

Data set changes - 2020-09-01

Salt concentration data (DOI: 10.1594/PANGAEA.911059)

Owens_lake_T32-1-L1_P3_salt-conc

- replaced 0 with NaN values
- removed (17,1) to (17,9) and (18,1) to (18,9) direct salt measurements. Found lab notes that for these measurements there was a mixup of dishes in the lab
- removed (14,1) to (14,9) and (15,1) to (15,9) direct salt measurements. Did not find lab notes indicating potential mixups or contamination but the results from the direct measurements do not look trustworthy when compared to the indirect measurements.

OwensLake-T27-S_salt-conc

- removed all negative values from the direct salt measurement. These should have been missing values (the crystallization dishes were dropped, according to the lab notes) but were wrongly calculated and included

OwensLake_porewater

- removed entries from column "measurement_error" for cases with ≤ 2 measurements
- swapped entries from columns "z" and "x" for site T25-3_P2 and T16 (these were in the wrong order)
- added a depth entry (depth of 0 m) to entries from site T16 (these samples were drawn from water pooling into the bore holes)
- converted entries in column "Dinstance from left ridge" from centimeters to meters
- renamed T-10-3 -> T-10-3_P1, T16 -> T16_P1 and T16_validation -> T16_P1_validation to be consistent with the other data sets

Salt characterization data (DOI: 10.1594/PANGAEA.911239)

OwensLake_crustsaltspecs

- renamed T2-5 -> T2-5_P1 and T10-3 -> T10-3_P1 to be consistent with the other data sets
- renamed column "Perc [%] (Sodium Hydrogen Carbonate Hyd...)" -> "Perc [%] (Trona, $\text{Na}_3(\text{HCO}_3)(\text{CO}_3)\cdot 2\text{H}_2\text{O}$)"
- renamed column "Perc [%] (Sodium Chloride)" -> "Perc [%] (Halite, NaCl)"
- renamed column "Perc [%] (Sodium Carbonate Sulfate)" -> "Perc [%] (Burkeite, $\text{Na}_6(\text{CO}_3)(\text{SO}_4)_2$)"
- renamed column "Perc [%] (Sodium Sulfate)" -> "Perc [%] (Thenardite, Na_2SO_4)"
- renamed column "Perc [%] (Calcium Carbonate)" -> "Perc [%] (Calcite, CaCO_3)"
- renamed column "Perc [%] (Sodium Calcium Aluminum Silicate)" -> "Perc [%] (Albite, $\text{NaAlSi}_3\text{O}_8$)"

- renamed column "Perc [%] (Sodium Hydrogen Carbonate)" -> "Perc [%] (Nahcolite, NaHCO₃)"
- renamed column "Perc [%] (Sodium Calcium Manganese Tita...)" -> "Perc [%] (Janhaugite, (Na,Ca)₃(Mn,Fe)₃(Ti,Zr,Nb)₂Si₄O₁₆(OH,F)₂)"
- renamed column "Perc [%] (Silicon Oxide)" -> "Perc [%] (Quartz, SiO₂)"
- renamed column "Perc [%] (Potassium Aluminum Silicate)" -> "Perc [%] (Orthoclase, KAlSi₃O₈)"
- renamed column "Perc [%] (Magnesium Calcium Carbonate)" -> "Perc [%] (Siderophyllite, KFe₂Al(Al₂Si₂)O₁₀(F,OH)₂)"
- renamed column "Perc [%] (Magnesium Calcium Carbonate)" -> "Perc [%] (Huntite, Mg₃Ca(CO₃)₄)"
- renamed column "Perc [%] (Calcium Hydrogen Phosphate Hy...)" -> "Perc [%] (CaHPO₄)"
- removed columns "Perc [%] (Strontium Cesium Aluminum Silicate)", "Perc [%] (Antimony Oxide)", "Perc [%] (Magnesium Iron Iron Aluminum)" and "Perc [%] (Calcium Hydroxide)" since these entries only referred to a trace elements
- removed two superfluous rows at the end of the table
- data abstract corrected to read "Pore water was collected from the subsurface at two sites at Badwater Basin (also central California) and 10 sites at Owens Lake."

Temperature & humidity data (DOI: 10.1594/PANGAEA.911139)

OwensLake_T27-A_P1_Temp_center

- removed 6 entries at the beginning
- removed one entry at the end

OwensLake_T27-A_P1_Temp_center2

- removed 6 entries at the beginning
- removed one entry at the end

OwensLake_T29-3_P1_Temp_center

- removed 6 entries at the beginning
- removed two entries at the end

OwensLake_T29-3_P1_TempRH_ridge

- removed 19 entries at the beginning

OwensLake_T36-3_P1_TempRH_center

- removed 23 entries at the beginning

OwensLake_T36-3_P1_TempRH_ridge

- removed 47 entries at the beginning

