



WPTT18: TROPICAL TUNA DATASETS AVAILABLE

LAST UPDATED: 24 OCTOBER 2016

The following datasets are available for download. Please inform the IOTC Secretariat if you encounter any problems accessing the data. The data have been submitted to several validation procedures at the Secretariat; however, the procedures may not be exhaustive enough to uncover all potential problems.

If you discover any major inconsistencies in the data, please contact the Secretariat as soon as possible at: secretariat@iotc.org or data.assistant@iotc.org

Data Catalogues:

The file [IOTC-2016-WPTT18-DATA02](#) (16-09-2016) contains information on the amount of nominal catches strata for which catch and effort and/or size frequency data are available, by species and fleet.

Nominal Catches (**available**):

Nominal catches represent the total catch estimates per Fleet, Year, Gear, IOTC Area and species. Catches not reported per species or gears were assigned to the corresponding gears and/or species by the Secretariat.

Catches estimated for 1950-2015, including information on data source and quality of the catch estimates can be found at the following link:

[IOTC-2016-WPTT18-DATA03.zip](#) (16-09-2016) (compressed with WinZip)

Please, note that the **catches for 2015** represent **preliminary** figures.

Catches and Effort (**available**):

Catch and effort (CE) data (16-09-2016) are available as three different files (compressed with WinZip), according to the type of gear:

- vessels using drifting longlines — [IOTC-2016-WPTT18-DATA04 - CELongline.zip](#)
- vessels using pole and lines or purse seines — [IOTC-2016-WPTT18-DATA05 - CESurface.zip](#)
- vessels using gears other than those referred to above — [IOTC-2016-WPTT18-DATA06 - CECoastal.zip](#)

Alternatively, click here to download the complete catch-and-effort three files as one zip file:

[IOTC-2016-WPTT18-DATA07 - CEALL.zip](#)

- Catches (in tonnes or/and in number) and effort are recorded per Fleet, Year, Gear, Type of School, Time Interval (month or quarter usually), Grid (usually 1 degree square areas for surface gears and 5 degree square areas for longlines) and Species.
- Catch and effort are not available for all Nominal catches strata. When recorded, catches reported in these datasets might not represent the total catches of the species in the year for the fleet and gear concerned, or represent simply a sample of those.

Definitions of the variables in the size frequency dataset, source and other related information can be found in:

[IOTC-2016-WPTT18-DATA08 – CEReference.zip](#)

Size frequency data (**available**):

Size frequency data available (16-09-2016) for tropical tunas (**yellowfin tuna, bigeye tuna, and skipjack tuna**) in the IOTC databases are available at the following link: [IOTC-2016-WPTT18-DATA09 - SFALL.zip](#)

- All size data strata not recorded as fork length have been converted into fork length using the equations in [IOTC-2016-WPTT18-DATA10 - Equations.pdf](#).
- Fish recorded under size classes other than the size class intervals recommended for tropical tuna for tropical tuna species (i.e., 2cm for yellowfin tuna and bigeye tuna, and 1cm for skipjack tuna) have also been assigned to a corresponding size class for each species.
- Sizes are recorded in equal size class intervals recommended for each species (2 cm for yellowfin and bigeye tuna, and 1cm for skipjack tuna), with the exception of the first size class which represents all specimens with lengths <12cm (yellowfin and bigeye tuna), and <11cm (skipjack tuna), while the final size class represents specimens >308cm (yellowfin and bigeye tuna) and >159cm (skipjack tuna).

Definitions of the variables in the size frequency dataset, source and other related information can be found at:

[IOTC-2015-WPTT17-DATA11 - SFReference.zip](#)

Bigeye tuna (BET) data for stock assessment (**available**):

Data Prepared by the IOTC Secretariat:

The file [IOTC-2016-WPTT18-DATA12 – BET SS3](#) (19-09-2016) (compressed with WinZip) contains Input data for the stock assessment of yellowfin tuna including total catch and available length frequency data by fishery, year, and quarter. More details about the contents of this file and a summary of the information presented are also provided (refer to YFTfrqWPTT16_readme.xls available via the link above).

The file [IOTC-2016-WPTT18-DATA13 - BET ASPM](#) (19-09-2016) (compressed with WinZip) contains Input data for the ASPM stock assessment of yellowfin tuna including catch-at-age and catch-at-size both in numbers and weight by fishery, year, and quarter.

Yellowfin tuna (YFT) data for stock assessment (**available**):

Data Prepared by the IOTC Secretariat:

The file [IOTC-2016-WPTT18-DATA14 - YFT SS3](#) (19-09-2016) (compressed with WinZip) contains Input data for the stock assessment of yellowfin tuna including total catch and available length frequency data by fishery, year, and quarter. More details about the contents of this file and a summary of the information presented are also provided (refer to YFTfrqWPTT16_readme.xls available via the link above).

The file [IOTC-2016-WPTT18-DATA15 - YFT ASPM](#) (19-09-2016) (compressed with WinZip) contains Input data for the ASPM stock assessment of yellowfin tuna including catch-at-age and catch-at-size both in numbers and weight by fishery, year, and quarter.

CPUE (available):

Datasets 16 & 17 contain the joint CPUE indices for the longline (LL) fleets of Taiwan, China, Japan and Rep. of Korea, which are used in the SS3 stock assessments. The release of these indices has been approved by the responsible parties in Japan, Korea, and Taiwan, China.

Yellowfin tuna joint LL CPUE

The file [IOTC-2016-WPTT-18-DATA16 – YFT joint LL CPUE](#) (20-09-2016) includes the following files:

- YFT tropical regions (R2 & R5) – Annual and quarterly CPUE indices for Regions 2 and 5.
- YFT temperate regions (R3 & R4) – Annual and quarterly CPUE indices for Region 3 and 4.
- YFT tropical region (R2 & R5 combined) – Annual and quarterly CPUE indices for Regions 2 and 5, combined.

Bigeye tuna joint LL CPUE

The file [IOTC-2016-WPTT-18-DATA17 – BET joint LL CPUE](#) (20-09-2016) includes the following files:

- BET tropical regions (R1 & R2) – Annual and quarterly CPUE indices for Regions 2 and 5.
- BET temperate regions (R3 & R4) – Annual and quarterly CPUE indices for Region 3 and 4.
- BET tropical region (R1 & R2 combined) – Annual and quarterly CPUE indices for Regions 2 and 5, combined.

Data provided by other institutions:

The file [IOTC-2016-WPTT18-DATA18 – BET JPN LL CPUE](#) (21-09-2016) contains the bigeye tuna CPUE indices by area derived for the Japanese longline fishery. The CPUE indices are aggregated according to following definitions:

- Whole Indian Ocean, tropical areas and south area
- 5 degree grid area (Tropical LT5LN5)
- 1 degree grid area (Tropical LT1LN1)

The file [IOTC-2016-WPTT18-DATA19 – BET TWN LL CPUE](#) (29-09-2016) contains the quarterly bigeye tuna CPUE indices by area derived for the Taiwanese longline fishery.

The file [IOTC-2016-WPTT18-DATA20 – YFT TWN LL CPUE](#) (03-10-2016) contains the quarterly yellowfin CPUE indices by area derived for the Taiwanese longline fishery.

The file [IOTC-2016-WPTT18-DATA21 – YFT JPN LL CPUE](#) (21-10-2016) contains they yellowfin CPUE indices by area derived for the Japanese longline fishery.



Tuna Tagging Data

In September 2015, the Secretariat released an updated dataset on the release and recovery of IOTC species, in particular tropical tunas, obtained through the implementation an EU-funded Regional Tuna Tagging Programme (RTTP), and several other small-scale tagging projects. The new dataset contains information on the release and recovery of specimens up to July 2015. No updates to the tagging data have been received in 2016.

Access to the data is restricted to users who have completed a Tagging Data User Application Form. For more information about the data or to request access to the data, please contact the [Secretariat](#) directly.