

Evaporation of Closed Water Bodies

At. = -9.4‰ Water = +1.2‰

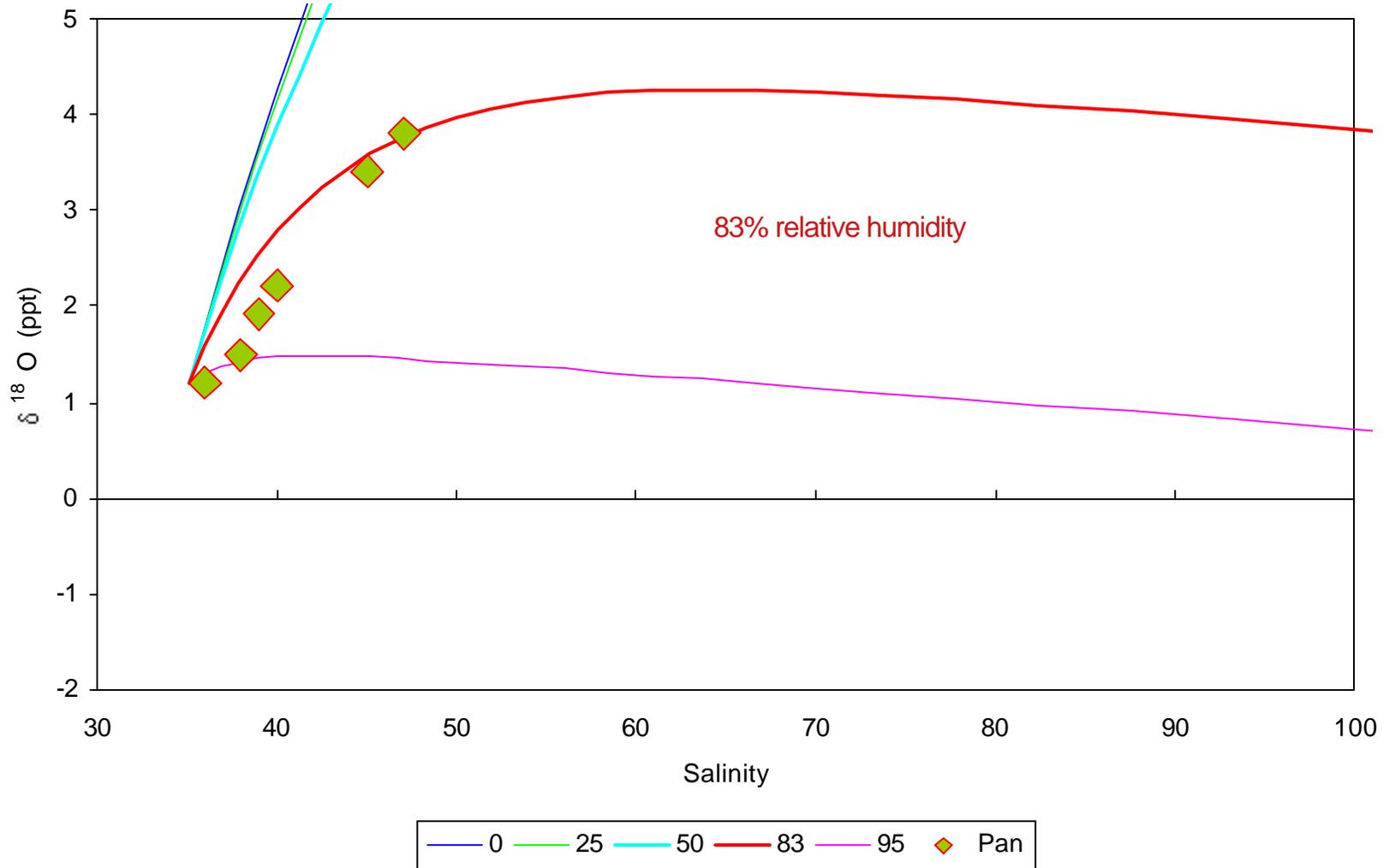


Figure 2. The various lines shown on this figure show the path that the oxygen isotopic composition will take assuming a seawater with an initial oxygen isotopic composition of +1.2 per mille and a salinity of 36 is evaporated into environments of different relative humidities. During an initial experiment, water with this salinity and oxygen isotopic composition, was evaporated over the course of several days. The temperature of the water was 23.5°C and the relative humidity 83%. The results from this experiment (solid symbols) agree well with that estimated from the model.