

RACEBASE Table and Column Comments Guide

Table Name CATCH

Table Comments Summary values for organisms caught in the net, summarized by species and haul. Fields contain total weight and number of each species and whether any organisms were collected for voucher specimens

Column Name	Column Comments
CRUISEJOIN	This is a unique numeric identifier assigned to each (VESSEL, CRUISE) combination
HAULJOIN	This is a unique numeric identifier assigned to each (VESSEL, CRUISE, HAUL) combination
CATCHJOIN	This is a unique numeric identifier assigned to each (VESSEL, CRUISE, HAUL, SPECIES_CODE) combination
REGION	Valid Values: AI=Aleutian Islands, BS=Bering Sea, GOA=Gulf of Alaska, WC=West Coast, HBS=Hydroacoustic Bering Sea, HG=Hydroacoustic Gulf of Alaska, HWC=Hydroacoustic West Coast
VESSEL	Domain: RACE ADP Codebook: Vessel Codes
CRUISE	This is a six-digit number identifying the Cruise number of the form: YYYY99 (where YYYY = year of the cruise; 99 = 2-digit number and is sequential; 01 denotes the first cruise that vessel made in this year, 02 is the second, etc.)
HAUL	This number uniquely identifies a haul within a cruise. It is a sequential number, in chronological order of occurrence.
SPECIES_CODE	Domain: RACE Species Codebook
WEIGHT	Kilogram (kg). This value is the extrapolated Weight, to nearest thousandth of a kg, for each species in the catch. Collected in pounds in 1993 and prior years and has since been converted to kg
NUMBER_FISH	Valid Values: whole numbers, 0, and null. This value is the extrapolated total number of individuals of this species caught in the haul.
SUBSAMPLE_CODE	Unused attribute
VOUCHER	Reference number given to specimens that are collected and preserved for taxonomic identification purposes. These are assigned sequentially beginning with 1 and re-initiated for each haul
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table

Table Name CRUISE

Table Comments A lookup table for every cruise that is in the RACEBASE database. It summarizes locations, dates, the country performing the survey and cruise name for each cruise

Column Name	Column Comments
CRUISEJOIN	This is a unique numeric identifier assigned to each (VESSEL, CRUISE) combination
REGION	Valid Values: AI=Aleutian Islands, BS=Bering Sea, GOA=Gulf of Alaska, WC=West Coast, HBS=Hydroacoustic Bering Sea, HG=Hydroacoustic Gulf of Alaska, HWC=Hydroacoustic West Coast, TAG=Denotes that no biological data exist for this cruise other than those related to tags released or recovered.
VESSEL	Domain: RACE ADP Codebook: Vessel Codes
CRUISE	This is a six-digit number identifying the Cruise number of the form: YYYY99 (where YYYY = year of the cruise; 99 = 2-digit number and is sequential; 01 denotes the first cruise that vessel made in this year, 02 is the second, etc.)
START_DATE	Date. This is the date of the first haul of the cruise; this field is populated using a query - select min (start_time) from racebase.haul
END_DATE	Date. This is the date of the last haul of the cruise; this field is populated value using a query - select max (start_time) from a racebase.haul
MIN_LATITUDE	Latitude in decimal degrees. These are the Southern bounding coordinates of cruise
MAX_LATITUDE	Latitude in decimal degrees. These are the Northern bounding coordinates of cruise
MIN_LONGITUDE	Longitude in decimal degrees. These are the Eastern bounding coordinates of cruise
MAX_LONGITUDE	Longitude in decimal degrees. These are the Western bounding coordinates of cruise
AGENCY_NAME	Text. Name of country or countries that conducted the cruise
SURVEY_NAME	Text. Description of the survey
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table

Table Name EVENT

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Table Name EVENT

Table CommentsHeader information for the PROFILE table: date, location, stratum, station, bottom depth, type of bathythermic device, and upcast/downcast flag value representing which limb of the profile is represented in the data stream

Column Name	Column Comments
CRUISEJOIN	This is a unique numeric identifier assigned to each (VESSEL,CRUISE) combination
HAULJOIN	This is a unique numeric identifier assigned to each (VESSEL,CRUISE,HAUL) combination
VESSEL	Domain: RACE ADP Codebook: Vessel Codes
CRUISE	This is a six-digit number identifying the Cruise number. Its format is: YYYY99 (where YYYY = year of the cruise; 99 = 2-digit number and is sequential; 01 denotes the first cruise that vessel made in this year, 02 is the second, etc.)
REGION	Valid Values: AI=Aleutian Islands, BS=Bering Sea, GOA=Gulf of Alaska, WC=West Coast,HBS=Hydroacoustic Bering Sea, HG=Hydroacoustic Gulf of Alaska, HWC=Hydroacoustic West Coast
EVENT	Valid Values: whole numbers. This value serves to uniquely identify each deployment of the device within a cruise. It is a unique sequential number and generally, in order of chronological occurrence
HAUL	This number uniquely identifies a haul within a cruise. It is a sequential number, in chronological order of occurrence.
DROP_TIME	Date and time of deployment of the device
LATITUDE	Latitude (decimal degrees) where the device was deployed.
LONGITUDE	Longitude (decimal degrees) where the device was deployed.
BOTTOM_DEPTH	meters (m)
STRATUM	RACE statistical area for analyzing data. Strata were designed using bathymetry and other measures of habitat; References RACEBASE.STRATUM
STATION	Alpha-numeric designation for the Station established in the design of a Survey
DEVICE	Valid Values: CTD=conductivity temperature depth, MBT=microbathythermograph, SBE=Seabird Electronics BT, XBT=expendable bathythermograph
DEVICE_ID	Valid Values: Whole numbers and null. This value serves to uniquely identify each piece of bathythermic equipment used in the survey. A null value indicates that the DEVICE_ID is unknown
UP_DOWN	Valid Values: U=upcast, D=Downcast, null=unknown
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table

Table Name HAUL

Table CommentsSummary values describing each haul (i.e. location, how long the tow lasted, how deep, how far, net width, net height, bottom type, depth and temperature)

Column Name	Column Comments
SURFACE_TEMPERATURE	Surface temperature, in tenths of a degree, Celsius. Null values indicate temperature not recorded.
GEAR_TEMPERATURE	Weighted average temperature (in tenths of a degree Celsius) measured at the maximum depth of the headrope of the trawl. Null values indicate temperature not recorded.
WIRE_LENGTH	meters (m); Length of trawl wire (warp) deployed.
GEAR	Type of trawl or gear deployed. Domain: RACE ADP Codebook:Gear Code
ACCESSORIES	Accessories modifying GEAR. Domain: RACE ADP Codebook: Gear Accessories
SUBSAMPLE	Denotes whether and how catch was subsampled. Domain: RACE ADP Codebook: Catch Subsample code
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table
CRUISEJOIN	This is a unique numeric identifier assigned to each (VESSEL,CRUISE) combination
HAULJOIN	This is a unique numeric identifier assigned to each (VESSEL,CRUISE,HAUL) combination
REGION	Valid Values: AI=Aleutian Islands, BS=Bering Sea, GOA=Gulf of Alaska, WC=West Coast,HBS=Hydroacoustic Bering Sea, HG=Hydroacoustic Gulf of Alaska, HWC=Hydroacoustic West Coast, TAG=Fish Tagging
VESSEL	Domain: RACE ADP Codebook: Vessel Codes
CRUISE	This is a six-digit number identifying the Cruise number. It is of the form: YYYY99 (where

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Table Name HAUL

Table Comments Summary values describing each haul (i.e. location, how long the tow lasted, how deep, how far, net width, net height, bottom type, depth and temperature)

Column Name	Column Comments
HAUL	YYYY = year of the cruise; 99 = 2-digit number and is sequential; 01 denotes the first cruise that vessel made in this year, 02 is the second, etc.) This number uniquely identifies a haul within a cruise. It is a sequential number, in chronological order of occurrence.
HAUL_TYPE	Domain: RACE ADP Codebook: Haul Type
PERFORMANCE	Domain: RACE ADP Codebook: Performance Codes
START_TIME	Date. This is the date and time at the beginning of the haul
DURATION	Decimal hour. This is the elapsed time between start and end of a haul
DISTANCE_FISHED	kilometers (km) in thousandths of a km
NET_WIDTH	Measured or estimated distance (m) between wingtips of the trawl.
NET_MEASURED	This is a Y/N field, to indicate whether the NET_WIDTH was measured or estimated: Yes (Y) means that NET_WIDTH was measured and (N) indicates that NET_WIDTH was calculated
NET_HEIGHT	Measured or estimated distance (m) between footrope and headrope of the trawl.
STRATUM	RACE database statistical area for analyzing data. Strata were designed using bathymetry and other measures of habitat and are unique to each survey series.
START_LATITUDE	The latitude (decimal degrees) at the start of the haul
END_LATITUDE	The latitude (decimal degrees) at the end of the haul
START_LONGITUDE	The longitude (decimal degrees) at the start of the haul.
END_LONGITUDE	The longitude (decimal degrees) at the end of the haul
STATIONID	Alpha-numeric designation for the Station established in the design of a Survey.
GEAR_DEPTH	Meters (m). Weighted average depth (m) of trawl measured at the headrope (Groundfish) or footrope (MACE). Prior to (year?), before NET-HEIGHT was regularly measured, this value was used synonymously with BOTTOM_DEPTH.
BOTTOM_DEPTH	Meters (m). Weighted average depth (m) and is calculated by adding GEAR_DEPTH to NET_HEIGHT. Prior to (year), before NET_HEIGHT was regularly measured, this value was obtained using either echosounder or bathythermograph.
BOTTOM_TYPE	Domain: RACE ADP Codebook: Bottom Type Code

Table Name LENGTH

Table Comments Summarizes length frequency by species and sex for each haul

Column Name	Column Comments
CRUISEJOIN	This is a unique numeric identifier assigned to each (VESSEL,CRUISE) combination
HAULJOIN	This is a unique numeric identifier assigned to each (VESSEL,CRUISE,HAUL) combination
CATCHJOIN	Sequence generated unique identifier for (VESSEL,CRUISE,HAUL, SPECIES_CODE) combination
REGION	Valid Values: AI=Aleutian Islands, BS=Bering Sea, GOA=Gulf of Alaska, WC=West Coast,HBS=Hydroacoustic Bering Sea, HG=Hydroacoustic Gulf of Alaska, HWC=Hydroacoustic West Coast
VESSEL	Domain: RACE ADP Codebook: Vessel Codes
CRUISE	This is a six-digit number identifying the Cruise number of the form: YYYY99 (where YYYY = year of the cruise; 99 = 2-digit number and is sequential; 01 denotes the first cruise that vessel made in this year, 02 is the second, etc.)
HAUL	This number uniquely identifies a haul within a cruise. It is a sequential number, in chronological order of occurrence.
SPECIES_CODE	Domain: RACE Species Codebook
LENGTH	Millimeter (mm)
FREQUENCY	Must be at least 001
SEX	Valid Values: 1=male, 2=female, 3=undetermined
SAMPLE_TYPE	Domain: RACE ADP Codebook:Length-Frequency Form: Sample Type; For Cruises: (WC 2198304, WC 23198401, WC 63198501S)"SUBSAMPLE TYPE" CODE USED TO INDICATE WHAT KIND OF TRAP was used sampletype 4 is defined as randomly selected

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Table Name LENGTH

Table Comments Summarizes length frequency by species and sex for each haul

Column Name	Column Comments
LENGTH_TYPE	from rectangular pots and sample type 5 is defined as randomly selected from conical pots. For additional information see RACEBASE.NOTES Domain: RACE ADP Codebook: Length-Frequency Form: Length Type
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table

Table Name PROFILE

Table Comments Water column data. It references RACEBASE.EVENT for each individual events

Column Name	Column Comments
VESSEL	Domain: RACE ADP Codebook: Vessel Codes
CRUISE	This is a six-digit number identifying the Cruise number of the form: YYYY99 (where YYYY = year of the cruise; 99 = 2-digit number and is sequential; 01 denotes the first cruise that vessel made in this year, 02 is the second, etc.
EVENT	a unique sequential number, in order of chronological occurrence, identifying the deployment of the device
DEPTH	meters (m)
TEMPERATURE	Celsius
SALINITY	Practical Salinity Units (psu)
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table

Table Name SPECIES

Table Comments Lookup for animals encountered in Groundfish surveys. It includes species names, common names, their associated species_codes, and if they are found in the Bering Sea, Gulf of Alaska, and/or West Coast

Column Name	Column Comments
SPECIES_CODE	Domain: RACE Species Codebook
SPECIES_NAME	The scientific name of the organism associated with the COMMON_NAME.
COMMON_NAME	The common name of the marine organism associated with the SCIENTIFIC_NAME
REVISION	3-digit code identifying the year that the species was added to the species code. a=added YY=year the species was added
BS	This is a Y/null field, to indicate whether the species is present (Y) or absent(null) from catches in this region
GOA	This is a Y/null field, to indicate whether the species is present (Y) or absent(null) from catches in this region
WC	This is a Y/null field, to indicate whether the species is present (Y) or absent(null) from catches in this region
AUDITJOIN	This is a unique identifier for each record in the base table, to be used in corresponding audit tables to identify the original record in the base table

Table Name STATIONS

Table Comments Lookup of station_id and their coordinates

Column Name	Column Comments
STATIONID	Alpha-numeric designation for the Station established in the design of a Survey. In the Eastern Bering Sea, these stations have remained constant from the beginning of this time series. In other regions, sampling locations vary and are identified by station grid cell in which the haul took place.
LATITUDE	Latitude in decimal degrees
LONGITUDE	Longitude in decimal degrees
STRATUM	RACE statistical area for analyzing data. Strata were designed using bathymetry and other measures of habitat; References RACEBASE.STRATUM