

# Matching the general and cluster databases

## A question of naming

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**Abstract.** There have been requests to make links from the Milano DB into the cluster XXLDB. A preliminary attempt in such sense has been made, and the issues arisen, which mainly concern object naming, are presented here.

**Key words:** LSS; XXL

### 1. Introduction

In several contexts, like e.g. the XXL-GAMA Matching Group, the question has been raised about a best form of linking from the general Milan DB tables and the cluster DB (XXLDB) maintained in Lyon.

In particular it has been suggested to use the XXLDB "tag" as a form of unique identifiers and pointer.

I have investigated the issue, and found a number of issues and features mainly related to object naming and selection, which I report below. Some of them were not unexpected because similar ones were experienced in the past while correlating the XMM-LSS predecessors of both databases. This report was initially provided to trigger discussion, but it has now been finalised in a reference document for the wiki. **Naming problems are likely to be settled later when XAMIN 3.4 will be taken in consideration.**

Soon after I circulated the original draft, an update to the XXLDB adding 22 new clusters was announced. I therefore circulated a revised draft on 19 Sep 2013. Changes due to such XXLDB update, and on problems related to handle updates, are indicated in blue.

*Finally in May 2014 I aligned to the latest XXLDB and issued the report as it stands. Changes related to the final version are indicated in green.*

### 2. Content of the databases

Both databases have origin from the same input data, i.e. the catalogues produced by the XAMIN pipeline. However they are structured and managed differently. Below I try to evidenciate the main practical differences.

#### 2.1. The Milan DB

The X-ray part of the Milan DB consists of different logical layers, all of which are somehow accessible via the **DART** web interface.

- the *input layer* is represented by the XAMIN FITS catalogues (per pointing and per band). They are not *queryable* in the Milan DB, but can be accessed as *data products*. Each detection is identified by a numeric **id**, which is only unique inside a pointing. Pointings are *currently* identified by the standard XXL names (see 3).
- the next layer is represented by the *single band ingested tables*. They have names like e.g. **north33b** for XAMIN version 3.3 band B (soft). All detections from all pointings are merged in the same table (separately per band, and for north and south areas), therefore the unique identifier is either the combination of fieldname (or number) and XAMIN id, or the record sequence number (**seq**) in the table. Both soft and hard sources are classified as pointlike (P), C1 or C2 extended (E) according to the same nominal recipe.
- the next layer is represented by the *band merged tables*, with names like **north33**. Detections in the two bands are merged for all pointings. The primary unique identifier is therefore the record sequence number (**seq**) in the merged table. The original id's (pointing-related) are preserved in merged form and the pointlike/extended and C1/C2 classifications are also merged. Therefore sources classified E- (soft-only), EE, EP or even -E (hard-only) are considered extended, while P-, PP, PE and -P are pointlike. If sources with soft id **sss** and hard id **hhh** are merged, the resulting id is **ssshh** (e.g. 001074). For soft-only or hard-only sources, the other part of the id is set to zero (e.g. 058000 or 000194).
- The final layer is represented by *catalogues*. These are views into the tables of the previous two layers kept together via a GCT (Generalized Correlation

Table) which contains the `seqs` of the member tables. The views appear as tables, with names like `XXLN` or `XXLS`. It appears as if they would contain a subset of the objects in the previous layers, with overlap among adjacent pointings removed. The **unique source identifier** is represented by `Xseq` which is the sequence number in the related merged table (e.g. `XXLN.Xseq=north33.seq`). The **IAU-style source designation** is built on-the-fly from source coordinates (refer to the recently issued naming memo).

Currently the Milan XXL ("pink") DB contains all layers for the XAMIN 3.3 version. Data from earlier versions are kept in the XMM-LSS ("blue") DB. Each version had a **separate and consistent set** of layers with *independent identifiers*. For instance the published 2XLSSd catalogue depends on `jan11` tables based on XAMIN 3.2, while the published XLSS catalogue depends on `nov06` tables and the XAMIN IDL pipeline. Other partial internal releases were based on interim versions.

For historical details consult pages <http://cosmos.lambrate.inaf.it/~lssadmin/Website/LSS/List/goepic.html> and <http://cosmos.lambrate.inaf.it/~lssadmin/Website/LSS/List/.lssastroreport.html>.

## 2.2. The Lyon DB

The XXLDB starts from the very same XAMIN FITS catalogues delivered to Milan, and lists a choice of candidate clusters (i.e. extended sources) drawn from them.

I have no details on the internal organization of the XXLDB so I will concentrate on the way it is presented to the user by the web interface.

If one enters the "display a subset of clusters" and performs a default selection it *used to* return *391 out of 449* objects. If one *clears* all selection conditions, the selection returns *449 out of 449* objects.

From this I inferred the current sample consists of 449 objects. Playing with the selection conditions one realizes that the 58 "hidden" objects are those with a *multiplicity greater than 1* i.e. the *secondaries*.

After the addition of 22 new clusters, the total sample consists of 471 objects. *This is still the case for the current release. In the latest release users with GAMA privileges see the same sample, but there is an additional column with an otherwise unspecified numeric GAMA identifier (used to point to additional data).*

One can then access the tabular information in three formats:

- At the bottom of each web page there is a link to a *FITS file*. This is called `xxldb_c1c2c3.fits` and is always the same irrespective of the query. It contained 30 columns for 391 objects, therefore it represents the *complete, multiplicity-free, sample* without secondaries. *Apparently the FITS file had not been updated after the addition of the 22 new clusters and*

*still contained 391 objects. Recently it was updated to 31 columns for 409 objects. The new column is CLASS0123, the C1/C2 classification, also still implicit in the shortname.*

- At the bottom of each web page there is also a link to a *plain text file*. This is different for each query, but does not contain all wished info (for instance there is not the multiplicity info).
- The web page itself contains some of the useful info like the multiplicity, so at the end I retrieved the HTML source (for a query returning all 449 objects) and parsed it myself with `awk` into a text file which contains what I need. *I repeated the retrieval of the HTML sources with all 471 objects after the addition of the 22 new clusters. I moved the new sources at the very end of the list to facilitate comparison. I found that previous entries were identical but for the changes described in 3.3. I repeated the retrieval recently, still with 471 objects. There were a number of changes in content, but not relevant to the present report which limits to names and coordinates. They are anyhow described at the end of 3.3. The GAMA flag column is visible to users with GAMA privileges and only in the web page.*

The reason I need to access the full list of 449 candidates including the secondaries, is that I have to check the choices made in case of overlapping pointings (they could be different from the ones done in the Milan DB).

Concerning *identifiers* the **tag** (in the form of the prefix `n` or `s` followed by four digits) is clearly the main working (unique) identifier. The **main** pointer for secondaries relates each secondary to the tag of its primary.

In addition the **XLSSC** number is the official cluster number to be assigned to confirmed clusters. Since it is not set for all candidates, it will not be my primary key at the present time. *Some issues relevant to the management of XLSSC in case of updates are reported in 3.3.*

There are two other names, the **shortname** and the **IAU name**. The latter is present only in the FITS file (and moreover is incorrect, see next section), while the shortname condenses in a single string various useful information:

- the pointing identifier
- the detection XAMIN id
- the XAMIN version
- the C1/C2 classification

Unfortunately XXLDB has been created in an incremental way. Each cluster was entered at the time of accession from the XAMIN version current *pro tempore*, so the identifiers do not refer all to the present official XXL release (3.3). As a side effect also the pointing names do not all follow the present XXL convention, while the id's are obviously relevant to a version-dependent FITS catalogue. Finally the C1/C2 classification is sometimes missing, and sometimes set to C3.

There are also coordinates, but they are given with few digits of precision, and I am able to understand whether they are optical or X-ray coordinates, and whether they are raw or astrometrically corrected ones.

### 3. Naming issues

I proceeded initially as follows:

I retrieved the FITS file with the 391 (*now 409*) official candidates and ingested tag, XLSSC, shortname, IAU name, coordinates, status, quality, class and redshift in a database table.

I retrieved and parsed the HTML table with all 449 (*now 471*) candidates and ingested tag, XLSSC, shortname, coordinates, status, quality, class and redshift plus nlinks and linktag (i.e. the tag of the primary) in another database table. [Later I repeated the retrieval and parsing for the HTML table with 471 elements. I ingested the 22 new ones appending them to the previous database table, while the entries for the 7 old objects requiring an update were done manually as described in 3.3. In the latest ingestion I regenerated the tables afresh, while keeping the older tables, used in the drafts, as backup. The GAMA column was updated later.](#)

I expected the two tables to match for the common 391 objects, which generally occurs but for irrelevant format differences (blank or null strings), for cases of "work in progress" (the HTML had three non-zero redshifts which were zero in the FITS file, and were marked as `provisiona` (sic!) or `tentative`, and for the following errors on two of the name columns.

- shortname is incorrectly truncated to 20 characters in the FITS file even when it should be longer. This occurred in 275 cases, e.g. for tag `n0105` name `S01_10ks_c_111_v3.1_c2` is truncated to `S01_10ks_c_111_v3.1_` with obvious loss of information.
- the syntax of the IAUname is incorrect with respect to the IAU rules (there should a blank between the prefix and the letter J: `XLSS J021831.8-050057` not `XLSSJ021831.87-050057`)
- the syntax of IAUname is also incorrect with respect to our conventions (there are two decimal digits for fraction or RA second instead of one, see same example above)
- The prefix used is not the correct one ! `XLSS` is registered for use by the first release of the XMM-LSS catalogue (i.e. Pierre et al. 2007) and cannot be used to refer to later versions. According to our rules, `XLSSU` should be used in advance of publication, or `3XLSS` for official results of the 3.3 pipeline. Easiest solution is to drop any prefix and put it in the column name (as they do sometimes at CDS), which also saves space.
- I was not able to trace which coordinates were used to build the IAUname (they should be the XXL astrometrically corrected ones)

**Actually all this can be easily cured in a next release.** Also the IAU name (registered as an *X-ray source name*) is not the primary information for the cluster catalogue (for which it is the XLSSC `nnn` name registered with IAU as a *galaxy cluster name*). It merely *associates* a cluster to an X-ray source (in the main catalogue, i.e. the one in Milan), therefore it can be inserted a posteriori from it (and as a result of the work described below).

#### 3.1. Association by field and id

To start with I parsed fieldname, detection id, XAMIN version and C1/C2 classification out of the shortname.

Most sources have standard C1/C2 classification, but two objects are classified C3, and 16 are classified C0. The latter are all secondaries but `n0195`. Secondaries are not exhausted by the C0. [20 of the 22 new clusters are C0, one C1 and one C2.](#)

Concerning versions:

- 304 candidates appear processed by XAMIN3.3. and all have fieldnames consistent with the current naming conventions (`XXLn` or `XXLs`, refer to the wiki). Therefore I expect to look for them in the `north33` or `south33` tables.
- 28 candidates are flagged version 3.2. The field name here is in the old XMM-LSS form `Gnn` or `Bnnx`, or `Snnfull` for SXDS (aka "subaru") fields. I expect to look for them in the `jan11` table, i.e. `2XLSSd` catalogue.
- 34 (*now 37*) candidates are flagged version 3.1. Field names follow the same convention as above but there are `Snn_10ks_c` for SXDS (10ks chunks !).
- 74 (*now 90*) candidates are flagged version 2.1. Field names use an older convention with lower case and no observation repeat specifier : `gnn` or `bnn` for what should be `Bnna`. I expect to look for them in the `nov06` table i.e. `XLSS` catalogue.
- 1 (*now 3*) and 7 candidates are flagged version 2.0 or even older 1.1 !
- [Of the 22 new objects, 2 are flagged version 3.1 \(one in a 10ks SXDS chunk\), 16 are flagged version 2.1, 2 as version 2.0 \(and are those with a valid C1/C2 classification\), and 2 as not detected in X-rays \(sic!\). This is included in the amendments listed in green above.](#)

For the *3.3 version objects* I get as expected 103 matches with `north33`. All classified extended with same C1/C2 but for two pointlike P-: `n0281` classified C3 in `XXLDB`, and `n0342` which is a secondary.

I get 202 matches instead of 201 expected for `south33`, because `s0285` has two counterparts (merging artifact, EPs with seq 224816 and 224817 and id's 009102 and 009103 referring to the same soft detection). Here too same extended and C1/C2 classification but for one PP `s0301` classified C3 in `XXLDB`.

For the *3.2 version objects* I originally find 10 out of 28 sources matching sources in `jan11` with same id in same field. I then note that XXLDB uses names like e.g. `S04full` for SXDS fields while `jan11` uses `S04` (and both are different from the new canonical names like `XXLn998-04z`). Editing the name matches, I can associate 21 out of 28 sources by id, of which however 6 are pointlike in `jan11`. The remaining 7 sources cannot be located in `jan11`, nor in its predecessor table `jun09`. I can instead locate these (as extended sources, and possibly also the 6 pointlike above as extended) in an interim table `feb09` which was actually the first release with XAMIN 3.2 (doing this I have to take into account different naming convention like `B13ter` instead of `B13c` or `B68bis` instead of `B68b`).

For the *3.1 version objects* I find originally 25 matches by fieldname and id in an interim database table called `ju107`, all extended but two (`n0193`, a secondary, and a primary `n0195`, both classified C0 in XXLDB). I can recover 4 more objects in fields named `G12`, `B04`, `B22` in XXLDB, but which actually are `G12bis`, `B04bis`, `B22bis` in `ju107`. The 6 remaining objects are in 10 ks SXDS "chunks" (names like `S01_10ks_c`) which are stored in Milan in an obsolete table `BACKUPsubaru` since they were later superseded by a re-analysis of the 10 ks chunked exposures. [The two new objects are one in ju107 and one in BACKUPsubaru, both soft pointlike.](#)

For the *2.1 version objects* they match as expected sources in `nov06`, all extended with same C1/C2 but 6 pointlike sources where XXLDB has C0 (and which are all secondaries). [The 16 new objects all match pointlike nov06 sources.](#)

For the *objects with earlier versions* in XXLDB, it is not worth checking with earlier database tables in Milan (like `ju106` or `may05`, which moreover do not have coded fieldnames but just field numbers).

*The matching procedure has been repeated for the latest sample in the same way. It is not worthwhile to report the detailed numerology.*

Anyhow the fact that an XXLDB object has a correct association in an older table in the Milan XMM-LSS database is of mere academic interest, since we are now going to deal with the XAMIN 3.3 XXL tables *only*. Therefore one needs to make an association by position.

### 3.2. Association by position

As a first exercise I tagged with `direct=1` or `direct=2` the objects identified by fieldname and id respectively in `north33` and `south33` and compared the position recorded in XXLDB with the X-ray position in the Milan DB, as well as the IAU-style catalog names. However, since the coordinates in XXLDB are stored with few digits, the matches are often just within 3" (and even with some outliers) and the catalog names are not relevant.

For all (145) objects in XAMIN versions earlier than 3.3, I first of all generated the expected field name with the XXL naming convention (refer to Report XI for a table of matches, in particular remember that `B35b` is `XXLn000-35c`). Note also that all old objects belong to the XMM-LSS, i.e. to the northern field.

Then I looked for a source within 10" in the same pointing in `north33`. In 32 cases I found none, for 111 out of the remaining 113 I found just one, in two cases only I found two and arbitrated manually (for `n0055` I chose the extended object which is also closer, for `n0178` I selected the closest, which is a PP). So I have 75 matches with an extended source in the same field, and 38 with a pointlike one. I tag them respectively as `direct=11` and `direct=20`.

For the 32 unassociated cases (of which 12 are secondaries) I looked for a nearby source, preferably extended, in *another* pointing. In this case I used 15" for association (10" will resolve only 4 sources of which one extended), and fixed 10 cases. I tag the 6 extended ones as `direct=21` and the 4 pointlike ones as `direct=30`.

Then I reconsidered the `direct=20` (pointlike found in same field) to see if there is an extended source in *another* field which is closer. I found 2 which were re-tagged `direct=121`.

22 sources from earlier XAMIN versions remain unassociated (6 are secondaries).

For the 22 new objects, 16 are `direct=20`, 2 `direct=30` (i.e. all pointlike) and 6 unassociated. One of the `direct=30` corresponds to one of the originally X-ray undetected cases.

*The final numerology has 103 and 201 direct north and south associations, 75 direct=11, 48 direct=20, 7 direct=21, 7 direct=30, 2 direct=121 and 28 unassociated.*

Anyhow a by-product of the association is to locate the `seq` of the X-ray source in the Milan tables `north33` or `south33`, and to build the IAU-style catalogue name from the astrometrically corrected coordinates.

Now the fact a source has been located in `north33` or `south33` is not a guarantee it will be present in the overlap-free catalogues `XXLN` or `XXLS` (see Report XII).

In the southern area, where all sources are drawn from XAMIN 3.3, 191 out of 201 sources are present in the `XXLS` catalogue (tagged as `xx1=2`).

In the northern area 196 out of 248 are present as such in the `XXLN` catalogue, and tagged `xx1=1` (while 22, as we know from above, are unassociated).

For the sources which are not present in the catalogue, we can consult the hidden tables `assocnorthoverlap` or `assocsouthoverlap` to find the catalogued source in favour of which they have been discarded.

In the southern area we recover 9 out of 10 objects (7 extended, one soft pointlike, and one hard-only nominally extended) in other fields. The single remaining object is `s0301` which was associated to a *spurious* PP (i.e.  $ML <$



15, and therefore not included in XXL), and indeed is classified C3 in XXLDB.

In the northern area we recover 20 out of 30 objects in other fields (all extended but n0017 and n0118, in both cases the catalogued object as well as the original association in north33 are pointlike, they were C2 in XXLDB because of the earlier version, respectively 2.1 and 3.2). The 10 remaining objects are all not found in XLN because *spurious*. 8 of them come from old XAMIN versions as C2. The two with `direct=1` i.e. coming from XAMIN 3.3 are n0281, classified C3 in XXLDB, and n0342, a secondary.

The `xx1` flag is assigned values -1 or -2 for the recovered objects from XLN or XLS, while remains 0 for objects not in the catalogues.

- A positive definite `xx1` means the native XXLDB-Milan association is also in the catalogues (so the previously found `seq` is also the `Xseq` in the catalogue)
- A negative `xx1` means there is an association to the catalogues with an `Xseq` different from the "native" `seq`. There are a total of 29 cases, effect of the "overlap removal choice"
- `xx1=0` means association to spurious sources (`seq` known) or no association. Respectively 11 and 22 cases

Of the 16 out of 22 new objects with an association in north33, 10 are in XLN, 1 is recovered via `assocnorthoverlap` and the other 5 are spurious X-ray sources not entering XLN.

*At the end we have 206 and 191 north and south positive association, a total of 30 with a negative flag, and 44 `xx1=0`.*

370 (now 384) cases have the same C1/C2 classification (including 9 pointlike aka C0). 79 cases (now 84) (of which 17 are secondaries) have a different classification, They include the 22 unassociated. 21 are anyhow extended i.e. the Milan DB has C1 or C2 in front of XXLDB with C2, C0 or rarely C1. The rest are pointlike (both bands or soft-only) but for one hard-only extended and one hard-only pointlike.

I report a summary of the mapping in the following table (comments to the caption are reported in the last page). *Actions resulting in updates to the Milan DB are reported in section 3.4.*

As a final exercise (*still valid*), I have performed the reverse check, i.e. how many of the objects flagged extended in the Milan DB are present in the XXLDB.

north33 contains 439 nominally extended sources. Dropping the 73 hard-only ones, 366 remain of which 321 are included in the XLN catalogue. Just 183 of them (actually 171 distinct because the secondaries map to the same `Xseq` as their primary) are present in XXLDB.

south33 contains 594 nominally extended sources. Dropping the 158 hard-only ones, 436 remain of which 322 are included in the XLN catalogue. Just 198 (194 distinct) are present in XXLDB.

Concerning the table below, the various columns shall be read like this:

- The first three columns are directly read from the XXLDB: the tag, the pointer to the primary tag for secondaries, and the original shortname
- Columns 4 to 6 are derived parsing the fieldname, the id, and the C1/C2 classification out of the shortname. However the fieldname is converted into the *expected* XXL name.
- In column 6 C0 or C3 "anomalous" classifications are highlighted in **red**
- Column 7 is the `seq` in tables north33 or south33 if an association is successful. Columns 8 and 9 are the `direct` and `xx1` flags explained in text.
- Column 10 is the `Xseq` in the catalogues XLN or XLS. When highlighted in **magenta**, it means it is different from the `seq` in column 7 (column 9 is negative, effect of choice due to overlap removal !)
- Columns 11 to 15 refer to the source identified by `Xseq`. Column 11 is Milan's "PEPE" classification according to the standard recipe.
- Column 12 is the C1/C2 classification. It is highlighted in **red** for pointlike sources (zero), and in **blue** when it is different from the XXLDB one in column 6
- Column 13 is 1 and highlighted in **red** when the source is *spurious* ( $ML < 15$ ), which implies pointlike.
- Column 14 is the field name relevant to `Xseq`, and column 15 the associated soft id in the field (for n0093, n0174 and s0088, whose class is -P or -E, i.e. hard-only, this id is zero)
- Column 16 is an IAU name built from the astrometrically corrected coordinates of the source in column 10
- Column 17 is a short name tentatively reconstructed a posteriori from columns 14, 15 and 12.

Entries follows in the table like this: first one has all primary sources, and later all secondaries. Inside each category one has first the northern sources and then the southern sources, ordered by tag. As a by-product the pre-version 3.3 entries come first. Each sub-category is divided from the next by an horizontal rule. A double horizontal rule at the very bottom separates the 22 new clusters which were added after the original draft had been completed. The rest of the table is unaffected by changes in XLSSC numbering mentioned in 3.3. *The table is virtually unchanged in the final version. The only differences are that s0300 is now a secondary, and that n0356 and n0362 have a different association to `Xseq`.*

### 3.3. Managing updates

This entire section was added in the second draft, although not highlighted in blue.

Handling an update constituted by new entries (like the 22 ones from n0344 to n0365) is relatively easy if they

are isolated and appended at the end of the database table (the fact they were all faint pointlike objects selected from old XAMIN releases may be a semantic problem but not a technical one).

However the HTML page showed several other changes. Most of them are irrelevant for the correlation with the Milan DB (were changes to the "number of followup" link). However in 7 cases there was a change in a value, and this value was the important XLSSC number.

While appending new entries is very easy in mysql using the INSERT IGNORE command, entries with changed values are more tricky. An INSERT REPLACE will *overwrite entirely* the old entries with same tag, which is inconvenient if some columns were derived here (like the sequence number, or all the references to the XAMIN 3.3 field names and id's). A way out would be to generate UPDATE commands to set the changed columns (but one must know which !) for the objects with the affected tags (but one must know which !).

In the specific case moreover, the changed column was the "official cluster number" XLSSC. n0064 changed XLSSC from 66 to 71. n0098 changed XLSSC from 67 to 72. n0103 changed XLSSC from 68 to 73. n0113 to n0116, who had XLSSC 69 to 72, now have none ! While assigning a new XLSSC number to a source without should be OK, removing an existing XLSSC number should be extraordinary, and in such cases the old number should not be recycled to a different source ! Actually if the number (which is an *IAU-recognised cluster identifier*) is changed after publication, this looks a violation of IAU rules.

All this points out two things: the need to be careful in managing the XLSSC numbers; and the fact that the procedure to keep the Milan DB in synch with XXLDB still needs to be finalized.

*The final ingestion showed several differences with respect to the ones used in the drafts. Besides the fix to XLSSC in 7 cases, the status has been changed (usually improved) in 126 cases, the quality flag in 129 cases (all promotions to the newly defined values 5 or 6), 160 redshifts have changed, and one case of secondary association (s0300 secondary of s0201) introduced. Virtually all such changes are irrelevant to the present report (though scientifically very relevant).*

### 3.4. Milan DB updates

*This entire section was added in the final version, although not highlighted in green.*

I am providing the following material in the Milan DB.

- a table called `lyon` with a subset of parameters from XXLDB like redshift, distance class, quality and status, plus the XLSSC number and some form of renormalized shortname, as well as the GAMA flag. In addition it includes columns 7 and 10 from Table 1.

**Currently this includes both primaries and sec-**

**ondaries. Please advise if this is not desirable or more (scientific or other) information, or less, even none beyond the tag, shall be provided.**

- `lyon` is correlated with `north33`, `south33`, `XXLN` and `XXLS` as follows:
- I provide three *direct* correlation tables, i.e. in direction X-ray to `lyon`, and one *reverse* one, i.e. in direction `lyon` to X-ray,
- it is care of the users to exclude null correlations, e.g. for direct correlations add a clause `lyon.tag is not null`, and for reverse e.g. `north33.seq is not null` or alike
- since unfortunately north and south X-ray tables *do not use unique sequence numbers*, and `lyon` contains both northern and southern sources, it might be necessary to restrict a query to, e.g. for northern sources, `lyon.tag like 'n%'` for reverse correlations (this is done by construction in the direct correlations).
- The correlation labelled *both kind of X-ray sources* matches if the X-ray (X)`seq` matches either column 7 or 10 in Table 1.
- The correlation labelled *any raw X-ray source* matches column 7, i.e. sources present in `north33` or `south33`, even if spurious or discarded by overlap removal.
- The correlation labelled *overlap-free catalogued X-ray source* matches column 10, i.e. sources present in `XXLN` or `XXLS`.
- Just as a check a "raw" or "overlap free" correlation of `north33` with `lyon` returns 242 non-null correlations; a "both kind" correlation returns 263. 21 clusters will match two different X-ray sources, one on column 7 and one on column 10, like e.g. for tags n0017 or n0018; a reverse correlation returns 291 clusters in the north, of which 28 have a null `north33` counterpart
- For `XXLN` with `lyon`, a "raw" correlation returns 206 matches, while both the "overlap free" or "both kind" return 227. The latter will e.g. include the match of n0017 or n0018 with a "catalogued" X-ray source (column 10), while the "raw" correlation will *exclude* n0017 or n0018 because column 7 points to entries not in `XXLN` because of the overlap removal choices; a reverse `lyon` to `XXLN` correlation returns 270 of which 43 have no `XXLN` association (28 with no recognisable counterpart, and 15 due to overlap removal).

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### References

- Chiappetti, L., 2013a. Comparing XXL and 2XLSSd catalogues, A preliminary report, XMM-LSS Internal Report N. 11-Mi ( Report XI)
- Chiappetti, L., 2013b, The `XXLN` and `XXLS` catalogues, Preliminary release for internal use, XMM-LSS Internal Report N. 12-Mi (*now on the wiki, Report XII*)

Table 1: Correlation between XXLDB cluster list and Milan DB tables

data present in or parsed from XXLDB						Milan physical or virtual catalogues									reconstructed data	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
n0010		b05_44_v2.1_c2	XXLn000-05a	044	2	208907	20	1	208907	P-	0	0	XXLn000-05a	42	J022746.2-034406	XXLn000-05a_42_v3.3_c0
n0011		b10_29_v2.1_c1	XXLn000-10a	029	1	209391	11	1	209391	E-	1	0	XXLn000-10a	28	J022722.3-032143	XXLn000-10a_28_v3.3_c1
n0012		b11_29_v2.1_c1	XXLn000-11a	029	1	209496	11	1	209496	EP	1	0	XXLn000-11a	26	J022206.5-030314	XXLn000-11a_26_v3.3_c1
n0013		b12_66_v2.1_c1	XXLn000-12a	066	1	209601	11	1	209601	E-	1	0	XXLn000-12a	57	J022356.2-030552	XXLn000-12a_57_v3.3_c1
n0014		b15_194_v2.1_c1	XXLn000-15a	194	1	210015	11	1	210015	EP	1	0	XXLn000-15a	213	J022738.2-031759	XXLn000-15a_213_v3.3_c1
n0015		g01_201_v2.1_c1	XXLn000-81a	201	1	217053	11	1	217053	E-	1	0	XXLn000-81a	190	J022709.2-041804	XXLn000-81a_190_v3.3_c1
n0016		g02_143_v2.1_c1	XXLn000-82a	143	1	217135	11	1	217135	E-	1	0	XXLn000-82a	152	J022530.7-041418	XXLn000-82a_152_v3.3_c1
n0017		g04_191_v2.1_c2	XXLn000-84a	191	2	217489	20	-1	<b>217988</b>	PP	0	0	XXLn000-88a	9	J022351.3-041841	XXLn000-88a_9_v3.3_c0
n0018		g04_133_v2.1_c1	XXLn000-84a	133	1	217450	11	-1	<b>217278</b>	EP	1	0	XXLn000-83a	122	J022403.9-041331	XXLn000-83a_122_v3.3_c1
n0019		g04_131_v2.1_c2	XXLn000-84a	131	2	217448	11	1	217448	EP	2	0	XXLn000-84a	125	J022306.8-041257	XXLn000-84a_125_v3.3_c2
n0020		g05_170_v2.1_c2	XXLn000-85a	170	2	-1	-1	0								
n0021		g05_103_v2.1_c1	XXLn000-85a	103	1	217619	11	1	217619	E-	1	0	XXLn000-85a	112	J022725.9-043215	XXLn000-85a_112_v3.3_c1
n0022		g07_213_v2.1_c1	XXLn000-87a	213	1	217946	11	1	217946	EP	1	0	XXLn000-87a	190	J022524.6-044046	XXLn000-87a_190_v3.3_c1
n0023		g09_145_v2.1_c1	XXLn000-89a	145	1	218229	11	1	218229	EP	1	0	XXLn000-89a	146	J022205.4-043249	XXLn000-89a_146_v3.3_c1
n0024		g10_117_v2.1_c1	XXLn000-90a	117	1	218338	11	1	218338	EE	1	0	XXLn000-90a	113	J022740.0-045130	XXLn000-90a_113_v3.3_c1
n0025		g10_120_v2.1_c1	XXLn000-90a	120	1	218339	11	1	218339	E-	1	0	XXLn000-90a	115	J022802.7-045102	XXLn000-90a_115_v3.3_c1
n0026		g11_190_v2.1_c1	XXLn000-91a	190	1	218583	11	1	218583	E-	1	0	XXLn000-91a	191	J022609.5-045808	XXLn000-91a_191_v3.3_c1
n0027		g17_78_v2.1_c1	XXLn000-97a	078	1	219280	11	1	219280	E-	1	0	XXLn000-97a	74	J022455.9-050802	XXLn000-97a_74_v3.3_c1
n0028		b18_103_v2.1_c1	XXLn000-18a	103	1	210339	11	1	210339	E-	1	0	XXLn000-18a	86	J022559.5-024931	XXLn000-18a_86_v3.3_c1
n0029		b18_9_v2.1_c1	XXLn000-18a	009	1	210303	11	1	210303	E-	1	0	XXLn000-18a	7	J022616.1-023958	XXLn000-18a_7_v3.3_c1
n0030		b20_6_v2.1_c2	XXLn000-20a	006	2	210531	20	1	210531	PP	0	0	XXLn000-20a	12	J022059.0-043922	XXLn000-20a_12_v3.3_c0
n0031		b21_71_v2.1_c2	XXLn000-21a	071	2	210671	20	1	210671	PP	0	0	XXLn000-21a	75	J022141.9-042721	XXLn000-21a_75_v3.3_c0
n0032		b25_42_v2.1_c1	XXLn000-25a	042	1	211153	11	1	211153	EE	1	0	XXLn000-25a	38	J022145.3-034616	XXLn000-25a_38_v3.3_c1
n0033		b26_45_v2.1_c1	XXLn000-26a	045	1	211241	11	1	211241	E-	1	0	XXLn000-26a	62	J022045.0-032559	XXLn000-26a_62_v3.3_c1
n0034		b16_134_v2.1_c1	XXLn000-16a	134	1	210094	11	1	210094	E-	1	0	XXLn000-16a	124	J022347.8-025129	XXLn000-16a_124_v3.3_c1
n0035		b03_105_v2.1_c1	XXLn000-03a	105	1	208646	11	1	208646	EP	1	0	XXLn000-03a	117	J022532.3-035511	XXLn000-03a_117_v3.3_c1
n0036		b03_69_v2.1_c1	XXLn000-03a	069	1	208633	11	1	208633	E-	1	0	XXLn000-03a	77	J022520.5-034801	XXLn000-03a_77_v3.3_c1
n0037		b03_77_v2.1_c1	XXLn000-03a	077	1	208637	11	1	208637	EE	1	0	XXLn000-03a	84	J022457.1-034859	XXLn000-03a_84_v3.3_c1
n0038		b02_151_v2.1_c2	XXLn000-02a	151	2	208549	20	1	208549	P-	0	0	XXLn000-02a	172	J022405.8-035513	XXLn000-02a_172_v3.3_c0
n0039		B04c_22_v3.2_c2	XXLn000-04c	022	2	208820	11	-1	<b>225698</b>	E-	1	0	XXLn000-04z	16	J022644.3-034100	XXLn000-04z_16_v3.3_c1
n0040		g18_57_v2.1_c1	XXLn000-98a	057	1	219427	11	1	219427	E-	1	0	XXLn000-98a	53	J022402.0-050526	XXLn000-98a_53_v3.3_c1
n0041		b07_86_v2.1_c1	XXLn000-07a	086	1	209141	11	1	209141	E-	2	0	XXLn000-07a	85	J022253.4-032824	XXLn000-07a_85_v3.3_c2
n0042		b08_51_v2.1_c2	XXLn000-08a	051	2	209209	11	1	209209	EP	2	0	XXLn000-08a	60	J022400.3-032525	XXLn000-08a_60_v3.3_c2
n0043		b10_154_v2.1_c2	XXLn000-10a	154	2	-1	-1	0								
n0044		b12_83_v2.1_c2	XXLn000-12a	083	2	209606	11	1	209606	E-	2	0	XXLn000-12a	73	J022411.6-030740	XXLn000-12a_73_v3.3_c2
n0045		B13c_75_v3.2_c1	XXLn000-13c	075	1	209704	30	1	209704	P-	0	0	XXLn000-13a	82	J022543.1-030929	XXLn000-13a_82_v3.3_c0
n0046		B13c_1_v3.2_c1	XXLn000-13c	001	1	209749	11	1	209749	E-	1	0	XXLn000-13c	1	J022540.9-031120	XXLn000-13c_1_v3.3_c1
n0047		b14_201_v2.1_c2	XXLn000-14a	201	2	209907	20	0	209907	P-	0	1	XXLn000-14a	201	J022631.1-031712	XXLn000-14a_201_v3.3_c0
n0048		b19_153_v2.1_c2	XXLn000-19a	153	2	210482	20	1	210482	PP	0	0	XXLn000-19a	149	J022751.3-025414	XXLn000-19a_149_v3.3_c0
n0049		b21_144_v2.1_c2	XXLn000-21a	144	2	-1	-1	0								
n0050		b23_224_v2.1_c2	XXLn000-23a	224	2	-1	-1	0								
n0051		b25_28_v2.1_c2	XXLn000-25a	028	2	-1	-1	0								
n0052		b28_27_v2.1_c1	XXLn000-28a	027	1	211440	11	1	211440	E-	2	0	XXLn000-28a	23	J022210.6-024049	XXLn000-28a_23_v3.3_c2
n0053		b29_115_v2.1_c1	XXLn000-29a	115	1	211568	11	1	211568	E-	1	0	XXLn000-29a	111	J022023.8-025024	XXLn000-29a_111_v3.3_c1
n0054		b31_65_v2.1_c2	XXLn000-31a	065	2	211734	11	1	211734	E-	2	0	XXLn000-31a	78	J022042.3-052549	XXLn000-31a_78_v3.3_c2
n0055		g01_116_v2.1_c2	XXLn000-81a	116	2	217000	11	1	217000	E-	2	0	XXLn000-81a	108	J022725.4-041124	XXLn000-81a_108_v3.3_c2
n0056		g03_132_v2.1_c2	XXLn000-83a	132	2	217275	20	0	217275	P-	0	1	XXLn000-83a	118	J022441.4-041307	XXLn000-83a_118_v3.3_c0
n0057		g03_144_v2.1_c1	XXLn000-83a	144	1	217283	11	1	217283	E-	1	0	XXLn000-83a	128	J022433.8-041411	XXLn000-83a_128_v3.3_c1
n0058		g05_95_v2.1_c2	XXLn000-85a	095	2	217564	11	1	217564	E-	2	0	XXLn000-85a	97	J022755.7-043119	XXLn000-85a_97_v3.3_c2
n0059		g07_227_v2.1_c2	XXLn000-87a	227	2	217954	11	1	217954	E-	2	0	XXLn000-87a	210	J022519.1-044243	XXLn000-87a_210_v3.3_c2
n0060		g08_168_v2.1_c1	XXLn000-88a	168	1	218076	11	1	218076	E-	1	0	XXLn000-88a	163	J022357.2-043515	XXLn000-88a_163_v3.3_c1
n0061		g08_218_v2.1_c2	XXLn000-88a	218	2	218107	11	1	218107	E-	2	0	XXLn000-88a	209	J022418.4-043956	XXLn000-88a_209_v3.3_c2
n0062		g10_59_v2.1_c2	XXLn000-90a	059	2	218309	20	1	218309	PP	0	0	XXLn000-90a	62	J022712.9-044636	XXLn000-90a_62_v3.3_c0
n0063		g14_146_v2.1_c2	XXLn000-94a	146	2	218971	20	0	218971	P-	0	1	XXLn000-94a	143	J022222.3-045318	XXLn000-94a_143_v3.3_c0
n0064		g14_198_v2.1_c2	XXLn000-94a	198	2	218984	11	-1	<b>219538</b>	EP	1	0	XXLn000-99a	2	J022233.6-045804	XXLn000-99a_2_v3.3_c1
n0065		g19_159_v2.1_c2	XXLn000-99a	159	2	219607	20	1	219607	P-	0	0	XXLn000-99a	169	J022228.0-051553	XXLn000-99a_169_v3.3_c0
n0066		g09_179_v2.1_c2	XXLn000-89a	179	2	218246	20	1	218246	P-	0	0	XXLn000-89a	180	J022303.0-043622	XXLn000-89a_180_v3.3_c0
n0067		b02_213_v2.1_c2	XXLn000-02a	213	2	-1	-1	0								
n0068		b13_118_v2.1_c2	XXLn000-13a	118	2	209798	30	1	209798	PP	0	0	XXLn000-13c	92	J022547.0-031001	XXLn000-13c_92_v3.3_c0

Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
n0069		b24_59.v2.1.c2	XXLn000-24a	059	2	211052	20	1	211052	PP	0	0	XXLn000-24a	67	J022034.3-040544	XXLn000-24a_67.v3.3.c0
n0070		b29_215.v2.1.c2	XXLn000-29a	215	2	211599	11	1	211599	E-	1	0	XXLn000-29a	219	J022043.7-030106	XXLn000-29a_219.v3.3.c1
n0071		g04_170.v2.1.c2	XXLn000-84a	170	2	217476	20	1	217476	P-	0	0	XXLn000-84a	161	J022252.2-041647	XXLn000-84a_161.v3.3.c0
n0072		g11_103.v2.1.c2	XXLn000-91a	103	2	218500	20	1	218500	P-	0	0	XXLn000-91a	118	J022554.3-045059	XXLn000-91a_118.v3.3.c0
n0073		g15_169.v2.1.c2	XXLn000-95a	169	2	219099	11	1	219099	E-	2	0	XXLn000-95a	199	J022803.6-051746	XXLn000-95a_199.v3.3.c2
n0074		g18_44.v2.1.c2	XXLn000-98a	044	2	219420	20	1	219420	P-	0	0	XXLn000-98a	40	J022416.6-050327	XXLn000-98a_40.v3.3.c0
n0075		G12_1.v3.1.c1	XXLn000-92b	001	1	-1	-1	0								
n0076		G12_137.v3.1.c2	XXLn000-92b	137	2	218724	20	0	218724	P-	0	1	XXLn000-92b	143	J022412.0-045319	XXLn000-92b_143.v3.3.c0
n0077		B17c_33.v3.2.c1	XXLn000-17c	033	1	210236	11	-1	<b>225836</b>	E-	2	0	XXLn000-17z	37	J022414.3-024315	XXLn000-17z_37.v3.3.c2
n0078		B22_65.v3.1.c2	XXLn000-22b	065	2	-1	-1	0								
n0079		B33_134.v3.1.c1	XXLn000-33a	134	1	211962	20	1	211962	P-	0	0	XXLn000-33a	154	J022808.3-053540	XXLn000-33a_154.v3.3.c0
n0080		B38_1.v3.1.c1	XXLn000-38a	001	1	212548	11	1	212548	E-	1	0	XXLn000-38a	1	J022516.7-055312	XXLn000-38a_1.v3.3.c1
n0081		B38_122.v3.1.c1	XXLn000-38a	122	1	212597	11	1	212597	EE	1	0	XXLn000-38a	125	J022549.0-055342	XXLn000-38a_125.v3.3.c1
n0082		B40_50.v3.1.c1	XXLn000-40a	050	1	-1	-1	0								
n0083		B41b_47.v3.2.c1	XXLn000-41b	047	1	212920	11	-1	<b>226415</b>	E-	1	0	XXLn000-41z	48	J022156.5-054522	XXLn000-41z_48.v3.3.c1
n0084		B43_11.v3.1.c2	XXLn000-43a	011	2	213229	20	1	213229	P-	0	0	XXLn000-43a	18	J021837.3-054026	XXLn000-43a_18.v3.3.c0
n0085		B43_55.v3.1.c2	XXLn000-43a	055	2	213348	30	0	213348	P-	0	1	XXLn000-44b	50	J021809.0-054559	XXLn000-44b_50.v3.3.c0
n0086		B50b_116.v3.2.c2	XXLn000-50b	116	2	214268	11	-1	<b>226566</b>	E-	2	0	XXLn000-50z	138	J021822.5-053931	XXLn000-50z_138.v3.3.c2
n0087		B58b_1.v3.2.c1	XXLn000-58b	001	1	215117	11	1	215117	EE	1	0	XXLn000-58b	1	J021440.3-043311	XXLn000-58b_1.v3.3.c1
n0088		B37b_63.v3.2.c1	XXLn000-37b	063	1	212461	11	-1	<b>226301</b>	EP	1	0	XXLn000-37z	62	J022320.1-052712	XXLn000-37z_62.v3.3.c1
n0089		B54_9.v3.1.c1	XXLn000-54a	009	1	214563	11	1	214563	E-	1	0	XXLn000-54a	8	J021529.1-044053	XXLn000-54a_8.v3.3.c1
n0090		B54_78.v3.1.c1	XXLn000-54a	078	1	214590	11	1	214590	E-	2	0	XXLn000-54a	81	J021547.5-045030	XXLn000-54a_81.v3.3.c2
n0091		B61b_123.v3.2.c1	XXLn000-61b	123	1	215504	11	-1	<b>226814</b>	EP	1	0	XXLn000-61z	103	J021612.1-041427	XXLn000-61z_103.v3.3.c1
n0092		B62_14.v3.1.c2	XXLn000-62a	014	2	-1	-1	0								
n0093		B64_29.v3.1.c2	XXLn000-64a	029	2	215920	20	0	215920	-P	0	1	XXLn000-64a	0	J021911.5-034438	XXLn000-64a_0.v3.3.c0
n0094		B64_39.v3.1.c2	XXLn000-64a	039	2	215856	20	1	215856	PP	0	0	XXLn000-64a	38	J021859.5-034608	XXLn000-64a_38.v3.3.c0
n0095		B65_45.v3.1.c1	XXLn000-65a	045	1	215982	11	1	215982	EP	1	0	XXLn000-65a	42	J021744.0-034531	XXLn000-65a_42.v3.3.c1
n0096		B65_66.v3.1.c2	XXLn000-65a	066	2	215988	20	1	215988	P-	0	0	XXLn000-65a	66	J021700.4-034746	XXLn000-65a_66.v3.3.c0
n0097		B65_73.v3.1.c2	XXLn000-65a	073	2	215992	11	1	215992	E-	2	0	XXLn000-65a	71	J021740.0-034824	XXLn000-65a_71.v3.3.c2
n0098		B66_31.v3.1.c1	XXLn000-66a	031	1	216102	11	1	216102	E-	1	0	XXLn000-66a	32	J021524.0-034332	XXLn000-66a_32.v3.3.c1
n0099		B67b_67.v3.2.c1	XXLn000-67b	067	1	216309	11	-1	<b>226912</b>	EP	1	0	XXLn000-67z	62	J021443.8-034921	XXLn000-67z_62.v3.3.c1
n0100		B67b_117.v3.2.c2	XXLn000-67b	117	2	216257	21	1	216257	E-	2	0	XXLn000-67a	138	J021459.9-035415	XXLn000-67a_138.v3.3.c2
n0101		B69_202.v3.1.c1	XXLn000-69a	202	1	-1	-1	0								
n0102		B70b_109.v3.2.c2	XXLn000-70b	109	2	216622	11	-1	<b>227046</b>	EP	1	0	XXLn000-70z	128	J021704.1-033216	XXLn000-70z_128.v3.3.c1
n0103		B71_83.v3.1.c2	XXLn000-71a	083	2	216712	11	1	216712	E-	2	0	XXLn000-71a	85	J021458.6-033021	XXLn000-71a_85.v3.3.c2
n0104		B52_47.v3.1.c2	XXLn000-52a	047	2	214393	11	1	214393	E-	2	0	XXLn000-52a	52	J022005.5-050826	XXLn000-52a_52.v3.3.c2
n0105		S01_10ks_c_111.v3.1.c2	XXLn998-01z	111	2	225598	11	1	225598	E-	1	0	XXLn998-01z	118	J021832.0-050059	XXLn998-01z_118.v3.3.c1
n0106		S02_10ks_c_36.v3.1.c1	XXLn998-02a	036	1	-1	-1	0								
n0107		S04_10ks_c_221.v3.1.c2	XXLn998-04z	221	2	-1	-1	0								
n0108		S06_10ks_c_5.v3.1.c2	XXLn998-06a	005	2	222807	20	1	222807	P-	0	0	XXLn998-06a	5	J021721.4-050856	XXLn998-06a_5.v3.3.c0
n0109		S06_10ks_c_46.v3.1.c1	XXLn998-06a	046	1	-1	-1	0								
n0110		B35b_183.v3.2.c2	XXLn000-35c	183	2	212185	11	-1	<b>226111</b>	E-	1	0	XXLn000-35z	157	J022556.8-053829	XXLn000-35z_157.v3.3.c1
n0111		B36b_111.v3.2.c2	XXLn000-36b	111	2	212321	20	-1	<b>226190</b>	E-	2	0	XXLn000-36z	98	J022512.6-053127	XXLn000-36z_98.v3.3.c2
n0112		B61b_101.v3.2.c2	XXLn000-61b	101	2	226802	121	1	226802	E-	2	0	XXLn000-61z	87	J021712.1-041057	XXLn000-61z_87.v3.3.c2
n0113		S01full_14.v3.2.c1	XXLn998-01z	014	1	-1	-1	0								
n0114		S01full_32.v3.2.c2	XXLn998-01z	032	2	225459	11	1	225459	E-	1	0	XXLn998-01z	31	J021741.9-045147	XXLn998-01z_31.v3.3.c1
n0115		S04full_105.v3.2.c2	XXLn998-04z	105	2	225357	11	1	225357	E-	2	0	XXLn998-04z	101	J021725.7-043931	XXLn998-04z_101.v3.3.c2
n0116		S07full_146.v3.2.c1	XXLn998-07a	146	1	-1	-1	0								
n0117		S07full_182.v3.2.c2	XXLn998-07a	182	2	223201	11	1	223201	EP	2	0	XXLn998-07a	199	J021855.0-052808	XXLn998-07a_199.v3.3.c2
n0118		S07full_208.v3.2.c2	XXLn998-07a	208	2	223218	11	-1	<b>214137</b>	P-	0	0	XXLn000-49a	71	J021842.9-053254	XXLn000-49a_71.v3.3.c0
n0119		B37b_166.v3.2.c2	XXLn000-37b	166	2	212497	20	0	212497	P-	0	1	XXLn000-37b	153	J022350.3-053636	XXLn000-37b_153.v3.3.c0
n0120		B68b_113.v3.2.c2	XXLn000-68b	113	2	216395	20	0	216395	P-	0	1	XXLn000-68b	122	J022007.1-033103	XXLn000-68b_122.v3.3.c0
n0195		B56_139.v3.1	XXLn000-56a	139	0	214903	11	1	214903	E-	2	0	XXLn000-56a	122	J021636.6-042658	XXLn000-56a_122.v3.3.c2
n0210		XXLn001-01_153.v3.3.c2	XXLn001-01	153	2	200906	1	1	200906	E-	2	0	XXLn001-01	153	J022928.5-041711	XXLn001-01_153.v3.3.c2
n0211		XXLn001-02_156.v3.3.c2	XXLn001-02	156	2	200980	1	1	200980	E-	2	0	XXLn001-02	156	J022933.0-043957	XXLn001-02_156.v3.3.c2
n0212		XXLn001-03_75.v3.3.c1	XXLn001-03	075	1	201042	1	1	201042	E-	1	0	XXLn001-03	75	J022950.8-040900	XXLn001-03_75.v3.3.c1
n0213		XXLn001-03_167.v3.3.c2	XXLn001-03	167	2	201087	1	1	201087	E-	2	0	XXLn001-03	167	J023009.7-041815	XXLn001-03_167.v3.3.c2
n0214		XXLn001-04_8.v3.3.c1	XXLn001-04	008	1	201120	1	1	201120	EP	1	0	XXLn001-04	8	J023052.8-042055	XXLn001-04_8.v3.3.c1
n0215		XXLn001-04_112.v3.3.c2	XXLn001-04	112	2	201154	1	1	201154	E-	2	0	XXLn001-04	112	J023033.8-043730	XXLn001-04_112.v3.3.c2
n0216		XXLn001-04_113.v3.3.c1	XXLn001-04	113	1	201155	1	1	201155	E-	1	0	XXLn001-04	113	J023026.6-043451	XXLn001-04_113.v3.3.c1



Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
n0219		XXLn011-01_30.v3.3.c1	XXLn011-01	030	1	200006	1	1	200006	E-	1	0	XXLn011-01	30	J022830.6-044359	XXLn011-01_30.v3.3.c1
n0220		XXLn011-01_103.v3.3.c1	XXLn011-01	103	1	200027	1	1	200027	E-	1	0	XXLn011-01	103	J022829.1-045125	XXLn011-01_103.v3.3.c1
n0222		XXLn011-03_117.v3.3.c2	XXLn011-03	117	2	200216	1	1	200216	E-	2	0	XXLn011-03	117	J023052.5-045129	XXLn011-03_117.v3.3.c2
n0223		XXLn011-04_14.v3.3.c2	XXLn011-04	014	2	200271	1	1	200271	E-	2	0	XXLn011-04	14	J023032.1-045917	XXLn011-04_14.v3.3.c2
n0224		XXLn011-04_15.v3.3.c1	XXLn011-04	015	1	200272	1	1	200272	E-	1	0	XXLn011-04	15	J023038.6-045929	XXLn011-04_15.v3.3.c1
n0225		XXLn011-05_1.v3.3.c1	XXLn011-05	001	1	200358	1	1	200358	EE	1	0	XXLn011-05	1	J023142.2-045251	XXLn011-05_1.v3.3.c1
n0226		XXLn011-07_31.v3.3.c1	XXLn011-07	031	1	200565	1	1	200565	E-	1	0	XXLn011-07	31	J023229.2-044718	XXLn011-07_31.v3.3.c1
n0227		XXLn011-07_59.v3.3.c2	XXLn011-07	059	2	200575	1	1	200575	E-	2	0	XXLn011-07	59	J023219.6-044902	XXLn011-07_59.v3.3.c2
n0228		XXLn011-07_60.v3.3.c2	XXLn011-07	060	2	200576	1	1	200576	E-	2	0	XXLn011-07	60	J023221.7-044958	XXLn011-07_60.v3.3.c2
n0230		XXLn011-08_86.v3.3.c2	XXLn011-08	086	2	200678	1	1	200678	EP	2	0	XXLn011-08	86	J023357.6-050818	XXLn011-08_86.v3.3.c2
n0231		XXLn011-09_85.v3.3.c1	XXLn011-09	085	1	200752	1	1	200752	E-	1	0	XXLn011-09	85	J023400.5-044931	XXLn011-09_85.v3.3.c1
n0233		XXLn116-02_177.v3.3.c1	XXLn116-02	177	1	201851	1	1	201851	E-	1	0	XXLn116-02	177	J020817.0-071633	XXLn116-02_177.v3.3.c1
n0234		XXLn116-03_146.v3.3.c1	XXLn116-03	146	1	201938	1	1	201938	EP	1	0	XXLn116-03	146	J020647.7-065653	XXLn116-03_146.v3.3.c1
n0237		XXLn116-07_64.v3.3.c1	XXLn116-07	064	1	202281	1	1	202281	E-	1	0	XXLn116-07	64	J020432.2-064450	XXLn116-07_64.v3.3.c1
n0238		XXLn116-07_107.v3.3.c2	XXLn116-07	107	2	202295	1	1	202295	E-	2	0	XXLn116-07	107	J020406.2-064833	XXLn116-07_107.v3.3.c2
n0239		XXLn116-07_169.v3.3.c2	XXLn116-07	169	2	202321	1	1	202321	EP	2	0	XXLn116-07	169	J020452.7-065500	XXLn116-07_169.v3.3.c2
n0240		XXLn116-08_69.v3.3.c2	XXLn116-08	069	2	202399	1	1	202399	E-	2	0	XXLn116-08	69	J020303.7-070605	XXLn116-08_69.v3.3.c2
n0241		XXLn116-09_56.v3.3.c1	XXLn116-09	056	1	202509	1	1	202509	EP	1	0	XXLn116-09	56	J020235.4-064356	XXLn116-09_56.v3.3.c1
n0242		XXLn116-09_183.v3.3.c1	XXLn116-09	183	1	202548	1	1	202548	E-	1	0	XXLn116-09	183	J020327.5-065545	XXLn116-09_183.v3.3.c1
n0243		XXLn116-10_15.v3.3.c1	XXLn116-10	015	1	202593	1	1	202593	E-	1	0	XXLn116-10	15	J020214.6-070030	XXLn116-10_15.v3.3.c1
n0245		XXLn032-02_36.v3.3.c2	XXLn032-02	036	2	203711	1	1	203711	E-	2	0	XXLn032-02	36	J021215.7-040524	XXLn032-02_36.v3.3.c2
n0246		XXLn032-02_62.v3.3.c2	XXLn032-02	062	2	203724	1	1	203724	E-	2	0	XXLn032-02	62	J021235.5-040711	XXLn032-02_62.v3.3.c2
n0248		XXLn032-03_159.v3.3.c2	XXLn032-03	159	2	203842	1	1	203842	E-	2	0	XXLn032-03	159	J021110.3-042055	XXLn032-03_159.v3.3.c2
n0254		XXLn073-04_223.v3.3.c2	XXLn073-04	223	2	205647	1	1	205647	E-	2	0	XXLn073-04	223	J020904.4-0251817	XXLn073-04_223.v3.3.c2
n0255		XXLn073-05_136.v3.3.c1	XXLn073-05	136	1	205706	1	1	205706	E-	1	0	XXLn073-05	136	J020750.8-051219	XXLn073-05_136.v3.3.c1
n0256		XXLn073-06_119.v3.3.c2	XXLn073-06	119	2	205772	1	1	205772	EP	2	0	XXLn073-06	119	J020604.9-051136	XXLn073-06_119.v3.3.c2
n0257		XXLn073-07_183.v3.3.c2	XXLn073-07	183	2	205943	1	1	205943	E-	2	0	XXLn073-07	183	J020452.2-051843	XXLn073-07_183.v3.3.c2
n0259		XXLn073-08_7.v3.3.c2	XXLn073-08	007	2	205952	1	1	205952	E-	2	0	XXLn073-08	7	J020355.4-045834	XXLn073-08_7.v3.3.c2
n0260		XXLn073-08_25.v3.3.c1	XXLn073-08	025	1	205963	1	1	205963	E-	1	0	XXLn073-08	25	J020353.3-050135	XXLn073-08_25.v3.3.c1
n0262		XXLn073-09_21.v3.3.c2	XXLn073-09	021	2	206076	1	1	206076	E-	2	0	XXLn073-09	21	J020142.2-050151	XXLn073-09_21.v3.3.c2
n0263		XXLn096-01_144.v3.3.c1	XXLn096-01	144	1	207214	1	1	207214	E-	1	0	XXLn096-01	144	J021539.7-055849	XXLn096-01_144.v3.3.c1
n0265		XXLn096-03_64.v3.3.c1	XXLn096-03	064	1	207384	1	1	207384	EP	1	0	XXLn096-03	64	J021322.2-060551	XXLn096-03_64.v3.3.c1
n0267		XXLn096-04_47.v3.3.c1	XXLn096-04	047	1	207425	1	1	207425	E-	1	0	XXLn096-04	47	J021227.7-060433	XXLn096-04_47.v3.3.c1
n0268		XXLn096-04_127.v3.3.c1	XXLn096-04	127	1	207444	1	1	207444	E-	1	0	XXLn096-04	127	J021210.6-061235	XXLn096-04_127.v3.3.c1
n0269		XXLn096-04_142.v3.3.c1	XXLn096-04	142	1	207447	1	1	207447	E-	1	0	XXLn096-04	142	J021252.8-061205	XXLn096-04_142.v3.3.c1
n0271		XXLn096-05_6.v3.3.c2	XXLn096-05	006	2	207485	1	1	207485	EP	2	0	XXLn096-05	6	J021119.6-055801	XXLn096-05_6.v3.3.c2
n0272		XXLn096-05_108.v3.3.c1	XXLn096-05	108	1	207526	1	1	207526	EP	1	0	XXLn096-05	108	J021051.3-061023	XXLn096-05_108.v3.3.c1
n0273		XXLn096-05_109.v3.3.c1	XXLn096-05	109	1	207527	1	1	207527	E-	1	0	XXLn096-05	109	J021056.5-061158	XXLn096-05_109.v3.3.c1
n0274		XXLn096-05_110.v3.3.c1	XXLn096-05	110	1	207528	1	1	207528	E-	1	0	XXLn096-05	110	J021104.1-061238	XXLn096-05_110.v3.3.c1
n0275		XXLn096-05_124.v3.3.c1	XXLn096-05	124	1	207535	1	1	207535	EP	1	0	XXLn096-05	124	J021128.9-061143	XXLn096-05_124.v3.3.c1
n0276		XXLn096-05_168.v3.3.c1	XXLn096-05	168	1	207551	1	1	207551	E-	1	0	XXLn096-05	168	J021114.3-060944	XXLn096-05_168.v3.3.c1
n0277		XXLn096-06_68.v3.3.c2	XXLn096-06	068	2	207625	1	1	207625	EP	2	0	XXLn096-06	68	J021005.7-060534	XXLn096-06_68.v3.3.c2
n0278		XXLn096-06_80.v3.3.c1	XXLn096-06	080	1	207631	1	1	207631	E-	1	0	XXLn096-06	80	J020951.0-060701	XXLn096-06_80.v3.3.c1
n0279		XXLn096-08_108.v3.3.c1	XXLn096-08	108	1	207858	1	1	207858	E-	1	0	XXLn096-08	108	J020720.0-060936	XXLn096-08_108.v3.3.c1
n0280		XXLn096-09_120.v3.3.c1	XXLn096-09	120	1	207944	1	1	207944	E-	1	0	XXLn096-09	120	J020611.7-061132	XXLn096-09_120.v3.3.c1
n0281		XXLn073-09_25.v3.3.c3	XXLn073-09	025	3	206077	1	0	206077	P-	0	1	XXLn073-09	25	J020139.7-050300	XXLn073-09_25.v3.3.c0
n0282		XXLn052-01_4.v3.3.c2	XXLn052-01	004	2	204424	1	1	204424	EP	2	0	XXLn052-01	4	J021325.0-042000	XXLn052-01_4.v3.3.c2
n0283		XXLn052-01_81.v3.3.c2	XXLn052-01	081	2	204461	1	1	204461	E-	2	0	XXLn052-01	81	J021325.5-043055	XXLn052-01_81.v3.3.c2
n0284		XXLn052-01_133.v3.3.c1	XXLn052-01	133	1	204481	1	1	204481	E-	1	0	XXLn052-01	133	J021250.6-043559	XXLn052-01_133.v3.3.c1
n0285		XXLn052-03_146.v3.3.c1	XXLn052-03	146	1	204694	1	1	204694	E-	1	0	XXLn052-03	146	J020955.0-043748	XXLn052-03_146.v3.3.c1
n0286		XXLn052-04_33.v3.3.c1	XXLn052-04	033	1	204742	1	1	204742	EE	1	0	XXLn052-04	33	J020846.3-042609	XXLn052-04_33.v3.3.c1
n0291		XXLn052-09_156.v3.3.c1	XXLn052-09	156	1	205051	1	1	205051	E-	1	0	XXLn052-09	156	J020517.2-043908	XXLn052-09_156.v3.3.c1
n0293		XXLn031-02_168.v3.3.c1	XXLn031-02	168	1	202848	1	1	202848	E-	1	0	XXLn031-02	168	J022732.7-055737	XXLn031-02_168.v3.3.c1
n0294		XXLn031-03_129.v3.3.c1	XXLn031-03	129	1	202912	1	1	202912	E-	1	0	XXLn031-03	129	J022917.8-055341	XXLn031-03_129.v3.3.c1
n0295		XXLn031-03_133.v3.3.c1	XXLn031-03	133	1	202916	1	1	202916	E-	1	0	XXLn031-03	133	J022932.9-055249	XXLn031-03_133.v3.3.c1
n0298		XXLn031-05_18.v3.3.c1	XXLn031-05	018	1	203074	1	1	203074	E-	1	0	XXLn031-05	18	J023009.1-054044	XXLn031-05_18.v3.3.c1
n0299		XXLn031-08_43.v3.3.c2	XXLn031-08	043	2	203269	1	1	203269	E-	2	0	XXLn031-08	43	J023159.6-054411	XXLn031-08_43.v3.3.c2
n0303		XXLn031-11_87.v3.3.c1	XXLn031-11	087	1	203512	1	1	203512	E-	1	0	XXLn031-11	87	J023338.9-053020	XXLn031-11_87.v3.3.c1
n0305		XXLn094-01_152.v3.3.c2	XXLn094-01	152	2	206246	1	1	206246	EP	2	0	XXLn094-01	152	J021249.8-055507	XXLn094-01_152.v3.3.c2
n0308		XXLn094-03_176.v3.3.c2	XXLn094-03	176	2	206462	1	1	206462	E-	2	0	XXLn094-03	176	J021039.4-055642	XXLn094-03_176.v3.3.c2

Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
n0309		XXLn094-05_113_v3.3_c1	XXLn094-05	113	1	206636	1	1	206636	E-	1	0	XXLn094-05	113	J020756.5-055217	XXLn094-05_113_v3.3_c1
n0310		XXLn094-06_135_v3.3_c2	XXLn094-06	135	2	206745	1	1	206745	E-	2	0	XXLn094-06	135	J020617.1-055333	XXLn094-06_135_v3.3_c2
n0311		XXLn094-07_38_v3.3_c1	XXLn094-07	038	1	206823	1	1	206823	E-	1	0	XXLn094-07	38	J020524.2-054354	XXLn094-07_38_v3.3_c1
n0312		XXLn094-07_136_v3.3_c1	XXLn094-07	136	1	206864	1	1	206864	E-	1	0	XXLn094-07	136	J020500.3-055551	XXLn094-07_136_v3.3_c1
n0313		XXLn094-08_104_v3.3_c2	XXLn094-08	104	2	206950	1	1	206950	E-	2	0	XXLn094-08	104	J020357.7-055027	XXLn094-08_104_v3.3_c2
n0314		XXLn094-08_112_v3.3_c2	XXLn094-08	112	2	206954	1	1	206954	E-	2	0	XXLn094-08	112	J020333.7-055046	XXLn094-08_112_v3.3_c2
n0315		XXLn094-09_143_v3.3_c1	XXLn094-09	143	1	207031	1	1	207031	E-	1	0	XXLn094-09	143	J020222.2-055357	XXLn094-09_143_v3.3_c1
n0317		XXLn129-02_58_v3.3_c1	XXLn129-02	058	1	208183	1	1	208183	E-	1	0	XXLn129-02	58	J020604.1-072432	XXLn129-02_58_v3.3_c1
n0318		XXLn129-02_134_v3.3_c2	XXLn129-02	134	2	208220	1	1	208220	E-	2	0	XXLn129-02	134	J020635.6-073401	XXLn129-02_134_v3.3_c2
n0320		XXLn129-02_150_v3.3_c1	XXLn129-02	150	1	208229	1	1	208229	EP	1	0	XXLn129-02	150	J020524.9-073536	XXLn129-02_150_v3.3_c1
n0321		XXLn053-04_148_v3.3_c1	XXLn053-04	148	1	219836	1	1	219836	E-	1	0	XXLn053-04	148	J020957.5-045848	XXLn053-04_148_v3.3_c1
n0322		XXLn053-06_65_v3.3_c1	XXLn053-06	065	1	220003	1	1	220003	EP	1	0	XXLn053-06	65	J020719.8-044937	XXLn053-06_65_v3.3_c1
n0324		XXLn053-08_45_v3.3_c2	XXLn053-08	045	2	220164	1	1	220164	E-	2	0	XXLn053-08	45	J020437.0-044514	XXLn053-08_45_v3.3_c2
n0325		XXLn053-08_157_v3.3_c2	XXLn053-08	157	2	220198	1	1	220198	E-	2	0	XXLn053-08	157	J020509.6-045503	XXLn053-08_157_v3.3_c2
n0326		XXLn115-01_1_v3.3_c1	XXLn115-01	001	1	221159	1	1	221159	E-	1	0	XXLn115-01	1	J021043.3-063517	XXLn115-01_1_v3.3_c1
n0328		XXLn115-02_15_v3.3_c1	XXLn115-02	015	1	221217	1	1	221217	E-	1	0	XXLn115-02	15	J020911.0-062043	XXLn115-02_15_v3.3_c1
n0332		XXLn115-07b_174_v3.3_c2	XXLn115-07b	174	2	221760	1	1	221760	E-	2	0	XXLn115-07b	174	J020300.7-061705	XXLn115-07b_174_v3.3_c2
n0333		XXLn115-08b_71_v3.3_c2	XXLn115-08b	071	2	221806	1	1	221806	E-	2	0	XXLn115-08b	71	J020300.9-062629	XXLn115-08b_71_v3.3_c2
n0334		XXLn115-08b_104_v3.3_c2	XXLn115-08b	104	2	221822	1	1	221822	E-	2	0	XXLn115-08b	104	J020230.1-063120	XXLn115-08b_104_v3.3_c2
n0335		XXLn115-08b_116_v3.3_c2	XXLn115-08b	116	2	221827	1	1	221827	EP	2	0	XXLn115-08b	116	J020309.9-063236	XXLn115-08b_116_v3.3_c2
n0336		XXLn115-08b_126_v3.3_c1	XXLn115-08b	126	1	221834	1	1	221834	E-	1	0	XXLn115-08b	126	J020155.7-063424	XXLn115-08b_126_v3.3_c1
n0337		XXLn074-01_104_v3.3_c1	XXLn074-01	104	1	220344	1	1	220344	E-	1	0	XXLn074-01	104	J021527.2-053321	XXLn074-01_104_v3.3_c1
n0338		XXLn074-02_116_v3.3_c1	XXLn074-02	116	1	220458	1	1	220458	E-	1	0	XXLn074-02	116	J021408.9-053505	XXLn074-02_116_v3.3_c1
n0339		XXLn074-02_121_v3.3_c2	XXLn074-02	121	2	220461	1	1	220461	E-	2	0	XXLn074-02	121	J021320.3-053411	XXLn074-02_121_v3.3_c2
n0340		XXLn074-03_102_v3.3_c1	XXLn074-03	102	1	220565	1	1	220565	E-	1	0	XXLn074-03	102	J021229.0-053141	XXLn074-03_102_v3.3_c1
n0341		XXLn074-03_167_v3.3_c1	XXLn074-03	167	1	220585	1	1	220585	EE	1	0	XXLn074-03	167	J021226.7-053737	XXLn074-03_167_v3.3_c1
n0343		XXLn074-05_81_v3.3_c1	XXLn074-05	081	1	220721	1	1	220721	E-	1	0	XXLn074-05	81	J021003.2-052745	XXLn074-05_81_v3.3_c1
s0002		XXLs001-04_84_v3.3_c1	XXLs001-04	084	1	200267	2	2	200267	E-	1	0	XXLs001-04	84	J231322.0-534426	XXLs001-04_84_v3.3_c1
s0004		XXLs001-05_85_v3.3_c2	XXLs001-05	085	2	200352	2	2	200352	E-	2	0	XXLs001-05	85	J231452.6-533732	XXLs001-05_85_v3.3_c2
s0005		XXLs001-06_151_v3.3_c2	XXLs001-06	151	2	200483	2	2	200483	E-	2	0	XXLs001-06	151	J231626.8-533822	XXLs001-06_151_v3.3_c2
s0006		XXLs001-07_11_v3.3_c2	XXLs001-07	011	2	200516	2	2	200516	E-	2	0	XXLs001-07	11	J231722.1-525456	XXLs001-07_11_v3.3_c2
s0007		XXLs001-07_39_v3.3_c1	XXLs001-07	039	1	200521	2	2	200521	E-	1	0	XXLs001-07	39	J231703.4-530011	XXLs001-07_39_v3.3_c1
s0008		XXLs001-07_201_v3.3_c2	XXLs001-07	201	2	200569	2	2	200569	E-	2	0	XXLs001-07	201	J231748.8-531551	XXLs001-07_201_v3.3_c2
s0012		XXLs001-09_156_v3.3_c1	XXLs001-09	156	1	200715	2	2	200715	E-	1	0	XXLs001-09	156	J231529.5-530344	XXLs001-09_156_v3.3_c1
s0013		XXLs001-10_106_v3.3_c1	XXLs001-10	106	1	200791	2	2	200791	EP	1	0	XXLs001-10	106	J231346.0-532614	XXLs001-10_106_v3.3_c1
s0014		XXLs020-02_114_v3.3_c2	XXLs020-02	114	2	200936	2	2	200936	E-	2	0	XXLs020-02	114	J232248.0-522651	XXLs020-02_114_v3.3_c2
s0015		XXLs020-03_112_v3.3_c2	XXLs020-03	112	2	201011	2	2	201011	E-	2	0	XXLs020-03	112	J232029.0-523346	XXLs020-03_112_v3.3_c2
s0016		XXLs020-04_51_v3.3_c1	XXLs020-04	051	1	201081	2	2	201081	EP	1	0	XXLs020-04	51	J232235.0-524446	XXLs020-04_51_v3.3_c1
s0018		XXLs020-05_153_v3.3_c2	XXLs020-05	153	2	201212	2	2	201212	E-	2	0	XXLs020-05	153	J231802.0-524705	XXLs020-05_153_v3.3_c2
s0019		XXLs020-05_177_v3.3_c2	XXLs020-05	177	2	201221	2	2	201221	E-	2	0	XXLs020-05	177	J231827.6-524948	XXLs020-05_177_v3.3_c2
s0020		XXLs020-06_48_v3.3_c2	XXLs020-06	048	2	201267	2	2	201267	E-	2	0	XXLs020-06	48	J231740.7-524419	XXLs020-06_48_v3.3_c2
s0024		XXLs020-10_115_v3.3_c2	XXLs020-10	115	2	201598	2	2	201598	E-	2	0	XXLs020-10	115	J232234.0-520729	XXLs020-10_115_v3.3_c2
s0025		XXLs021-02_130_v3.3_c1	XXLs021-02	130	1	201698	2	2	201698	EP	1	0	XXLs021-02	130	J232743.5-522530	XXLs021-02_130_v3.3_c1
s0026		XXLs021-03_25_v3.3_c1	XXLs021-03	025	1	201729	2	2	201729	E-	1	0	XXLs021-03	25	J232900.2-521416	XXLs021-03_25_v3.3_c1
s0027		XXLs021-03_183_v3.3_c1	XXLs021-03	183	1	201780	2	2	201780	E-	1	0	XXLs021-03	183	J232915.7-522947	XXLs021-03_183_v3.3_c1
s0028		XXLs021-04_18_v3.3_c1	XXLs021-04	018	1	201809	2	2	201809	E-	1	0	XXLs021-04	18	J232849.4-523436	XXLs021-04_18_v3.3_c1
s0029		XXLs021-05_72_v3.3_c2	XXLs021-05	072	2	201905	2	2	201905	E-	2	0	XXLs021-05	72	J233126.9-522330	XXLs021-05_72_v3.3_c2
s0030		XXLs021-06_8_v3.3_c1	XXLs021-06	008	1	201999	2	2	201999	E-	1	0	XXLs021-06	8	J233330.0-521506	XXLs021-06_8_v3.3_c1
s0031		XXLs021-06_50_v3.3_c2	XXLs021-06	050	2	202015	2	2	202015	E-	2	0	XXLs021-06	50	J233233.2-522014	XXLs021-06_50_v3.3_c2
s0032		XXLs021-07_136_v3.3_c1	XXLs021-07	136	1	202129	2	2	202129	E-	1	0	XXLs021-07	136	J233636.9-524414	XXLs021-07_136_v3.3_c1
s0035		XXLs031-02_70_v3.3_c2	XXLs031-02	070	2	206467	2	2	206467	E-	2	0	XXLs031-02	70	J234116.0-531048	XXLs031-02_70_v3.3_c2
s0036		XXLs031-03_99_v3.3_c2	XXLs031-03	099	2	206597	2	2	206597	E-	2	0	XXLs031-03	99	J234151.5-530839	XXLs031-03_99_v3.3_c2
s0037		XXLs031-03_166_v3.3_c2	XXLs031-03	166	2	206624	2	2	206624	E-	2	0	XXLs031-03	166	J234244.6-531513	XXLs031-03_166_v3.3_c2
s0038		XXLs031-05_104_v3.3_c2	XXLs031-05	104	2	206789	2	2	206789	E-	2	0	XXLs031-05	104	J234426.2-525627	XXLs031-05_104_v3.3_c2
s0040		XXLs031-10_21_v3.3_c2	XXLs031-10	021	2	207266	2	2	207266	E-	2	0	XXLs031-10	21	J234819.0-532340	XXLs031-10_21_v3.3_c2
s0042		XXLs031-10_71_v3.3_c2	XXLs031-10	071	2	207293	2	2	207293	E-	2	0	XXLs031-10	71	J234921.4-533019	XXLs031-10_71_v3.3_c2
s0044		XXLs041-01_67_v3.3_c2	XXLs041-01	067	2	207401	2	2	207401	E-	2	0	XXLs041-01	67	J234802.1-533919	XXLs041-01_67_v3.3_c2
s0045		XXLs041-02_108_v3.3_c1	XXLs041-02	108	1	207517	2	2	207517	E-	1	0	XXLs041-02	108	J234550.2-535247	XXLs041-02_108_v3.3_c1
s0048		XXLs041-03_113_v3.3_c1	XXLs041-03	113	1	207628	2	2	207628	EP	1	0	XXLs041-03	113	J234550.6-540235	XXLs041-03_113_v3.3_c1
s0050		XXLs041-05_96_v3.3_c2	XXLs041-05	096	2	207801	2	2	207801	E-	2	0	XXLs041-05	96	J234459.6-543039	XXLs041-05_96_v3.3_c2

Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
s0052		XXLs041-08_30_v3.3_c2	XXLs041-08	030	2	208062	2	2	208062	E-	2	0	XXLs041-08	30	J234913.6-541952	XXLs041-08_30_v3.3_c2
s0054		XXLs041-10_64_v3.3_c1	XXLs041-10	064	1	208292	2	2	208292	E-	1	0	XXLs041-10	64	J234853.3-534923	XXLs041-10_64_v3.3_c1
s0055		XXLs053-01_40_v3.3_c2	XXLs053-01	040	2	208364	2	2	208364	E-	2	0	XXLs053-01	40	J234527.1-544256	XXLs053-01_40_v3.3_c2
s0057		XXLs053-02_171_v3.3_c2	XXLs053-02	171	2	208505	2	2	208505	E-	2	0	XXLs053-02	171	J234502.5-550931	XXLs053-02_171_v3.3_c2
s0058		XXLs053-03_65_v3.3_c2	XXLs053-03	065	2	208582	2	2	208582	E-	2	0	XXLs053-03	65	J234230.2-551314	XXLs053-03_65_v3.3_c2
s0060		XXLs053-05_57_v3.3_c2	XXLs053-05	057	2	208792	2	2	208792	E-	2	0	XXLs053-05	57	J234930.9-552943	XXLs053-05_57_v3.3_c2
s0064		XXLs053-08_114_v3.3_c2	XXLs053-08	114	2	209106	2	2	209106	E-	2	0	XXLs053-08	114	J234949.2-550653	XXLs053-08_114_v3.3_c2
s0065		XXLs053-09_73_v3.3_c1	XXLs053-09	073	1	209204	2	2	209204	E-	1	0	XXLs053-09	73	J235009.4-552000	XXLs053-09_73_v3.3_c1
s0066		XXLs053-09_78_v3.3_c2	XXLs053-09	078	2	209208	2	2	209208	E-	2	0	XXLs053-09	78	J235043.1-552041	XXLs053-09_78_v3.3_c2
s0067		XXLs053-09_81_v3.3_c1	XXLs053-09	081	1	209211	2	2	209211	E-	1	0	XXLs053-09	81	J235100.8-552214	XXLs053-09_81_v3.3_c1
s0068		XXLs000-04z_79_v3.3_c1	XXLs000-04z	079	1	214573	2	2	214573	EE	1	0	XXLs000-04z	79	J232956.1-560808	XXLs000-04z_79_v3.3_c1
s0069		XXLs000-12a_25_v3.3_c2	XXLs000-12a	025	2	203350	2	2	203350	E-	2	0	XXLs000-12a	25	J233346.1-553821	XXLs000-12a_25_v3.3_c2
s0072		XXLs000-12a_100_v3.3_c2	XXLs000-12a	100	2	203381	2	2	203381	E-	2	0	XXLs000-12a	100	J233406.0-554704	XXLs000-12a_100_v3.3_c2
s0073		XXLs000-17a_107_v3.3_c2	XXLs000-17a	107	2	203813	2	2	203813	E-	2	0	XXLs000-17a	107	J232618.9-552308	XXLs000-17a_107_v3.3_c2
s0074		XXLs000-17a_191_v3.3_c2	XXLs000-17a	191	2	203842	2	2	203842	E-	2	0	XXLs000-17a	191	J232637.8-553147	XXLs000-17a_191_v3.3_c2
s0075		XXLs000-22a_23_v3.3_c1	XXLs000-22a	023	1	204310	2	2	204310	E-	1	0	XXLs000-22a	23	J231653.1-545405	XXLs000-22a_23_v3.3_c1
s0079		XXLs000-32z_125_v3.3_c1	XXLs000-32z	125	1	216730	2	2	216730	E-	1	0	XXLs000-32z	125	J232535.0-544318	XXLs000-32z_125_v3.3_c1
s0080		XXLs000-32z_126_v3.3_c1	XXLs000-32z	126	1	216731	2	2	216731	E-	1	0	XXLs000-32z	126	J232539.7-544427	XXLs000-32z_126_v3.3_c1
s0081		XXLs000-36a_66_v3.3_c1	XXLs000-36a	066	1	205820	2	2	205820	EP	1	0	XXLs000-36a	66	J233531.3-543511	XXLs000-36a_66_v3.3_c1
s0082		XXLs000-36a_74_v3.3_c1	XXLs000-36a	074	1	205825	2	2	205825	E-	1	0	XXLs000-36a	74	J233429.3-543630	XXLs000-36a_74_v3.3_c1
s0083		XXLs000-41a_87_v3.3_c2	XXLs000-41a	087	2	206312	2	2	206312	E-	2	0	XXLs000-41a	87	J233003.1-541434	XXLs000-41a_87_v3.3_c2
s0085		XXLs000-01b_6_v3.3_c1	XXLs000-01b	006	1	202375	2	2	202375	E-	1	0	XXLs000-01b	6	J232148.1-555813	XXLs000-01b_6_v3.3_c1
s0086		XXLs000-01b_162_v3.3_c2	XXLs000-01b	162	2	202426	2	2	202426	E-	2	0	XXLs000-01b	162	J232144.2-561346	XXLs000-01b_162_v3.3_c2
s0087		XXLs000-01b_203_v3.3_c2	XXLs000-01b	203	2	202446	2	2	202446	E-	2	0	XXLs000-01b	203	J232210.3-561842	XXLs000-01b_203_v3.3_c2
s0094		XXLs000-09z_64_v3.3_c1	XXLs000-09z	064	1	215205	2	2	215205	E-	1	0	XXLs000-09z	64	J232532.6-554421	XXLs000-09z_64_v3.3_c1
s0095		XXLs000-14a_41_v3.3_c2	XXLs000-14a	041	2	203506	2	2	203506	EP	2	0	XXLs000-14a	41	J231953.5-551712	XXLs000-14a_41_v3.3_c2
s0096		XXLs000-14a_58_v3.3_c1	XXLs000-14a	058	1	203514	2	2	203514	EP	1	0	XXLs000-14a	58	J231917.1-551930	XXLs000-14a_58_v3.3_c1
s0097		XXLs000-14a_100_v3.3_c2	XXLs000-14a	100	2	203534	2	2	203534	E-	2	0	XXLs000-14a	100	J231902.3-552319	XXLs000-14a_100_v3.3_c2
s0098		XXLs000-19a_8_v3.3_c1	XXLs000-19a	008	1	204008	2	2	204008	E-	1	0	XXLs000-19a	8	J233204.6-551241	XXLs000-19a_8_v3.3_c1
s0099		XXLs000-24a_95_v3.3_c2	XXLs000-24a	095	2	204567	2	2	204567	E-	2	0	XXLs000-24a	95	J232403.8-550122	XXLs000-24a_95_v3.3_c2
s0101		XXLs000-34a_82_v3.3_c1	XXLs000-34a	082	1	205549	2	2	205549	EE	1	0	XXLs000-34a	82	J233000.4-543708	XXLs000-34a_82_v3.3_c1
s0102		XXLs000-34a_173_v3.3_c1	XXLs000-34a	173	1	205586	2	2	205586	E-	1	0	XXLs000-34a	173	J232939.8-544719	XXLs000-34a_173_v3.3_c1
s0103		XXLs000-34a_174_v3.3_c2	XXLs000-34a	174	2	205587	2	2	205587	E-	2	0	XXLs000-34a	174	J233026.3-544702	XXLs000-34a_174_v3.3_c2
s0105		XXLs000-10a_2_v3.3_c1	XXLs000-10a	002	1	203158	2	2	203158	EP	1	0	XXLs000-10a	2	J232842.9-553400	XXLs000-10a_2_v3.3_c1
s0106		XXLs000-10a_147_v3.3_c1	XXLs000-10a	147	1	203211	2	2	203211	EP	1	0	XXLs000-10a	147	J232809.6-555016	XXLs000-10a_147_v3.3_c1
s0107		XXLs000-15a_121_v3.3_c1	XXLs000-15a	121	1	203650	2	2	203650	E-	1	0	XXLs000-15a	121	J232210.0-552509	XXLs000-15a_121_v3.3_c1
s0108		XXLs000-20a_24_v3.3_c1	XXLs000-20a	024	1	204108	2	2	204108	E-	1	0	XXLs000-20a	24	J233447.1-551625	XXLs000-20a_24_v3.3_c1
s0110		XXLs000-25z_90_v3.3_c1	XXLs000-25z	090	1	216243	2	2	216243	E-	1	0	XXLs000-25z	90	J232633.1-550117	XXLs000-25z_90_v3.3_c1
s0111		XXLs000-25z_122_v3.3_c1	XXLs000-25z	122	1	216317	2	2	216317	EE	1	0	XXLs000-25z	122	J232723.6-550355	XXLs000-25z_122_v3.3_c1
s0112		XXLs000-30a_76_v3.3_c1	XXLs000-30a	076	1	205131	2	2	205131	EP	1	0	XXLs000-30a	76	J231944.2-543824	XXLs000-30a_76_v3.3_c1
s0117		XXLs000-11a_76_v3.3_c1	XXLs000-11a	076	1	203279	2	2	203279	EP	1	0	XXLs000-11a	76	J233038.0-554338	XXLs000-11a_76_v3.3_c1
s0118		XXLs000-11a_121_v3.3_c2	XXLs000-11a	121	2	203293	2	2	203293	E-	2	0	XXLs000-11a	121	J233226.0-554700	XXLs000-11a_121_v3.3_c2
s0122		XXLs000-26a_39_v3.3_c1	XXLs000-26a	039	1	204771	2	2	204771	EP	1	0	XXLs000-26a	39	J232801.9-545545	XXLs000-26a_39_v3.3_c1
s0123		XXLs000-31a_178_v3.3_c1	XXLs000-31a	178	1	205267	2	2	205267	E-	1	0	XXLs000-31a	178	J232200.6-544457	XXLs000-31a_178_v3.3_c1
s0124		XXLs000-35b_162_v3.3_c1	XXLs000-35b	162	1	205730	2	2	205730	E-	1	0	XXLs000-35b	162	J233216.3-544205	XXLs000-35b_162_v3.3_c1
s0125		XXLs000-40a_44_v3.3_c2	XXLs000-40a	044	2	206192	2	2	206192	E-	2	0	XXLs000-40a	44	J232806.3-540958	XXLs000-40a_44_v3.3_c2
s0127		XXLs000-40a_86_v3.3_c2	XXLs000-40a	086	2	206213	2	2	206213	E-	2	0	XXLs000-40a	86	J232859.9-541444	XXLs000-40a_86_v3.3_c2
s0128		XXLs000-40a_101_v3.3_c2	XXLs000-40a	101	2	206221	2	2	206221	E-	2	0	XXLs000-40a	101	J232737.3-541618	XXLs000-40a_101_v3.3_c2
s0130		XXLs996-01_81_v3.3_c2	XXLs996-01	081	2	211216	2	2	211216	E-	2	0	XXLs996-01	81	J232023.8-530504	XXLs996-01_81_v3.3_c2
s0132		XXLs996-03z_1_v3.3_c1	XXLs996-03z	001	1	217305	2	2	217305	EE	1	0	XXLs996-03z	1	J231721.3-535741	XXLs996-03z_1_v3.3_c1
s0133		XXLs996-05_5_v3.3_c2	XXLs996-05	005	2	211369	2	-2	<b>217499</b>	EP	<b>1</b>	0	XXLs996-05b	5	J231913.0-540508	XXLs996-05b_5_v3.3_c1
s0135		XXLs996-11z_110_v3.3_c1	XXLs996-11z	110	1	218545	2	2	218545	E-	1	0	XXLs996-11z	110	J231822.7-554955	XXLs996-11z_110_v3.3_c1
s0136		XXLs996-11z_169_v3.3_c2	XXLs996-11z	169	2	218574	2	2	218574	EP	2	0	XXLs996-11z	169	J231753.2-555440	XXLs996-11z_169_v3.3_c2
s0137		XXLs996-13z_10_v3.3_c2	XXLs996-13z	010	2	218878	2	-2	<b>218587</b>	P-	<b>0</b>	0	XXLs996-11z	196	J231817.3-555905	XXLs996-11z_196_v3.3_c0
s0138		XXLs996-13z_100_v3.3_c1	XXLs996-13z	100	1	218919	2	2	218919	EP	1	0	XXLs996-13z	100	J231843.5-561213	XXLs996-13z_100_v3.3_c1
s0139		XXLs996-13z_138_v3.3_c1	XXLs996-13z	138	1	218935	2	2	218935	E-	1	0	XXLs996-13z	138	J231847.7-561710	XXLs996-13z_138_v3.3_c1
s0142		XXLs996-06z_72_v3.3_c1	XXLs996-06z	072	1	217750	2	2	217750	EP	1	0	XXLs996-06z	72	J231615.9-541454	XXLs996-06z_72_v3.3_c1
s0143		XXLs996-06z_128_v3.3_c1	XXLs996-06z	128	1	217780	2	2	217780	E-	1	0	XXLs996-06z	128	J231519.9-542041	XXLs996-06z_128_v3.3_c1
s0144		XXLs996-12z_137_v3.3_c1	XXLs996-12z	137	1	218744	2	2	218744	E-	1	0	XXLs996-12z	137	J231637.3-561409	XXLs996-12z_137_v3.3_c1
s0145		XXLs996-14z_166_v3.3_c1	XXLs996-14z	166	1	219134	2	2	219134	E-	1	0	XXLs996-14z	166	J231930.0-563855	XXLs996-14z_166_v3.3_c1

Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
s0148		XXLs997-03z_49.v3.3.c1	XXLs997-03z	049	1	220646	2	2	220646	E-	1	0	XXLs997-03z	49	J232645.7-534843	XXLs997-03z_49.v3.3.c1
s0152		XXLs997-13z_54.v3.3.c1	XXLs997-13z	054	1	222381	2	2	222381	E-	1	0	XXLs997-13z	54	J233147.6-524007	XXLs997-13z_54.v3.3.c1
s0154		XXLs997-19z_2.v3.3.c1	XXLs997-19z	002	1	223393	2	2	223393	E-	1	0	XXLs997-19z	2	J232650.9-524139	XXLs997-19z_2.v3.3.c1
s0158		XXLs997-06z_20.v3.3.c1	XXLs997-06z	020	1	221050	2	2	221050	EP	1	0	XXLs997-06z	20	J232025.2-532128	XXLs997-06z_20.v3.3.c1
s0159		XXLs997-08z_4.v3.3.c1	XXLs997-08z	004	1	221339	2	2	221339	EE	1	0	XXLs997-08z	4	J232612.8-531858	XXLs997-08z_4.v3.3.c1
s0160		XXLs997-08z_26.v3.3.c1	XXLs997-08z	026	1	221352	2	2	221352	E-	1	0	XXLs997-08z	26	J232613.6-532226	XXLs997-08z_26.v3.3.c1
s0161		XXLs997-14z_55.v3.3.c1	XXLs997-14z	055	1	222558	2	2	222558	E-	1	0	XXLs997-14z	55	J233042.7-530323	XXLs997-14z_55.v3.3.c1
s0162		XXLs997-18z_91.v3.3.c2	XXLs997-18z	091	2	223250	2	2	223250	E-	2	0	XXLs997-18z	91	J232303.6-524329	XXLs997-18z_91.v3.3.c2
s0164		XXLs997-18z_136.v3.3.c1	XXLs997-18z	136	1	223269	2	2	223269	E-	1	0	XXLs997-18z	136	J232250.6-524932	XXLs997-18z_136.v3.3.c1
s0165		XXLs998-03z_166.v3.3.c1	XXLs998-03z	166	1	223887	2	2	223887	E-	1	0	XXLs998-03z	166	J233706.8-541910	XXLs998-03z_166.v3.3.c1
s0172		XXLs998-02z_83.v3.3.c1	XXLs998-02z	083	1	223702	2	2	223702	EP	1	0	XXLs998-02z	83	J233607.0-535233	XXLs998-02z_83.v3.3.c1
s0173		XXLs998-04z_82.v3.3.c1	XXLs998-04z	082	1	224074	2	2	224074	E-	1	0	XXLs998-04z	82	J233835.0-543721	XXLs998-04z_82.v3.3.c1
s0175		XXLs998-12z_112.v3.3.c1	XXLs998-12z	112	1	225533	2	2	225533	E-	1	0	XXLs998-12z	112	J233741.7-530808	XXLs998-12z_112.v3.3.c1
s0177		XXLs998-14z_134.v3.3.c1	XXLs998-14z	134	1	225892	2	2	225892	E-	1	0	XXLs998-14z	134	J234026.8-535442	XXLs998-14z_134.v3.3.c1
s0178		XXLs070-04_61.v3.3.c2	XXLs070-04	061	2	209748	2	2	209748	E-	2	0	XXLs070-04	61	J234054.4-554252	XXLs070-04_61.v3.3.c2
s0180		XXLs070-04_122.v3.3.c2	XXLs070-04	122	2	209774	2	2	209774	E-	2	0	XXLs070-04	122	J234145.1-554951	XXLs070-04_122.v3.3.c2
s0182		XXLs070-06_59.v3.3.c1	XXLs070-06	059	1	209946	2	2	209946	E-	1	0	XXLs070-06	59	J234311.5-555251	XXLs070-06_59.v3.3.c1
s0183		XXLs070-07_50.v3.3.c2	XXLs070-07	050	2	210012	2	2	210012	E-	2	0	XXLs070-07	50	J234705.1-553741	XXLs070-07_50.v3.3.c2
s0184		XXLs070-07_57.v3.3.c2	XXLs070-07	057	2	210017	2	2	210017	E-	2	0	XXLs070-07	57	J234616.7-553918	XXLs070-07_57.v3.3.c2
s0186		XXLs070-09_133.v3.3.c2	XXLs070-09	133	2	210155	2	2	210155	E-	2	0	XXLs070-09	133	J234909.8-555600	XXLs070-09_133.v3.3.c2
s0187		XXLs070-09_184.v3.3.c1	XXLs070-09	184	1	210172	2	2	210172	E-	1	0	XXLs070-09	184	J234805.9-560114	XXLs070-09_184.v3.3.c1
s0189		XXLs078-01_82.v3.3.c2	XXLs078-01	082	2	210289	2	2	210289	E-	2	0	XXLs078-01	82	J233727.4-560412	XXLs078-01_82.v3.3.c2
s0190		XXLs078-01_84.v3.3.c2	XXLs078-01	084	2	210291	2	2	210291	E-	2	0	XXLs078-01	84	J233702.7-560454	XXLs078-01_84.v3.3.c2
s0191		XXLs078-02_120.v3.3.c1	XXLs078-02	120	1	210416	2	2	210416	E-	1	0	XXLs078-02	120	J233954.4-561513	XXLs078-02_120.v3.3.c1
s0192		XXLs078-04_82.v3.3.c1	XXLs078-04	082	1	210558	2	2	210558	E-	1	0	XXLs078-04	82	J234146.6-564028	XXLs078-04_82.v3.3.c1
s0193		XXLs078-05_83.v3.3.c2	XXLs078-05	083	2	210632	2	2	210632	E-	2	0	XXLs078-05	83	J234208.1-561938	XXLs078-05_83.v3.3.c2
s0194		XXLs078-05_93.v3.3.c1	XXLs078-05	093	1	210638	2	2	210638	EE	1	0	XXLs078-05	93	J234231.8-562108	XXLs078-05_93.v3.3.c1
s0195		XXLs078-06_29.v3.3.c1	XXLs078-06	029	1	210702	2	2	210702	EE	1	0	XXLs078-06	29	J234143.5-555752	XXLs078-06_29.v3.3.c1
s0196		XXLs078-06_93.v3.3.c2	XXLs078-06	093	2	210727	2	2	210727	E-	2	0	XXLs078-06	93	J234120.3-560356	XXLs078-06_93.v3.3.c2
s0197		XXLs078-07_181.v3.3.c2	XXLs078-07	181	2	210841	2	2	210841	E-	2	0	XXLs078-07	181	J234448.2-561715	XXLs078-07_181.v3.3.c2
s0200		XXLs999-01_67.v3.3.c1	XXLs999-01	067	1	214140	2	2	214140	EE	1	0	XXLs999-01	67	J233227.0-535832	XXLs999-01_67.v3.3.c1
s0201		XXLs999-01_98.v3.3.c1	XXLs999-01	098	1	214150	2	2	214150	E-	1	0	XXLs999-01	98	J233332.0-540041	XXLs999-01_98.v3.3.c1
s0203		XXLs070-01b_57.v3.3.c1	XXLs070-01b	057	1	209372	2	-2	<b>226650</b>	E-	1	0	XXLs070-01z	46	J233927.1-555031	XXLs070-01z_46.v3.3.c1
s0205		XXLs070-02b_83.v3.3.c2	XXLs070-02b	083	2	209513	2	-2	<b>226914</b>	E-	1	0	XXLs070-02z	106	J233817.8-553929	XXLs070-02z_106.v3.3.c1
s0206		XXLs070-03b_50.v3.3.c2	XXLs070-03b	050	2	209630	2	2	209630	E-	2	0	XXLs070-03b	50	J234039.3-551746	XXLs070-03b_50.v3.3.c2
s0209		XXLs000-05z_36.v3.3.c1	XXLs000-05z	036	1	214743	2	2	214743	E-	1	0	XXLs000-05z	36	J233225.1-560240	XXLs000-05z_36.v3.3.c1
s0210		XXLs000-06z_51.v3.3.c2	XXLs000-06z	051	2	214969	2	2	214969	EP	2	0	XXLs000-06z	51	J233555.8-560546	XXLs000-06z_51.v3.3.c2
s0211		XXLs000-06z_100.v3.3.c2	XXLs000-06z	100	2	214999	2	2	214999	E-	2	0	XXLs000-06z	100	J233501.7-561009	XXLs000-06z_100.v3.3.c2
s0213		XXLs000-16z_78.v3.3.c2	XXLs000-16z	078	2	215570	2	2	215570	E-	2	0	XXLs000-16z	78	J232549.6-552249	XXLs000-16z_78.v3.3.c2
s0214		XXLs000-16z_90.v3.3.c2	XXLs000-16z	090	2	215575	2	2	215575	E-	2	0	XXLs000-16z	90	J232448.6-552359	XXLs000-16z_90.v3.3.c2
s0218		XXLs000-23z_10.v3.3.c2	XXLs000-23z	010	2	215951	2	2	215951	E-	2	0	XXLs000-23z	10	J232100.9-545048	XXLs000-23z_10.v3.3.c2
s0225		XXLs000-27z_165.v3.3.c1	XXLs000-27z	165	1	216507	2	2	216507	E-	1	0	XXLs000-27z	165	J233116.6-550737	XXLs000-27z_165.v3.3.c1
s0226		XXLs000-32z_20.v3.3.c2	XXLs000-32z	020	2	216665	2	2	216665	E-	2	0	XXLs000-32z	20	J232402.8-542927	XXLs000-32z_20.v3.3.c2
s0228		XXLs000-42z_64.v3.3.c2	XXLs000-42z	064	2	216964	2	2	216964	E-	2	0	XXLs000-42z	64	J233420.9-541041	XXLs000-42z_64.v3.3.c2
s0229		XXLs996-02z_1.v3.3.c1	XXLs996-02z	001	1	217103	2	2	217103	EE	1	0	XXLs996-02z	1	J231915.8-533159	XXLs996-02z_1.v3.3.c1
s0231		XXLs996-06z_115.v3.3.c1	XXLs996-06z	115	1	217772	2	2	217772	E-	1	0	XXLs996-06z	115	J231609.8-541617	XXLs996-06z_115.v3.3.c1
s0233		XXLs996-09z_13.v3.3.c2	XXLs996-09z	013	2	218201	2	2	218201	E-	2	0	XXLs996-09z	13	J231621.9-545241	XXLs996-09z_13.v3.3.c2
s0234		XXLs996-09z_53.v3.3.c2	XXLs996-09z	053	2	218222	2	2	218222	E-	2	0	XXLs996-09z	53	J231547.0-545741	XXLs996-09z_53.v3.3.c2
s0236		XXLs996-11z_82.v3.3.c2	XXLs996-11z	082	2	218532	2	2	218532	E-	2	0	XXLs996-11z	82	J231629.4-554531	XXLs996-11z_82.v3.3.c2
s0240		XXLs996-13z_144.v3.3.c2	XXLs996-13z	144	2	218937	2	2	218937	E-	2	0	XXLs996-13z	144	J231929.0-561657	XXLs996-13z_144.v3.3.c2
s0242		XXLs996-16z_80.v3.3.c1	XXLs996-16z	080	1	219430	2	2	219430	E-	1	0	XXLs996-16z	80	J232633.0-563104	XXLs996-16z_80.v3.3.c1
s0245		XXLs996-17z_133.v3.3.c2	XXLs996-17z	133	2	219672	2	2	219672	E-	2	0	XXLs996-17z	133	J233006.9-563639	XXLs996-17z_133.v3.3.c2
s0246		XXLs996-18z_53.v3.3.c2	XXLs996-18z	053	2	219836	2	2	219836	E-	2	0	XXLs996-18z	53	J233128.8-562802	XXLs996-18z_53.v3.3.c2
s0247		XXLs996-18z_69.v3.3.c2	XXLs996-18z	069	2	219844	2	2	219844	E-	2	0	XXLs996-18z	69	J233107.7-562942	XXLs996-18z_69.v3.3.c2
s0248		XXLs996-19z_78.v3.3.c2	XXLs996-19z	078	2	220111	2	2	220111	E-	2	0	XXLs996-19z	78	J233431.4-563001	XXLs996-19z_78.v3.3.c2
s0250		XXLs997-03z_58.v3.3.c1	XXLs997-03z	058	1	220653	2	2	220653	E-	1	0	XXLs997-03z	58	J232834.6-534916	XXLs997-03z_58.v3.3.c1
s0251		XXLs997-07z_24.v3.3.c2	XXLs997-07z	024	2	221183	2	2	221183	E-	2	0	XXLs997-07z	24	J232245.9-532317	XXLs997-07z_24.v3.3.c2
s0252		XXLs997-09z_53.v3.3.c2	XXLs997-09z	053	2	221575	2	2	221575	E-	2	0	XXLs997-09z	53	J232809.2-532502	XXLs997-09z_53.v3.3.c2
s0253		XXLs997-09z_174.v3.3.c2	XXLs997-09z	174	2	221644	2	2	221644	E-	2	0	XXLs997-09z	174	J232857.9-533951	XXLs997-09z_174.v3.3.c2
s0254		XXLs997-10z_122.v3.3.c1	XXLs997-10z	122	1	221802	2	2	221802	E-	1	0	XXLs997-10z	122	J233033.9-533234	XXLs997-10z_122.v3.3.c1



Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
s0256		XXLs997-11z_20.v3.3.c2	XXLs997-11z	020	2	221966	2	2	221966	E-	2	0	XXLs997-11z	20	J233234.4-525813	XXLs997-11z_20.v3.3.c2
s0257		XXLs997-11z_103.v3.3.c2	XXLs997-11z	103	2	221997	2	2	221997	E-	2	0	XXLs997-11z	103	J233151.4-530644	XXLs997-11z_103.v3.3.c2
s0258		XXLs997-11z_146.v3.3.c1	XXLs997-11z	146	1	222017	2	2	222017	E-	1	0	XXLs997-11z	146	J233131.2-531103	XXLs997-11z_146.v3.3.c1
s0259		XXLs997-12z_12.v3.3.c2	XXLs997-12z	012	2	222175	2	2	222175	E-	2	0	XXLs997-12z	12	J233400.6-523451	XXLs997-12z_12.v3.3.c2
s0260		XXLs997-12z_30.v3.3.c1	XXLs997-12z	030	1	222183	2	2	222183	E-	1	0	XXLs997-12z	30	J233407.0-523709	XXLs997-12z_30.v3.3.c1
s0261		XXLs997-12z_117.v3.3.c2	XXLs997-12z	117	2	222219	2	2	222219	E-	2	0	XXLs997-12z	117	J233434.5-524715	XXLs997-12z_117.v3.3.c2
s0262		XXLs997-13z_94.v3.3.c2	XXLs997-13z	094	2	222398	2	2	222398	E-	2	0	XXLs997-13z	94	J233119.7-524256	XXLs997-13z_94.v3.3.c2
s0263		XXLs997-14z_34.v3.3.c2	XXLs997-14z	034	2	222550	2	2	222550	E-	2	0	XXLs997-14z	34	J233025.4-530002	XXLs997-14z_34.v3.3.c2
s0264		XXLs997-14z_158.v3.3.c1	XXLs997-14z	158	1	222603	2	2	222603	EP	1	0	XXLs997-14z	158	J232939.9-531456	XXLs997-14z_158.v3.3.c1
s0265		XXLs997-15z_15.v3.3.c1	XXLs997-15z	015	1	222711	2	2	222711	EP	1	0	XXLs997-15z	15	J232704.6-525831	XXLs997-15z_15.v3.3.c1
s0266		XXLs997-16z_176.v3.3.c2	XXLs997-16z	176	2	222960	2	2	222960	E-	2	0	XXLs997-16z	176	J232540.9-531133	XXLs997-16z_176.v3.3.c2
s0267		XXLs997-16z_220.v3.3.c1	XXLs997-16z	220	1	222971	2	2	222971	E-	1	0	XXLs997-16z	220	J232542.5-531634	XXLs997-16z_220.v3.3.c1
s0270		XXLs997-19z_97.v3.3.c1	XXLs997-19z	097	1	223429	2	2	223429	EE	1	0	XXLs997-19z	97	J232624.8-524209	XXLs997-19z_97.v3.3.c1
s0273		XXLs998-02z_86.v3.3.c2	XXLs998-02z	086	2	223705	2	2	223705	E-	2	0	XXLs998-02z	86	J233547.1-535233	XXLs998-02z_86.v3.3.c2
s0274		XXLs998-03z_185.v3.3.c1	XXLs998-03z	185	1	223890	2	2	223890	E-	1	0	XXLs998-03z	185	J233542.7-542055	XXLs998-03z_185.v3.3.c1
s0275		XXLs998-06z_17.v3.3.c1	XXLs998-06z	017	1	224394	2	2	224394	E-	1	0	XXLs998-06z	17	J234137.0-545208	XXLs998-06z_17.v3.3.c1
s0278		XXLs998-06z_170.v3.3.c1	XXLs998-06z	170	1	224452	2	2	224452	E-	1	0	XXLs998-06z	170	J234154.7-550746	XXLs998-06z_170.v3.3.c1
s0279		XXLs998-06z_185.v3.3.c2	XXLs998-06z	185	2	224457	2	2	224457	E-	2	0	XXLs998-06z	185	J234207.5-550910	XXLs998-06z_185.v3.3.c2
s0281		XXLs998-07z_102.v3.3.c2	XXLs998-07z	102	2	224593	2	2	224593	E-	2	0	XXLs998-07z	102	J234103.0-543659	XXLs998-07z_102.v3.3.c2
s0283		XXLs998-07z_156.v3.3.c2	XXLs998-07z	156	2	224612	2	2	224612	E-	2	0	XXLs998-07z	156	J234023.1-544226	XXLs998-07z_156.v3.3.c2
s0285		XXLs998-08z_9.v3.3.c2	XXLs998-08z	009	2	224816	2	2	224816	EP	2	0	XXLs998-08z	9	J233952.7-540455	XXLs998-08z_9.v3.3.c2
s0286		XXLs998-08z_57.v3.3.c1	XXLs998-08z	057	1	224748	2	2	224748	E-	1	0	XXLs998-08z	57	J233948.0-541126	XXLs998-08z_57.v3.3.c1
s0287		XXLs998-09z_30.v3.3.c1	XXLs998-09z	030	1	224919	2	2	224919	E-	1	0	XXLs998-09z	30	J233646.3-534734	XXLs998-09z_30.v3.3.c1
s0288		XXLs998-09z_136.v3.3.c1	XXLs998-09z	136	1	224968	2	2	224968	E-	1	0	XXLs998-09z	136	J233649.6-535738	XXLs998-09z_136.v3.3.c1
s0289		XXLs998-10z_83.v3.3.c2	XXLs998-10z	083	2	225143	2	2	225143	E-	2	0	XXLs998-10z	83	J233748.7-532757	XXLs998-10z_83.v3.3.c2
s0291		XXLs998-11z_113.v3.3.c2	XXLs998-11z	113	2	225360	2	2	225360	EP	2	0	XXLs998-11z	113	J233543.2-530748	XXLs998-11z_113.v3.3.c2
s0292		XXLs998-11z_120.v3.3.c1	XXLs998-11z	120	1	225366	2	2	225366	E-	1	0	XXLs998-11z	120	J233403.5-530828	XXLs998-11z_120.v3.3.c1
s0293		XXLs998-13z_74.v3.3.c2	XXLs998-13z	074	2	225724	2	2	225724	E-	2	0	XXLs998-13z	74	J233748.3-532745	XXLs998-13z_74.v3.3.c2
s0294		XXLs998-15z_98.v3.3.c2	XXLs998-15z	098	2	225991	2	2	225991	E-	2	0	XXLs998-15z	98	J234222.2-541429	XXLs998-15z_98.v3.3.c2
s0297		XXLs000-27z_60.v3.3.c2	XXLs000-27z	060	2	216458	2	2	216458	EP	2	0	XXLs000-27z	60	J233147.4-545650	XXLs000-27z_60.v3.3.c2
s0301		XXLs996-09z_16.v3.3.c3	XXLs996-09z	016	3	218204	2	0	218204	PP	0	1	XXLs996-09z	16	J231650.7-545419	XXLs996-09z_16.v3.3.c0
n0170	n0032	b01_44.v1.1	XXLn000-01a	044	0	-1	-1	0								
n0171	n0037	b02_34.v1.1	XXLn000-02a	034	0	-1	-1	0								
n0172	n0042	b07_58.v2.1	XXLn000-07a	058	0	209133	20	1	209133	P-	0	0	XXLn000-07a	60	J022401.0-032535	XXLn000-07a_60.v3.3.c0
n0173	n0011	b10_26.v2.1	XXLn000-10a	026	0	209400	20	1	209400	PP	0	0	XXLn000-10a	45	J022719.1-032315	XXLn000-10a_45.v3.3.c0
n0174	n0046	b14_31.v1.1	XXLn000-14a	031	0	209836	21	1	209836	-E	1	0	XXLn000-13c	0	J022545.0-031228	XXLn000-13c_0.v3.3.c1
n0175	n0046	b14_32.v1.1	XXLn000-14a	032	0	-1	-1	0								
n0176	n0021	g05_104.v2.1	XXLn000-85a	104	0	217621	20	1	217621	PP	0	0	XXLn000-85a	114	J022729.3-043226	XXLn000-85a_114.v3.3.c0
n0177	n0021	g05_37.v1.1	XXLn000-85a	037	0	217633	20	1	217633	PP	0	0	XXLn000-85a	131	J022726.3-043327	XXLn000-85a_131.v3.3.c0
n0178	n0022	g07_211.v2.1	XXLn000-87a	211	0	217956	20	1	217956	PP	0	0	XXLn000-87a	193	J022529.6-043934	XXLn000-87a_193.v3.3.c0
n0179	n0026	g11_14.v1.1	XXLn000-91a	014	0	218585	20	1	218585	PP	0	0	XXLn000-91a	193	J022605.5-045804	XXLn000-91a_193.v3.3.c0
n0180	n0026	g11_186.v2.1	XXLn000-91a	186	0	218581	20	1	218581	PP	0	0	XXLn000-91a	189	J022604.4-045931	XXLn000-91a_189.v3.3.c0
n0181	n0064	g19_2.v2.1.c2	XXLn000-99a	002	2	219538	11	1	219538	E-	1	0	XXLn000-99a	2	J022233.6-045804	XXLn000-99a_2.v3.3.c1
n0182	n0032	b25_48.v1.1	XXLn000-25a	048	0	223919	21	-1	211153	EE	1	0	XXLn000-25a	38	J022145.3-034616	XXLn000-25a_38.v3.3.c1
n0183	n0037	b03_76.v2.1.c2	XXLn000-03a	076	2	208636	11	1	208636	E-	2	0	XXLn000-03a	83	J022502.0-034805	XXLn000-03a_83.v3.3.c2
n0184	n0014	b10_5.v2.1.c1	XXLn000-10a	005	1	210015	121	1	210015	EP	1	0	XXLn000-15a	213	J022738.2-031759	XXLn000-15a_213.v3.3.c1
n0185	n0053	b29_116.v2.1	XXLn000-29a	116	0	211569	20	1	211569	P-	0	0	XXLn000-29a	112	J022021.3-025016	XXLn000-29a_112.v3.3.c0
n0186	n0016	g03_112.v2.0.c1	XXLn000-83a	112	1	217135	21	1	217135	E-	1	0	XXLn000-82a	152	J022530.7-041418	XXLn000-82a_152.v3.3.c1
n0187	n0018	g03_135.v2.1.c1	XXLn000-83a	135	1	217278	11	1	217278	EP	1	0	XXLn000-83a	122	J022403.9-041331	XXLn000-83a_122.v3.3.c1
n0188	n0012	b27_29.v2.1.c1	XXLn000-27a	029	1	211321	11	-1	209496	EP	1	0	XXLn000-11a	26	J022206.5-030314	XXLn000-11a_26.v3.3.c1
n0189	n0022	g11_11.v2.1.c1	XXLn000-91a	011	1	218437	11	-1	217946	EP	1	0	XXLn000-87a	190	J022524.6-044046	XXLn000-87a_190.v3.3.c1
n0190	n0039	B04_12.v3.1	XXLn000-04b	012	0	208713	21	-1	225698	E-	1	0	XXLn000-04z	16	J022644.3-034100	XXLn000-04z_16.v3.3.c1
n0191	n0079	B33_133.v3.1.c2	XXLn000-33a	133	2	211962	20	1	211962	P-	0	0	XXLn000-33a	154	J022808.3-035350	XXLn000-33a_154.v3.3.c0
n0192	n0083	B40_51.v3.1.c2	XXLn000-40a	051	2	-1	-1	0								
n0193	n0084	B50_111.v3.1	XXLn000-50a	111	0	213229	30	1	213229	P-	0	0	XXLn000-43a	18	J021837.3-054026	XXLn000-43a_18.v3.3.c0
n0194	n0089	B54_10.v3.1.c1	XXLn000-54a	010	1	-1	-1	0								
n0196	n0089	B57_163.v3.1.c2	XXLn000-57a	163	2	214563	21	1	214563	E-	1	0	XXLn000-54a	8	J021529.1-044053	XXLn000-54a_8.v3.3.c1
n0197	n0101	B69_203.v3.1.c2	XXLn000-69a	203	2	216483	11	1	216483	E-	2	0	XXLn000-69a	197	J021806.4-033922	XXLn000-69a_197.v3.3.c2
n0198	n0105	S01_10ks.c_112.v3.1.c2	XXLn998-01z	112	2	225599	20	1	225599	PP	0	0	XXLn998-01z	119	J021830.5-050125	XXLn998-01z_119.v3.3.c0
n0199	n0107	S04full_181.v3.2.c2	XXLn998-04z	181	2	225420	11	1	225420	E-	1	0	XXLn998-04z	177	J021658.8-044952	XXLn998-04z_177.v3.3.c1

Table 1: continued

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
tag	sec. tag	shortname	field	id	C1/2	seq	direct	xxl	Xseq	class	C1/2	sp	field	id	IAU name	new name
n0200	n0105	S01full_130_v3.2_c1	XXLn998-01z	130	1	225598	11	1	225598	E-	1	0	XXLn998-01z	118	J021832.0-050059	XXLn998-01z_118_v3.3_c1
n0201	n0106	S02full_38_v3.2_c1	XXLn998-02a	038	1	-1	-1	0								
n0202	n0107	S04full_180_v3.2_c1	XXLn998-04z	180	1	225419	11	1	225419	E-	1	0	XXLn998-04z	176	J021659.2-044900	XXLn998-04z_176_v3.3_c1
n0203	n0109	S06full_33_v3.2_c1	XXLn998-06a	033	1	222834	11	1	222834	E-	1	0	XXLn998-06a	35	J021735.2-051323	XXLn998-06a_35_v3.3_c1
n0221	n0025	XXLn011-01_112_v3.3_c2	XXLn011-01	112	2	200029	1	1	200029	E-	2	0	XXLn011-01	112	J022804.4-045100	XXLn011-01_112_v3.3_c2
n0235	n0234	XXLn116-04_5_v3.3_c1	XXLn116-04	005	1	201976	1	-1	<b>201938</b>	EP	1	0	XXLn116-03	146	J020647.7-065653	XXLn116-03_146_v3.3_c1
n0247	n0282	XXLn032-02_204_v3.3_c2	XXLn032-02	204	2	203780	1	-1	<b>204424</b>	EP	2	0	XXLn052-01	4	J021325.0-042000	XXLn052-01_4_v3.3_c2
n0264	n0263	XXLn096-02_10_v3.3_c1	XXLn096-02	010	1	207253	1	1	207253	E-	1	0	XXLn096-02	10	J021539.1-055859	XXLn096-02_10_v3.3_c1
n0287	n0285	XXLn052-04_204_v3.3_c2	XXLn052-04	204	2	204804	1	1	204804	E-	2	0	XXLn052-04	204	J020955.3-043737	XXLn052-04_204_v3.3_c2
n0292	n0081	XXLn031-01_139_v3.3_c1	XXLn031-01	139	1	202741	1	1	202741	E-	1	0	XXLn031-01	139	J022549.5-055351	XXLn031-01_139_v3.3_c1
n0297	n0298	XXLn031-04_157_v3.3_c2	XXLn031-04	157	2	203031	1	1	203031	E-	2	0	XXLn031-04	157	J023010.3-054036	XXLn031-04_157_v3.3_c2
n0302	n0303	XXLn031-11_86_v3.3_c2	XXLn031-11	086	2	203511	1	1	203511	E-	2	0	XXLn031-11	86	J023333.8-053053	XXLn031-11_86_v3.3_c2
n0342	n0343	XXLn074-04_83_v3.3_c2	XXLn074-04	083	2	220648	1	0	220648	P-	<b>0</b>	<b>1</b>	XXLn074-04	83	J021004.1-052808	XXLn074-04_83_v3.3_c0
s0001	s0143	XXLs001-01_121_v3.3_c2	XXLs001-01	121	2	200029	2	-2	<b>217780</b>	E-	<b>1</b>	0	XXLs996-06z	128	J231519.9-542041	XXLs996-06z_128_v3.3_c1
s0009	s0012	XXLs001-08_2_v3.3_c1	XXLs001-08	002	1	200596	2	2	200596	E-	1	0	XXLs001-08	2	J231530.4-530354	XXLs001-08_2_v3.3_c1
s0022	s0018	XXLs020-06_66_v3.3_c2	XXLs020-06	066	2	201277	2	2	201277	E-	2	0	XXLs020-06	66	J231800.5-524700	XXLs020-06_66_v3.3_c2
s0023	s0007	XXLs020-06_181_v3.3_c1	XXLs020-06	181	1	201316	2	2	201316	E-	1	0	XXLs020-06	181	J231703.9-530025	XXLs020-06_181_v3.3_c1
s0033	s0032	XXLs021-09_55_v3.3_c1	XXLs021-09	055	1	202257	2	-2	<b>202129</b>	E-	1	0	XXLs021-07	136	J233636.9-524414	XXLs021-07_136_v3.3_c1
s0043	s0042	XXLs031-10_72_v3.3_c2	XXLs031-10	072	2	207294	2	2	207294	E-	2	0	XXLs031-10	72	J234919.3-533048	XXLs031-10_72_v3.3_c2
s0046	s0048	XXLs041-02_185_v3.3_c2	XXLs041-02	185	2	207543	2	-2	<b>207628</b>	EP	<b>1</b>	0	XXLs041-03	113	J234550.6-540235	XXLs041-03_113_v3.3_c1
s0088	s0068	XXLs000-04b_81_v3.3_c1	XXLs000-04b	081	1	202789	2	-2	<b>214491</b>	-E	1	0	XXLs000-04c	0	J232958.2-560815	XXLs000-04c_0_v3.3_c1
s0114	s0124	XXLs000-35a_153_v3.3_c2	XXLs000-35a	153	2	205654	2	2	205654	E-	2	0	XXLs000-35a	153	J233215.1-544203	XXLs000-35a_153_v3.3_c2
s0126	s0083	XXLs000-40a_81_v3.3_c2	XXLs000-40a	081	2	206210	2	2	206210	E-	2	0	XXLs000-40a	81	J233003.9-541421	XXLs000-40a_81_v3.3_c2
s0147	s0200	XXLs997-01z_1_v3.3_c1	XXLs997-01z	001	1	220278	2	2	220278	EE	1	0	XXLs997-01z	1	J233227.4-535823	XXLs997-01z_1_v3.3_c1
s0163	s0016	XXLs997-18z_96_v3.3_c1	XXLs997-18z	096	1	223253	2	-2	<b>201081</b>	EP	1	0	XXLs020-04	51	J232235.0-524446	XXLs020-04_51_v3.3_c1
s0188	s0187	XXLs070-10_27_v3.3_c1	XXLs070-10	027	1	210201	2	2	210201	E-	1	0	XXLs070-10	27	J234806.0-560129	XXLs070-10_27_v3.3_c1
s0208	s0068	XXLs000-04z_83_v3.3_c2	XXLs000-04z	083	2	214577	2	2	214577	E-	2	0	XXLs000-04z	83	J233000.1-560826	XXLs000-04z_83_v3.3_c2
s0232	s0143	XXLs996-06z_123_v3.3_c2	XXLs996-06z	123	2	217776	2	2	217776	E-	2	0	XXLs996-06z	123	J231520.8-542205	XXLs996-06z_123_v3.3_c2
s0239	s0138	XXLs996-13z_97_v3.3_c2	XXLs996-13z	097	2	218917	2	2	218917	E-	2	0	XXLs996-13z	97	J231855.3-561149	XXLs996-13z_97_v3.3_c2
s0300	s0201	XXLs997-01z_160_v3.3_c2	XXLs997-01z	160	2	220323	2	2	220323	E-	2	0	XXLs997-01z	160	J233325.2-540118	XXLs997-01z_160_v3.3_c2
n0344	cur_not_det_004			0	<b>0</b>	-1	-1	0								
n0345	g05_27_v2.0_c1		XXLn000-85a	027	1	217524	20	1	217524	P-	<b>0</b>	0	XXLn000-85a	38	J022827.8-042601	XXLn000-85a_38_v3.3_c0
n0346	g02_39_v2.1		XXLn000-82a	039	<b>0</b>	-1	-1	0								
n0347	g18_38_v2.1		XXLn000-98a	038	<b>0</b>	219416	20	0	219416	P-	<b>0</b>	<b>1</b>	XXLn000-98a	31	J022342.3-050200	XXLn000-98a_31_v3.3_c0
n0348	g15_14_v2.1		XXLn000-95a	014	<b>0</b>	219019	20	0	219019	P-	<b>0</b>	<b>1</b>	XXLn000-95a	11	J022828.7-045939	XXLn000-95a_11_v3.3_c0
n0349	g11_217_v2.1		XXLn000-91a	217	<b>0</b>	-1	-1	0								
n0350	cur_not_det_019			0	<b>0</b>	212266	30	1	212266	-P	<b>0</b>	0	XXLn000-36a	0	J022411.7-052248	XXLn000-36a_0_v3.3_c0
n0351	g11_220_v2.1		XXLn000-91a	220	<b>0</b>	-1	-1	0								
n0352	g04_65_v2.1		XXLn000-84a	065	<b>0</b>	217356	20	1	217356	PP	<b>0</b>	0	XXLn000-84a	61	J022258.4-040709	XXLn000-84a_61_v3.3_c0
n0353	g08_122_v2.1		XXLn000-88a	122	<b>0</b>	218052	20	1	218052	PP	<b>0</b>	0	XXLn000-88a	120	J022341.8-043051	XXLn000-88a_120_v3.3_c0
n0354	b10_67_v2.1		XXLn000-10a	067	<b>0</b>	209414	20	1	209414	P-	<b>0</b>	0	XXLn000-10a	68	J022738.8-032610	XXLn000-10a_68_v3.3_c0
n0355	g01_100_v2.1		XXLn000-81a	100	<b>0</b>	216991	20	1	216991	P-	<b>0</b>	0	XXLn000-81a	95	J022652.0-040957	XXLn000-81a_95_v3.3_c0
n0356	b22_44_v2.1		XXLn000-22a	044	<b>0</b>	225957	30	1	225957	P-	<b>0</b>	0	XXLn000-22z	52	J022129.4-040556	XXLn000-22z_52_v3.3_c0
n0357	g07_142_v2.1		XXLn000-87a	142	<b>0</b>	-1	-1	0								
n0358	g07_64_v2.1		XXLn000-87a	064	<b>0</b>	217876	20	1	217876	PP	<b>0</b>	0	XXLn000-87a	62	J022522.9-042649	XXLn000-87a_62_v3.3_c0
n0359	b03_214_v2.1		XXLn000-03a	214	<b>0</b>	208679	20	0	208679	P-	<b>0</b>	<b>1</b>	XXLn000-03a	226	J022510.3-040148	XXLn000-03a_226_v3.3_c0
n0360	g03_113_v2.0_c2		XXLn000-83a	113	2	217134	30	1	217134	P-	<b>0</b>	0	XXLn000-82a	151	J022528.5-041538	XXLn000-82a_151_v3.3_c0
n0361	S06_10ks_c_208_v3.1		XXLn998-06a	208	<b>0</b>	223009	20	1	223009	P-	<b>0</b>	0	XXLn998-06a	170	J021754.5-052657	XXLn998-06a_170_v3.3_c0
n0362	B49_77_v3.1		XXLn000-49a	077	<b>0</b>	214244	21	-1	<b>214137</b>	P-	<b>0</b>	0	XXLn000-49a	71	J021842.9-053254	XXLn000-49a_71_v3.3_c0
n0363	g07_46_v2.1		XXLn000-87a	046	<b>0</b>	217863	20	0	217863	P-	<b>0</b>	<b>1</b>	XXLn000-87a	38	J022542.2-042434	XXLn000-87a_38_v3.3_c0
n0364	g06_125_v2.1		XXLn000-86a	125	<b>0</b>	217738	20	0	217738	P-	<b>0</b>	<b>1</b>	XXLn000-86a	119	J022610.0-043119	XXLn000-86a_119_v3.3_c0
n0365	g10_164_v2.1		XXLn000-90a	164	<b>0</b>	-1	-1	0								