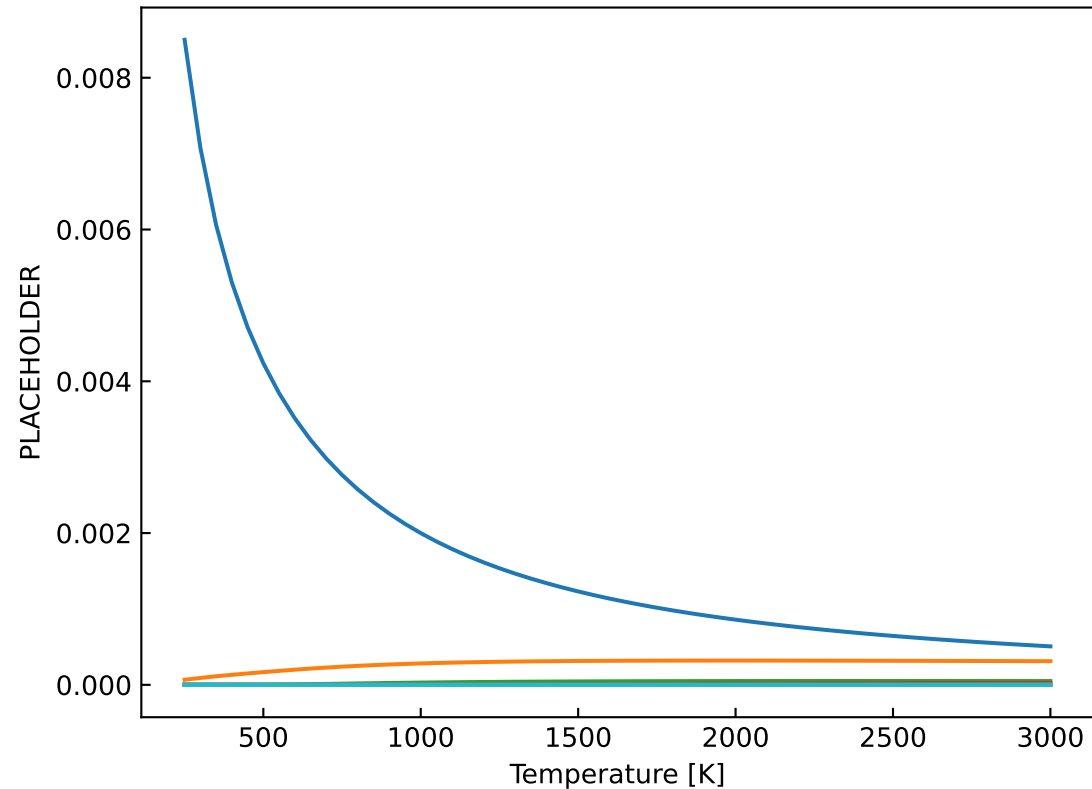
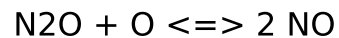
- N2O (+M) <=> N2 + O (+M) [A:100.0, n:10000.0, Ea:10000000.0, -29597.635957037535]
- H + O2 <=> O + OH [A:1e-09, n:1e-09, Ea:1e-09, 9.27530439091119e-20]
- 2 NH2 <=> H2 + N2H2 [A:1e-09, n:1e-09, Ea:1e-09, 4.0052184430296074e-26]
- NH + NH2 <=> H + N2H2 [A:1e-09, n:1e-09, Ea:1e-09, -3.9021388354024035e-22]
- HNOH + NH2 <=> N2H3 + OH [A:1e-09, n:1e-09, Ea:1e-09, -3.0135725461152156e-26]
- HNOH + NH2 <=> H2NN + H2O [A:1e-09, n:1e-09, Ea:1e-09, 6.0801814636411e-27]
- 2 NH2 (+M) <=> N2H4 (+M) [A:1e-09, n:1e-09, Ea:1e-09, -1.0530490823776538e-21]
- N2H4 <=> H2 + H2NN [A:1e-09, n:1e-09, Ea:1e-09, 5.351712324222585e-23]
- H + N2H4 <=> H2 + N2H3 [A:1e-09, n:1e-09, Ea:1e-09, -2.102663189401516e-21]
- H + N2H4 <=> NH2 + NH3 [A:1e-09, n:1e-09, Ea:1e-09, -5.83230317922371e-26]



- B4_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [5.0, -0.00421998239018361]
- B4_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons \text{N}_2 + \text{O}_2$ [5.0, 0.010006720937157057]
- B4_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.22, -0.00011605889440823258]
- B4_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons \text{N}_2 + \text{O}_2$ [0.22, 0.00029390290710689304]
- B5_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [5.0, -0.001052901842509594]
- B5_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.22, -2.402469482019778e-05]
- B4_ImaginaryFrequency_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.26, 1.3827198598207714e-06]
- B5_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons \text{N}_2 + \text{O}_2$ [0.22, 7.838288219850759e-06]
- B4_ImaginaryFrequency_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons \text{N}_2 + \text{O}_2$ [0.26, 1.1221223672840306e-05]
- B5_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons \text{N}_2 + \text{O}_2$ [5.0, 3.358718272197521e-05]

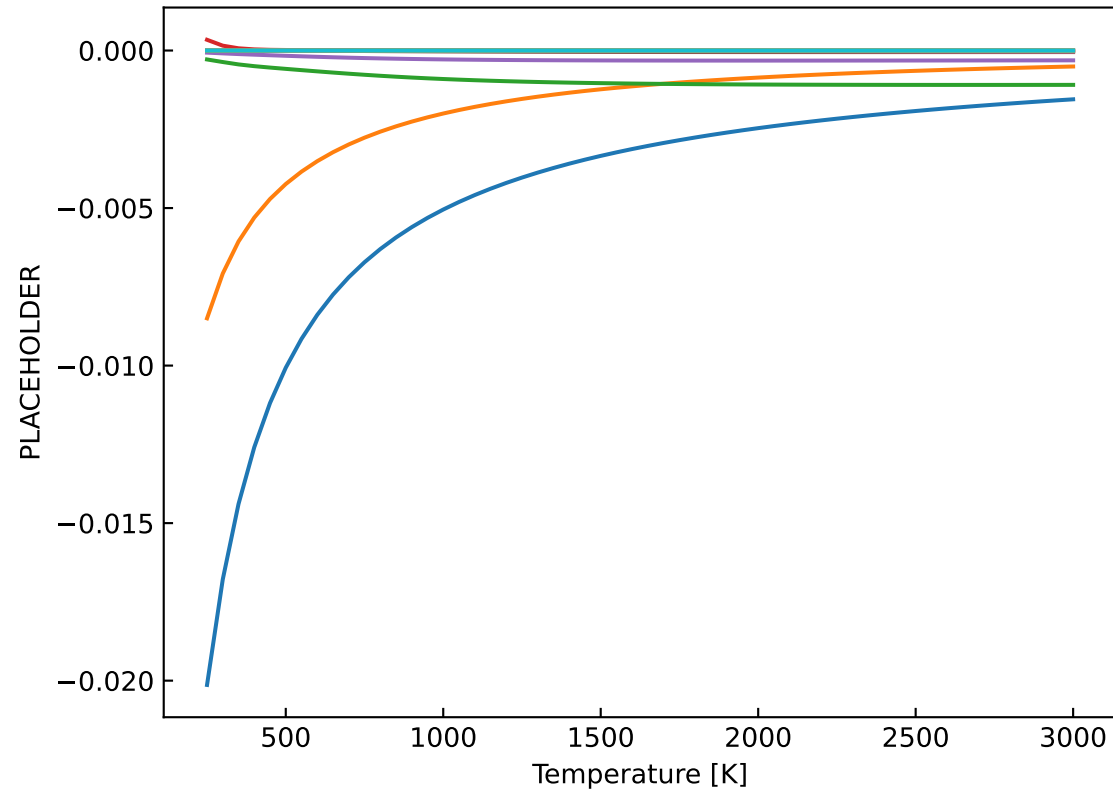


- B4_Energy_1 N2O + O <=> N2 + O2 [5.0, 0.010006720937157057]
- B4_Frequencies_1 N2O + O <=> N2 + O2 [0.22, 0.00029390290710689304]
- B4_ImaginaryFrequency_1 N2O + O <=> N2 + O2 [0.26, 1.1221223672840306e-05]
- B5_Frequencies_1 N2O + O <=> N2 + O2 [0.22, 7.838288219850759e-06]
- B5_Energy_1 N2O + O <=> N2 + O2 [5.0, 3.358718272197521e-05]
- B5_ImaginaryFrequency_1 N2O + O <=> N2 + O2 [0.26, 1.1462514088878763e-06]
- P1_Frequencies_1 N2O + O <=> N2 + O2 [1e-09, -2.0691823610574656e-14]
- B4_SymmetryFactor_1 N2O + O <=> N2 + O2 [1e-09, -1.7558504112821837e-14]
- P1_Energy_1 N2O + O <=> N2 + O2 [1e-09, 1.984115130614513e-15]
- P1_SymmetryFactor_1 N2O + O <=> N2 + O2 [1e-09, -2.648209895520227e-16]



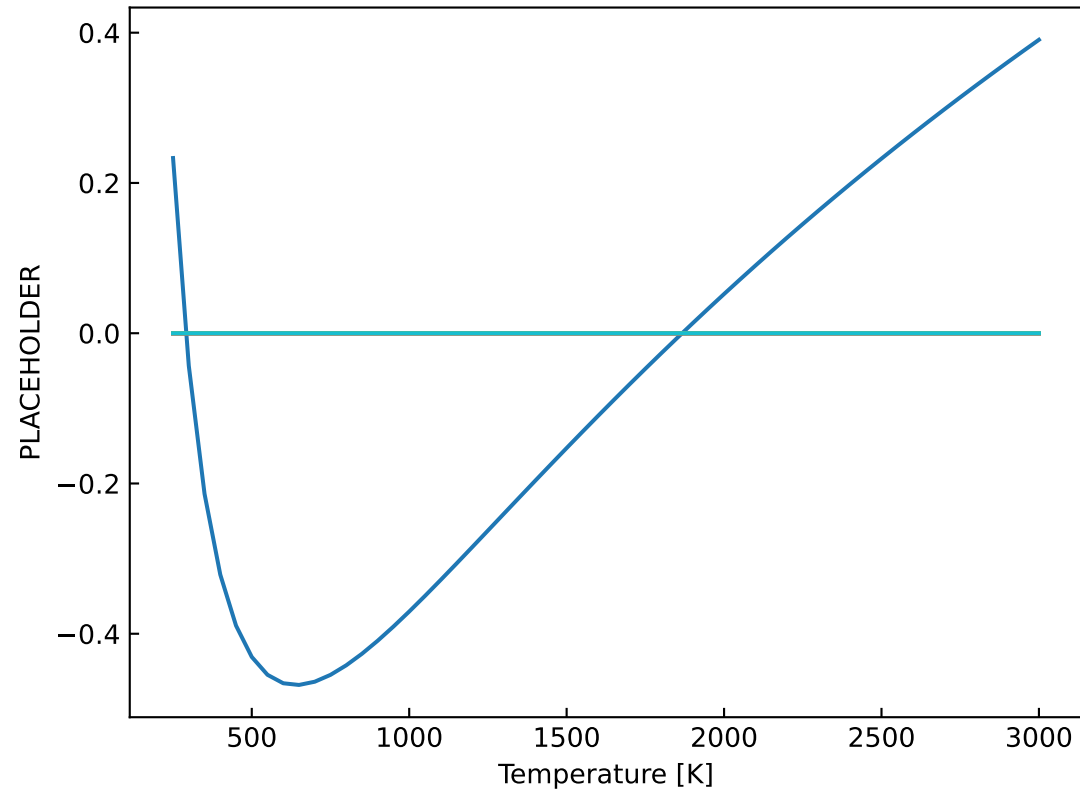
- B4_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [5.0, -0.00421998239018361]
- B4_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.22, -0.00011605889440823258]
- B5_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [5.0, -0.001052901842509594]
- B5_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.22, -2.402469482019778e-05]
- B4_ImaginaryFrequency_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.26, 1.3827198598207714e-06]
- B5_ImaginaryFrequency_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [0.26, 6.071843607902156e-07]
- P1_Energy_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [1e-09, 3.1194033258036e-14]
- P1_SymmetryFactor_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [1e-09, -2.1230069073674868e-14]
- B5_SymmetryFactor_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [1e-09, -2.9369677188432806e-14]
- P1_Frequencies_1 $\text{N}_2\text{O} + \text{O} \rightleftharpoons 2 \text{NO}$ [1e-09, -1.50356065098995e-15]

N2O + O <=> N2 + O2 [/] N2O + O <=> 2 NO



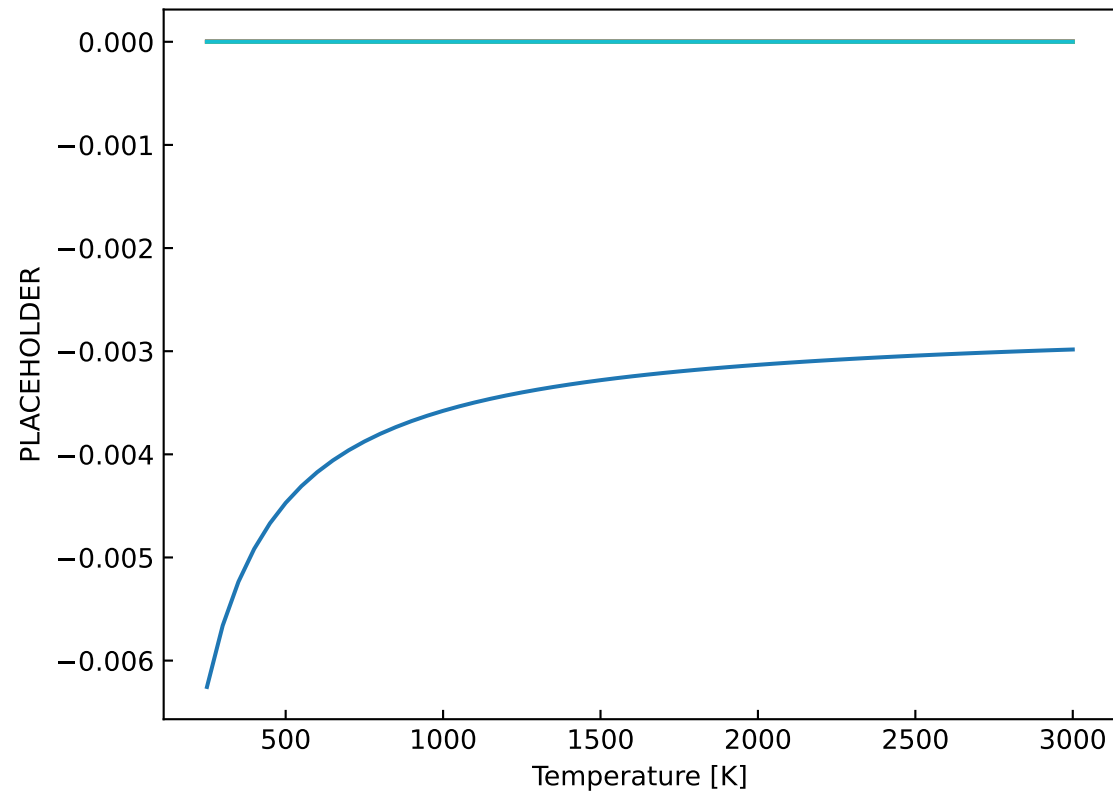
- B4_Energy_1 N2O + O <=> N2 + O2 [5.0, 0.010006720937157057]
- B4_Energy_1 N2O + O <=> 2 NO [5.0, -0.00421998239018361]
- B4_Frequencies_1 N2O + O <=> N2 + O2 [0.22, 0.00029390290710689304]
- B4_ImaginaryFrequency_1 N2O + O <=> N2 + O2 [0.26, 1.1221223672840306e-05]
- B4_Frequencies_1 N2O + O <=> 2 NO [0.22, -0.00011605889440823258]
- B5_Energy_1 N2O + O <=> 2 NO [5.0, -0.001052901842509594]
- B5_Frequencies_1 N2O + O <=> 2 NO [0.22, -2.402469482019778e-05]
- B4_ImaginaryFrequency_1 N2O + O <=> 2 NO [0.26, 1.3827198598207714e-06]
- B5_Frequencies_1 N2O + O <=> N2 + O2 [0.22, 7.838288219850759e-06]
- B5_Energy_1 N2O + O <=> N2 + O2 [5.0, 3.358718272197521e-05]

NO + O (+M) <=> NO2 (+M)



- NO + O (+M) <=> NO2 (+M) [A:100.0, n:10000.0, Ea:10000000.0, -732.2326650628561]
- H + O2 <=> O + OH [A:1e-09, n:1e-09, Ea:1e-09, 9.27530439091119e-20]
- N2H4 + NO2 <=> HONO + N2H3 [A:1e-09, n:1e-09, Ea:1e-09, 1.956430285061462e-23]
- 2 NH2 <=> H2 + H2NN [A:1e-09, n:1e-09, Ea:1e-09, -6.772229286707134e-26]
- NH + NH2 <=> H + N2H2 [A:1e-09, n:1e-09, Ea:1e-09, -3.9021388354024035e-22]
- HNOH + NH2 <=> N2H3 + OH [A:1e-09, n:1e-09, Ea:1e-09, -3.0135725461152156e-26]
- HNOH + NH2 <=> H2NN + H2O [A:1e-09, n:1e-09, Ea:1e-09, 6.0801814636411e-27]
- 2 NH2 (+M) <=> N2H4 (+M) [A:1e-09, n:1e-09, Ea:1e-09, -1.0530490823776538e-21]
- N2H4 <=> H2 + H2NN [A:1e-09, n:1e-09, Ea:1e-09, 5.351712324222585e-23]
- H + N2H4 <=> H2 + N2H3 [A:1e-09, n:1e-09, Ea:1e-09, -2.102663189401516e-21]

NO2 + O <=> NO + O2



- NO2 + O <=> NO + O2 [A:2.302585093, n:1e-09, Ea:2010.0, 0.8896866106506004]
- H + O2 <=> O + OH [A:1e-09, n:1e-09, Ea:1e-09, 9.27530439091119e-20]
- N2H4 + NO2 <=> HONO + N2H3 [A:1e-09, n:1e-09, Ea:1e-09, 1.956430285061462e-23]
- 2 NH2 <=> H2 + H2NN [A:1e-09, n:1e-09, Ea:1e-09, -6.772229286707134e-26]
- NH + NH2 <=> H + N2H2 [A:1e-09, n:1e-09, Ea:1e-09, -3.9021388354024035e-22]
- HNOH + NH2 <=> N2H3 + OH [A:1e-09, n:1e-09, Ea:1e-09, -3.0135725461152156e-26]
- HNOH + NH2 <=> H2NN + H2O [A:1e-09, n:1e-09, Ea:1e-09, 6.0801814636411e-27]
- 2 NH2 (+M) <=> N2H4 (+M) [A:1e-09, n:1e-09, Ea:1e-09, -1.0530490823776538e-21]
- N2H4 <=> H2 + H2NN [A:1e-09, n:1e-09, Ea:1e-09, 5.351712324222585e-23]
- H + N2H4 <=> H2 + N2H3 [A:1e-09, n:1e-09, Ea:1e-09, -2.102663189401516e-21]