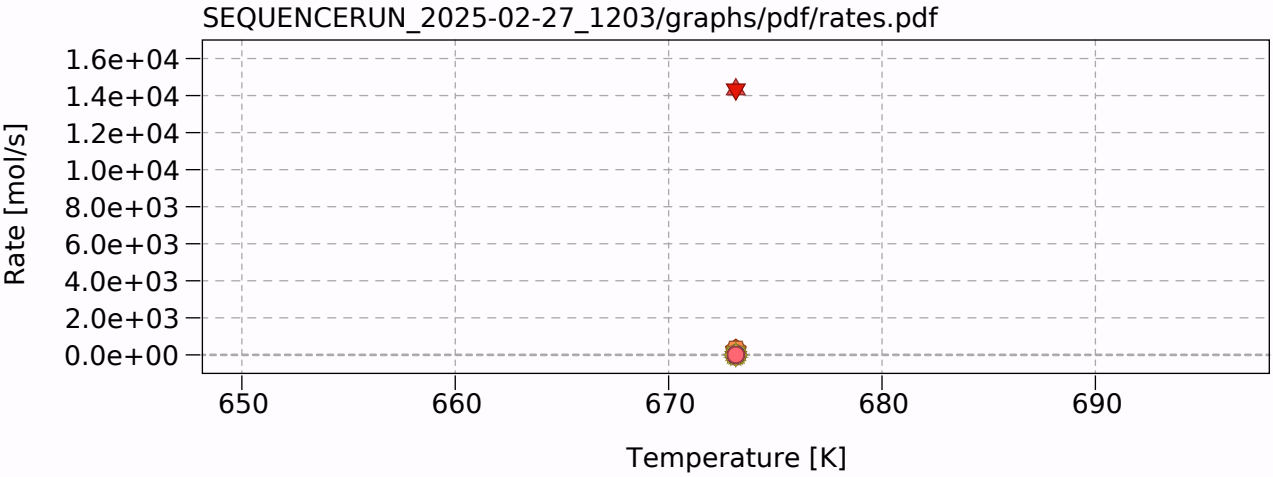

- CO2 + * -> CO2*
- CO + * -> CO*
- H2 + 2 * -> 2 H*
- H2O + * -> H2O*
- CO2* + * -> CO* + O*
- CO2* + H* -> HCOO* + *
- CO2* + H* -> COOH* + *
- CO2* + OH* -> COOH* + O*
- CO2* + H2O* -> COOH* + OH*
- CO2* + OH* -> HCOO* + O*
- CO2* + H2O* -> HCOO* + OH*
- COOH* + * -> CO* + OH*
- COOH* + * -> COH* + O*
- HCOO* + * -> O* + HCO*
- CO* + * -> C* + O*
- HCO* + * -> CO* + H*
- HCO* + * -> CH* + O*
- COH* + * -> CO* + H*
- COH* + * -> C* + OH*
- C* + H* -> CH* + *
- CH* + H* -> CH2* + *
- CH2* + H* -> CH3* + *
- HCO* + H* -> CH2O* + *
- HCO* + H* -> HCOH* + *
- COH* + H* -> HCOH* + *
- HCOH* + * -> CH* + OH*
- HCOH* + H* -> CH2OH* + *
- CH2OH* + * -> CH2* + OH*
- CH2OH* + H* -> CH3OH* + *
- CH2O* + H* -> CH2OH* + *
- CH2O* + * -> CH2* + O*
- CH2O* + H* -> CH3O* + *
- CH3O* + * -> CH3* + O*
- CH3O* + H* -> CH3OH* + *
- CH3OH* + * -> CH3* + OH*
- O* + H* -> OH* + *
- OH* + H* -> H2O* + *
- OH* + OH* -> O* + H2O*
- CH4 + 2 * -> CH3* + H*
- CH3OH + * -> CH3OH*
- CH2O + * -> CH2O*

- CO2 + * <- CO2*
- CO + * <- CO*
- H2 + 2 * <- 2 H*
- H2O + * <- H2O*
- CO2* + * <- CO* + O*
- CO2* + H* <- HCOO* + *
- CO2* + H* <- COOH* + *
- CO2* + OH* <- COOH* + O*
- CO2* + H2O* <- COOH* + OH*
- CO2* + OH* <- HCOO* + O*
- CO2* + H2O* <- HCOO* + OH*
- COOH* + * <- CO* + OH*
- COOH* + * <- COH* + O*
- HCOO* + * <- O* + HCO*
- CO* + * <- C* + O*
- HCO* + * <- CO* + H*
- HCO* + * <- CH* + O*
- COH* + * <- CO* + H*
- COH* + * <- C* + OH*
- C* + H* <- CH* + *
- CH* + H* <- CH2* + *
- CH2* + H* <- CH3* + *
- HCO* + H* <- CH2O* + *
- HCO* + H* <- HCOH* + *
- COH* + H* <- HCOH* + *
- HCOH* + * <- CH* + OH*
- HCOH* + H* <- CH2OH* + *
- CH2OH* + * <- CH2* + OH*
- CH2OH* + H* <- CH3OH* + *
- CH2O* + H* <- CH2OH* + *
- CH2O* + * <- CH2* + O*
- CH2O* + H* <- CH3O* + *
- CH3O* + * <- CH3* + O*
- CH3O* + H* <- CH3OH* + *
- CH3OH* + * <- CH3* + OH*
- O* + H* <- OH* + *
- OH* + H* <- H2O* + *
- OH* + OH* <- O* + H2O*
- CH4 + 2 * <- CH3* + H*
- CH3OH + * <- CH3OH*
- CH2O + * <- CH2O*