

## Data Dictionary for

### **“Three decades of heat stress exposure in Caribbean coral reefs: a new regional delineation to enhance conservation”**

**PIs:** Muñiz-Castillo A. Israel (aaron.muniz@cinvestav.mx) and Arias-González J. Ernesto (earias@cinvestav.mx),

Laboratorio de Ecología de Ecosistemas de Arrecifes Coralinos, Departamento de Recursos del Mar, Centro de Investigación y de Estudios Avanzados del I.P.N. Mérida 97310, Yucatán, Mexico.

FILE: Daily\_ecoregional\_statistics\_of\_DHW.csv

The columns in this dataset represent some statistical descriptors of the observed DHW values in an ecoregion on a given day; these columns are described below:

- 1) The first column shows the ‘max’ variable that represents the maximum observed value of DHW in an ecoregion on a given day.
- 2) The second column shows the ‘min’ variable representing the minimum observed value of DHW in an ecoregion on a given day.
- 3) From the third to the seventh column, they present some percentiles (50th, 25th, 75th, 10th, and 90th percentile) of the observed values of DHW in an ecoregion on a given day.
- 4) The eighth column shows the mean of the observed DHW values in an ecoregion on a given day.
- 5) The ninth column presents the standard deviation of the observed DHW values in an ecoregion on a given day.
- 6) The tenth column shows the date to which each of the statistical descriptors corresponds. Date in **year/month/day** format.
- 7) The eleventh column presents the ecoregion corresponding to each of the statistical descriptors.

We show the ecoregion abbreviations and number of pixels per day in each ecoregion (n): BHM = Bahamian (n = 7,653); EC = Eastern Caribbean (n = 2,021); FL = Floridian (n = 832); GA = Greater Antilles (n = 7,003); SC = Southern Caribbean (n = 1,622); SGoM = Southern Gulf of Mexico (n = 1,281); SWC = Southwestern Caribbean (n = 3,326); WC = Western Caribbean (n = 1,861); and wider Caribbean (n = 25,591).