iRecord Data Processing Rules

# Skip

Records within the same input file which exhibit the following characteristics are written to the ‘Skipped’ tab:

| **ID** | **Name** | **Description** |
| --- | --- | --- |
| 1 | Duplicates | A duplicate record is one in which all of the following output fields are identical with those of another record:  Scientific or Common Name; Date; Location; Grid Ref; Abundance; Sex/Stage; Record Type; Observer; Determiner  Indicated by status type: Duplicate |
| 2 | Large grid reference | A large grid reference is one which has fewer than six characters – i.e. each record must have a minimum resolution of 1km. For example, SJ31 is unacceptable but SJ3173 is acceptable.  Indicated by status type: Gridref |
| 3 | Grid reference out of region | If a GIS shape file is supplied (see the optional File\_GIS configuration variable), the grid reference must lie at least partially within the region represented by the shape file. For example, grid reference SK442845 lies outside the VC58 region.  Indicated by status type: Region |
| 4 | Licence | A licence type must not be ‘CC BY’ or ‘CC BY-NC’ unless the recorder has separately granted permission to use their records (see the optional File\_iNatPermissions configuration variable).  Indicated by status type: Licence |
| 5 | Rank | A rank must not be ‘domain’, ‘kingdom’, ‘class’ or ‘order’. A rank of ‘family’ is only acceptable for insect orders. A rank of ‘genus’ is only acceptable for insects, plants and bats.  Indicated by status type: Rank |
| 6 | Verification status | 'Verification status 1' must be one of ('accepted', 'queried', 'unconfirmed'), and:  'Verification status 2' must be one of ('considered correct', 'correct', 'not reviewed', 'plausible', 'unconfirmed', '').  Indicated by status type: Verification |

# Modify

The contents of output records are modified as follows when being written to the ‘Swift’ tab:

| **ID** | **Name** | **Description** |
| --- | --- | --- |
| 1 | Identity | * Applies to the 'Observer' and 'Determiner' output fields. * Output identities are presented as (firstname surname). * The order of names is reversed if supplied as (surname, forename). * If a username has been supplied as the identity, then lookup in the optional username spreadsheet (see File\_UserIdenties configuration variable) to determine whether permission has been granted to swap the username with the actual name. If permission has not been granted then attribute as either ‘Anon at iRecord’ or 'Anon at iNaturalist', dependent upon source. * Use only the first identity if more than one identity supplied.   Examples:   |  |  | | --- | --- | | **Input** | **Output** | | Kevin Daughters | Kevin Daughters | | Mr J F Jones | Mr J F Jones | | Brighton, Phil | Phil Brighton | | McWilliam, S.J. | S.J. McWilliam | | Higginson-Tranter, Dave | Dave Higginson-Tranter | | Field, Anna; Ashton, Sean; | Anna Field | | Hancell, Ms J.C.; McWilliam, S.J. | Ms J.C. Hancell | | dusters | Anon at iNaturalist | | smcwilli | S.J. McWilliam | |
| 2 | Record Type | * Applies to the 'Record Type' output field. * If an image string (e.g. a filename or URL) has been supplied for the ‘Images’ input field, then use 'Photographed (or videoed)' as the output value. * Else if no input ‘Sample method’ has been supplied, then use 'Field Record'. * Else if a sample method has been supplied, perform a lookup in the optional record type spreadsheet (see the File\_RecordType configuration variable). If no lookup match found, then use blank entry and write warning.   Examples:   |  |  |  | | --- | --- | --- | | **Sample method (input)** | **Images (input)** | **Record Type (output)** | | Net |  | Trapped (netted) | | 412 Mustard sampling |  | Mustard sampling | | Unknown |  | Field record | |  |  | Field record | |  | o\_1h7o0degg10md1shae.jpeg; CC0 | o\_1h7o0degf1tcbsa.jpeg; CC0 | Photographed (or videoed) | | Net | https://inaturalist-open-data.s3.amazonaws.com/4/square.jpeg; no rights reserved; CC0 | Photographed (or videoed) | |
| 3 | Comments | * Applies to the ‘Comments’ output field. * Create a comments fields which is a composite of the 'RecordKey', 'Source', 'Recorder certainty', Comment, 'Sample comment', 'Verifier', 'Licence' input fields, dependent on whether the fields exist in the input record.   Examples:   |  | | --- | | **Comments** | | [iRecord Key: "iBRC12713280"] [Source: "iRecord | iRecord App"] [Verifier: "Parker, Tony"] [Verified on: "05/02/2020"] | | [iRecord Key: "iBRC12712865"] [Source: "iRecord | iRecord general data"] [Recorder certainty: "Certain"] | | [iRecord Key: "iBRC12712811"] [Source: "iRecord | iRecord Import"] [Recorder certainty: "Certain"] [Sample Comment: "Wadeson Way"] [Verifier: "Stewart, Alan"] [Verified on: "23/02/2020"] | |
| 4 | Sex/Stage | * Applies to the ‘Sex/Stage’ output field. * Combine the ‘Sex’ and ‘Stage’ input fields into a single value. Use standard terminologies for sex and stage values. * Check the ‘Comments’ field for use of stage terms.   Examples:   |  |  |  | | --- | --- | --- | | **Sex (input)** | **Stage (input)** | **Sex/Stage (output)** | | not recorded | adult | Adult | | male | Adult | Adult male | | female | Adult | Adult female | | not recorded | Nymph | Nymph | |  | Larva | Larva | |
| 5 | Abundance | * Applies to the ‘Abundance’ output field. * Lookup corresponding values for taxon group-specific codes in the optional abundance mapping spreadsheet (see the File\_Abundance configuration variable). * If only a single letter value is provided as input but there is no corresponding match in the lookup spreadsheet, use ‘Present’ as the output value.   Examples:   |  |  |  | | --- | --- | --- | | **Taxon group (input)** | **Count of sex or stage (input)** | **Abundance (output)** | | insect - true bug (Hemiptera) | 20+ | 20+ | | insect - hymenopteran | 3 | 3 | | insect - butterfly | B | 2 to 9 | | insect - butterfly | E | 100 or more | | mollusc | F | Present | |

# Clone

The contents of output records in the ‘Swift’ tab are cloned as follows:

| **ID** | **Name** | **Description** |
| --- | --- | --- |
| 1 | Mixed sex or stage | * Where a single input record indicates an observation with more than one sex or stage, then the record will be cloned (i.e. multiple copies made), separating the sex or stage as appropriate. * An identical value in the ‘Key’ field indicates that output records have been cloned from the same input record.   Clones indicated by status type: Cloned  Examples:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Key** | **Sex (input)** | **Stage (input)** | **Count of sex or stage (output)** | **Abundance (output)** | **Sex/Stage (output)** | | 1 | mixed | Adult | 1m, 3f | 1 | Adult male | | 1 | mixed | Adult | 1m, 3f | 3 | Adult female | | 2 | mixed | Adult | B | 2 to 9 | Adult male | | 2 | mixed | Adult | B | 2 to 9 | Adult female | |