

Relational Tables

surveys

station_id	date	time_utc	rain_inches	air_temp_f	water_content_2inch	water_content_8inch
5	20160731	05:00	0	62.23	0.0519	0.1370
5	20160731	05:20	0	61.80	0.0511	0.1366
...



stations

station_id	name	year_installed	year_removed	soil_type	elevation_m
1	Sky Mtn	2013	2016	Loam	2550
2	Smuggler Mtn	2013	2016	Loam	2730
...
5	Glenwood Springs	2015	2016	Clay Loam	1890

Combined Table

surveys

(datetime_utc)

(water_content_2inch,
water_content_8inch)

station_ id	date	time_utc	rain_inches	air_temp_f	water_content_20inch
5	20160731	05:00	0	62.23	0.0678
5	20160731	05:20	0	61.80	0.0678
5	20160731	05:40	0	60.39	0.0664
5	20160731	06:00	0	61.29	0.0664
5	20160731	06:20	0	58.93	0.0664
...