1D retrieval on 3D GCM simulation (H₂O diss. / Rot broad.) $\log X_{CO}$ 10^{-6} $-4.0^{+0.8}_{-0.6}$ $\log X_{0, H_2O}$ 10^{-4} P_1 Pressure [bar] $-4.6^{+0.6}_{-0.6}$ $\log X_{0, H_20}$ T_0 P_2 2232^{+603}_{-434} $10g P_1$ T_0 10g 10^{0} $log P_1$ P_3 $-3.9^{+0.9}_{-0.7}$ 10^2 bar $log P_2$ 3000 1000 2000 Temperature [K] $-0.8^{+0.4}_{-0.5}$ bar $log P_3$ 1D retrieved values $log P_2$ 1D retrieved P-T profile 1σ bar $lpha_1$ 2σ $\log P_3$ 6 $0.59^{+0.23}_{-0.24}$ 0.8 α_2 0.9 0.000.00 $lpha_1$ $0.25^{+0.03}_{-0.03}$ $\Delta K_{\rm p}$ 0.30 α_2 km/s Δv_{sys} 8 0 km/s 8/8 $\delta v_{\mathsf{broad}}$ $\Delta V_{\rm SyS}$ 0 km/s % $\delta V_{\mathsf{broad}}$ × 8 8 $log P_1$ ΔK_{p} $\delta v_{\mathsf{broad}}$ $\log X_{\rm CO} \log X_{\rm 0, H_2O}$ $log P_2$ $log P_3$ Δv_{sys} $lpha_1$ α_2