Oil Slick ReadMe

The file Oil_Slick_Database.csv contains a header row, followed by 123 observations of suspected bilge dump events.

There are 6 columns as follows:

Field Name	Type	Description	Example Value
sentinel_image_id	string	A unique identifier specifying a tile from the Sentinel-1 satellite. This string is also used as the name for image files available in the folders described below. These tiles may appear more than once in the database if there are more than one slick on them.	S1A_IW_GRDH_1SDV_ 20190215T114238_2019 0215T114303_025940_0 2E3A1_F94A
date	string	Date of the slick, extracted from sentinel_image_id.	2019-02-15
polygon_mask	String (JSON)	A string in GeoJSON format, consisting of a list of long/lat coordinates that trace the length of the slick.	{"type":"LineString","coor dinates":[[98.0126,4.863 5],[98.1032,4.7437]]}
length	float	The summed distance of the polygon_mask in km	16.625
ship_lon	float	If there is a ship at one end of the slick, the longitude of its position. Otherwise NULL.	98.01
ship_lat	float	If there is a ship at one end of the slick, the latitude of its position. Otherwise NULL.	4.87

Additionally, there are three folders containing image files, each with a filename corresponding to the sentinel_image_id column:

Folder Name	Filetype	Bits	Pixels	Description	Example URL
32_bit_tiff	GeoTIFF	32	4096 x 4096	Geo-referenced satellite image	https://skytruth-aws-hackathon.s3-us-west -2.amazonaws.com/32_bit_tiff/S1A_IW_G RDH_1SDV_20170528T045216_2017052 8T045241_016777_01BE0F_5BB0.tif
8_bit_png	PNG	8	4096 x 4096	Unreferenced smaller version of 32_bit_tiff	https://skytruth-aws-hackathon.s3-us-west -2.amazonaws.com/8_bit_png/S1A_IW_G RDH_1SDV_20170528T045216_2017052 8T045241_016777_01BE0F_5BB0.png
8_bit_mask	PNG	8	4096 x 4096	Black and white mask of 8_bit_png	https://skytruth-aws-hackathon.s3-us-west -2.amazonaws.com/8_bit_mask/S1A_IW_ GRDH_1SDV_20170528T045216_20170 528T045241_016777_01BE0F_5BB0.png