Variable Name	Description
ESTCODE_N	Estuary CODE with segment
ESTCODE	Estuary CODE
ESTUARY	Estuary name
Segment	Subestuary code
STATE	State Location of the Estuary
Ecoregion	MEOW Ecoregion (Spaulding 2007) of the Estuary
date_unity	Date and Time in UTC time zone
Time	Time information associated with the Sentinel product
timediff	time difference between Time and date_unity
tz	time zone information (UTC, Local_tz, No_tz)
Date	Date in UTC
Date_UTC	Date and Time in UTC time zone
SiteID	Station ID
.geo	Georeferencing information, including layer type and the coordinate system
LAT_pt	Latitude of the site point
LNG_pt	Longitude of the site point
Project	Project information to indicate the sub-dataset source
MGRS	Sentinel Military Grid Reference System (MGRS) tile ID
Sentinel_id	The Sentinel Product ID in Google Earth Engine (GEE)
Aerosol	Aerosol band (Band 1, 443nm, 60m resolution)
Aerosol_sd	Aerosol band standard deviation
Blue	Blue band (Band 2, 490nm, 10m resolution)
Blue_sd	Blue band standard deviation
Green	Green band (Band 3, 560nm, 10m resolution)
Green_sd	Green band standard deviation
Red	Red band (Band 4, 665nm, 10m resolution)
Red_sd	Red band standard deviation
RedEdge1	Vegetation Red Edge 1 band (Band 5-, 705nm, 20m resolution)
RedEdge1_sd	Vegetation Red Edge 1 band standard deviation
RedEdge2	Vegetation Red Edge 2 band (Band 6,-, 740nm, 20m resolution)
RedEdge2_sd	Vegetation Red Edge 2 standard deviation
RedEdge3	Vegetation Red Edge 3 band (Band 7-, 783nm, 20m resolution)
RedEdge3_sd	Vegetation Red Edge3 standard deviation
NIR	Near-infrared Band 8, 842nm, 10m resolution
NIR_sd	NIR band standard deviation
RedEdge4	Vegetation Red Edge 4 band (Band 8A-, 865nm, 20m resolution)
RedEdge4_sd	Vegetation Red Edge 4 standard deviation
SWIR1	Short wavelength infrared 1 (Band 11, 1610nm, 20m resolution)
SWIR1_sd	Short wavelength infrared 1 standard deviation

SWIR2	Short wavelength infrared 2 (Band 12, 2190nm, 20m resolution)
SWIR2_sd	Short wavelength infrared 2 standard deviation
pixelCount	the number of the pixels within the buffer region
Cloud	Cloud percentage from the "cloudpull.py" code.
Depth_m	Monitoring data depth, meters
Temp_C	Water temperature, degrees Centigrade
DO_mg.L	Dissolved oxygen, mg/L
Salinity_ppt	Salinity, ppt
Turb_NTU	Turbidity, Nephelometric Turbidity Units
Chl_ug.L	Chlorophyll, ug/L
Method	Method to measure the Chlorophyll
Chl_category	Chlorophyll Category: CHL, CHLA, CHLF (fluorescence-based)
Layer	Measurement layer (surface/middle/bottom
Calculated	Indicates if the flushing time and stratification is calculated for this estuary
GRID1MIL	Military Grid Reference System (MGRS) 1 to 1,000,000
GRID100K	Military Grid Reference System (MGRS) 1 to 100,000
LONGITUDE	MGRS Longitude as decimal degrees
LATITUDE	MGRS Latitude as decimal degrees
EPSG	European Petroleum Survey Group coordinate system information
pwater_max	Max water classification percentage
pwater_med	median water classification percentage

Table S1: Database parameter list. This list identifies both the table variable and the brief description of each parameter in EstuarySAT.