

## Appendix A: Development of the catalogue

### A.1. Updates

The present version of the catalogue has opened entries for *possible* post-AGB objects (the entries for *unlikely* objects remain closed). Photometric and spectroscopic data are available now for 474 sources (391 *very likely* and 83 *possible* post-AGB objects). To allow an efficient search among the different parts of the catalogue, we have included the possibility of querying the database by searching all sub-catalogues for a given object name. This may be done directly from the home page of the catalogue or by means of the “Search” button inside each of the sub-catalogues. Because the SIMBAD post-AGB database now includes many of the names which were marked by “\*” in the previous version of the catalogue (meaning that this counterpart was found by us), in this version we have removed all “\*” even if the given name is still not in the SIMBAD database.

The spectroscopic atlas of post-AGB stars and planetary nebulae presented by Suárez et al. (2006) contains low-resolution optical spectroscopy, finding charts and improved astrometric coordinates of a sample of 253 IRAS sources. The objects are divided in several groups, among which there are 102 sources classified as post-AGB stars, 21 as “transition sources”, and 36 as planetary nebulae. 121 of them<sup>1</sup> together with their spectra (if available) were included in the present version of the Toruń catalogue (85 as *very likely*, 30 as *possible* and 6 as *unlikely* post-AGB objects). The spectral types determined by Suárez et al. (2006) are also added, followed by “S:” and they appear independently of the spectral type from SIMBAD, in the column marked “Spectral type other”.

In addition, a spectroscopic survey of 16 post-AGB candidates performed by Pereira & Miranda (2007) provided low resolution optical spectra for 10 objects which were or are included into our catalogue (9 as *very likely* or *possible* post-AGB objects and 1 as *unlikely*). We did not include objects classified by Pereira & Miranda (2007) as non-post-AGB, except for IRAS 18044–1303, which is now classified as *unlikely* but was *possible* in the previous version of the catalogue. These optical spectra and their spectral types are also included independently of the SIMBAD spectral type and are followed by “PM:” in the column marked “Spectral type other”.

The release of the Guide Star Catalog (GSC), Version 2.3.2 (STScI & OATo 2007) allowed us to add photometry at *B<sub>j</sub>* (blue), *V* (green), *F* (red), and *N* (0.8  $\mu$ m) photographic bands to the catalogue. The limits on brightness which existed in the previous version of GSC were removed and hence data for more objects are available. However, we left the GSC2.2 photometry in our catalogue for comparison.

New objects were added to each of the 3 categories in our catalogue, some sources were removed and some others were moved between sub-catalogues. Changes are described in de-

tail in Sect.A.2 and in the log file in our catalogue. In summary, the present version of the sub-catalogue concerning *very likely* post-AGBs contains 391 sources (65 more than the previous version - see Paper I). The number of *very likely* post-AGBs increased due to:

- the re-classification of 32 sources from *possible* to *very likely* due to the increased number of references<sup>2</sup> in ADS (as the end of 2009) to five or more;
- adding 30 sources, which were missing in the previous version of the catalogue - 16 R CrB stars, 7 RV Tau stars and 7 “genuine” post-AGBs;
- the re-classification of 2 RV Tau stars from *possible* to *very likely* due to the “redefinition” of our criteria;
- the re-classification of 3 possible objects from *possible* to *very likely* due to the discovery of their RV Tau star’s nature;
- re-classifying 1 *possible* post-AGB object (IRAS 14072–5446) as *very likely*.

However, 2 *very likely* objects (IRAS 17433–1750 and IRAS 21537+6435) were moved to the *possible* post-AGBs and 1 *very likely* object (IRAS 01174+6110) was moved to the *unlikely* list.

The present number of *possible* post-AGBs is 83 (24 less than in the previous version of the catalogue). This is the result of removing 40 objects, due to:

- the re-classification of 32 sources as being now *very likely* post-AGBs due to the increased number of references in ADS (see above);
- the re-classification of 2 RV Tau stars as being now *very likely* post-AGBs;
- the re-classification of 3 possible objects as being now *very likely* RV Tau stars;
- moving IRAS 14072–5446 to *very likely* post-AGBs;
- moving IRAS 18044–1303 to *unlikely* post-AGBs;
- removing IRAS 17516–2526 from the catalogue.

On the other hand, 16 sources have been added to the *possibles*:

- 2 which were moved from *very likely*;
- 1 which was moved from *unlikely*
- 6 which were missing in our catalogue, but still have not enough bibliographic entries in ADS to be included as *very likely*;
- 6 objects (IRAS 05089+0459, IRAS 07227–120, IRAS 15406–4946, IRAS 16476–1122, IRAS 17223–2659 and IRAS 19225+1950) with M-type central stars (as classified by Suárez et al. 2006) have been moved from *unlikely* to *possible*;
- 1 missed object of uncertain nature: IRAS 19312+1950.

Finally, 66 objects are classified as *unlikely* post-AGBs (2 more than in the previous version of the catalogue). 6

<sup>1</sup> We have excluded 2 objects considered post-AGB stars and 2 considered as transition source because they are in fact PNe. They are: IRAS 17300–3509, IRAS 17579–3121, IRAS 17347–3139, and IRAS 17466–3031 (see Acker et al. 1992). However, we have included as *very likely* post-AGB the object IRAS 17381–1616, which was classified as a PN, but is a post-AGB object of spectral type B1Ibe.

<sup>2</sup> We did not count our Paper I as a reference. Therefore objects with 5 references in ADS, including our paper, are still counted as *possible* post-AGB objects. They can be recognized by the phrase “but only 5(-1) bibliographic entries in the ADS”.

objects with M-type stars were intentionally moved to *possible*, IRAS 18420–0512 was also moved to *possible* and IRAS 15154–5258 has been removed from the catalogue since it is classified as [WR] planetary nebula.

However, 10 objects have been added as *unlikely*: 1 object moved from *possible* (IRAS 18044–1303); 1 object moved from *very likely* (IRAS 01174+6110); HD 319896 is not a counterpart of the *possible* post-AGB object IRAS 17277–3506; and 7 objects added from SIMBAD which were missing in the previous version of the catalogue (see Sect. A.2 for details).

There is still one group of objects considered as post-AGB in the literature which is intentionally not included in our catalogue. These are non-variable OH/IR stars (Habing et al. 1987), or, speaking more generally, objects in transition from AGB to post-AGB. We plan to cover this topic in the next edition of the catalogue.

## A.2. Notes on individual objects

For brevity, below we label “*very likely* post-AGB object” by “*vl*”, “*possible* post-AGB object” by “*p*”, and “*unlikely* post-AGB object” by “*u*”.

IRAS 01174+6110 - *u* : This source was *very likely* in the previous version of the catalogue. It is a HII region (Kelly & Hrivnak 2005; Suárez et al. 2006).

IRAS 01259+6823 - *vl* : This source was missed in the previous version of the catalogue. Its post-AGB nature was discussed in particular by Kelly & Hrivnak (2005) and Suárez et al. (2006).

IRAS 05089+0459 - *p* : This object (its spectral type is M3I) was *disqualified (unlikely)* in the previous version of the catalogue. However, it has a double-peaked energy distribution and luminosity class I, so it has been upgraded to *possible*. Inside the IRAS error ellipse there is only one 2MASS source (05113615+0503262).

IRAS 05113+1347 - *vl* : This object is now confirmed by Spitzer Space Telescope to be a 21 $\mu$ m source (Hrivnak et al. 2009).

IRAS 05280+3817 - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

IRAS 06530–0213 - *vl* : This object is now confirmed by Spitzer Space Telescope to be a 21 $\mu$ m source (Hrivnak et al. 2009).

IRAS 07018–0513 - *p* : This source has been incorrectly attributed by Oudmaijer et al. (1992) to HD 53300 = SAO 134141. This wrong identification is followed by SIMBAD. The correct counterpart of IRAS 07018–0513 seems to be MSX G219.1270+00.4428 source, which lies in the error ellipse of the IRAS source and is located only about 9'' from the IRAS position almost along the major error ellipse axis. The MSX flux of about 0.5 Jy in band A at 8.28 $\mu$ m (at other MSX bands only limits are available) may be compared with the IRAS flux at 12 $\mu$ m of 0.75 Jy. There is no other MSX sources around and, therefore, we believe that the MSX source is the proper counterpart of IRAS 07018–0513. The only optical counterpart may be found

in the USNO-A2.0 Catalogue (Monet et al. 1998). Therefore, for this specific case, the object USNO-A2.0 0825-03845665 and its photometry at *B* and *R* bands has been introduced in the GSC2.2 entry of the catalogue.

IRAS 07227–1320 - *p* : The object (its spectral type is M1I) was *disqualified (unlikely)* in the previous version of the catalogue. However, it has a double-peaked energy distribution and has luminosity class I, so it has been upgraded to *possible*. Inside the IRAS error ellipse there is only one MSX (G228.6982+01.1764) and one 2MASS (07250306-1326199) source.

IRAS 07430+1115 - *vl* : This object is now confirmed by Spitzer Space Telescope to be a 21 $\mu$ m source (Hrivnak et al. 2009).

IRAS 08281–4850 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is an A-type post-AGB star with s-process enrichment (Reyniers et al. 2007).

IRAS 10174–5704 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a RV Tau object from the list of 20 newly characterized stars by de Ruyter et al. (2006).

IRAS 10178–5958 - *vl* : This source was missed in the previous version of the catalogue. It is a bipolar proto-planetary nebula (e.g., Sahai et al. 2007; Parthasarathy et al. 2001) and was introduced as transition object in Suárez et al. (2006).

IRAS 11118–5726 - *vl* : This source was a *possible* in the previous version of the catalogue due to its spectral type M0I. It is a RV Tau star.

IRAS 11353–6037 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 11381–6401 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. Its spectral energy distribution has a double-peaked shape characteristic for post-AGB objects.

IRAS 11531–6111 - *p* : This object was missed in the previous version of the catalogue. It has a double-peaked SED and was classified as transition object in Suárez et al. (2006). It is a *possible* object in our catalogue due to the small number of references in ADS.

IRAS 12302–6317 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It was introduced as a post-AGB object in Suárez et al. (2006).

IRAS 12309–5928 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a heavily obscured post-AGB star (Ramos-Larios et al. 2009).

IRAS 12419–5414 - *vl* : This source was missed in the previous version of the catalogue. It is a well known reflection nebula (Sahai et al. 2007).

IRAS 13010–6012 - *p* : Information about the spectral type (M2I - Suárez et al. 2006) of this source was missing in the previous version of the catalogue. The object has a double-peaked SED and has luminosity class I, so it is classified as *possible* post-AGB object. Inside the IRAS error ellipse

there is only one 2MASS (13040549-6028456) and one MSX (G304.4917+02.3547) source.

IRAS 13203–5917 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 13404–6059 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a heavily obscured post-AGB star (Ramos-Larios et al. 2009).

IRAS 13421–6125 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 13500–6106 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a heavily obscured post-AGB star (Ramos-Larios et al. 2009).

IRAS 13529–5934 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. Ramos-Larios et al. (2009) found an optical counterpart to this source.

IRAS 13557–6442 - *vl* : This source was missed in the previous version of the catalogue. It is a bipolar proto-planetary nebula (Sahai et al. 2007).

IRAS 14072–5446 - *vl* : In the previous version of the catalogue this source was mistakenly considered as a possible OB star and treated, therefore, as a *possible*. It is a hot post-AGB star (Parthasarathy et al. 2000).

IRAS 14104–5819 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a heavily obscured post-AGB star (Ramos-Larios et al. 2009).

IRAS 14325–6428 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is an A-type post-AGB star with s-process enrichment (Reyniers et al. 2007).

IRAS 14482–5725 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 14527–6204 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 15154–5258. This object is a well known [WR] PN (PN G324.0+03.5) and there is no doubt about its nature (e.g., Manchado et al. 1989b; Acker et al. 1992; Acker & Neiner 2003; Kerber et al. 2003). Thus it has been removed from the *unlikely* list.

IRAS 15210–6554 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 15310–6149 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It has a double-peaked SED and was classified as a post-AGB star in Suárez et al. (2006).

IRAS 15406–4946 - *p* : This object (its spectral type is M4II) was *disqualified (unlikely)* in the previous version of the catalogue. However, it has a double-peaked energy distribution, so it has been upgraded to *possible*. The only MSX source (G329.1514+03.9200) inside the IRAS error ellipse is

located about 18'' from the nominal IRAS position. The corresponding 2MASS source is 15442051-4956241 and its optical counterpart in GSC 2.3.2 catalogue is S8U4108432. This GSC source has (somewhat strange) photometry, which does not match spectrum of Suárez et al. (2006) (see SED of this source in our catalogue). However, we have checked that another GSC 2.3.2 object (S8U4074386), which is located only about 4'' from the 2MASS source towards NE has photometry matching very well the optical spectrum. Therefore, we expect that in this case a wrong counterpart was observed.

IRAS 15544–5332 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a “water fountain source” (e.g., Imai et al. 2007).

IRAS 15556–5444 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a RV Tau star.

IRAS 16283–4424 - *p* : This object was missed in the previous version of the catalogue. It has a double-peaked SED and was classified as a post-AGB object in Suárez et al. (2006). It is a *possible* object in our catalogue due to a small number of references in ADS.

IRAS 16476–1122 - *p* : This object (its spectral type is M1 I or M2 I - this paper) was *disqualified (unlikely)* in the previous version of the catalogue. However, it has a double-peaked energy distribution and luminosity class I, so it has been upgraded to *possible*. Inside the IRAS error ellipse there is only one 2MASS source (16502429-1127577).

IRAS 16552–3050 - *vl* : This source has been incorrectly attributed by us to 2MASS source 16582776-3055062. According to Suárez et al. (2008) this object is an obscured post-AGB not associated with any optical counterpart and has high-velocity bipolar water maser, it is thus a water fountain star.

IRAS 17223–2659 - *p* : This object was *disqualified (unlikely)* in the previous version of the catalogue. The source is located in the crowded region. In the IRAS error ellipse there are at least four 2MASS sources, but only one MSX object (G359.1995+04.7774) which is located about 3'' from the nominal IRAS position. There are two 2MASS sources in the vicinity of the MSX source (3.6 and 5.5'' from the MSX position). For the presentation in the catalogue we have chosen 2MASS object (17252662-2702013) which is located at distance of 5.5'' from the MSX position. We have checked, however, that selecting the closer 2MASS source, which is weaker, do not change much the picture. We note, that the slope of the optical spectrum (its spectral type is M5 III) does not fit to the slope of the photometry. It may suggest that a wrong counterpart was observed by Suárez et al. (2006), and therefore we have upgraded this double-peaked SED source to *possible*.

IRAS 17253–2831 - *vl* : This source was missed in the previous version of the catalogue. Suárez et al. (2006) classified it as a post-AGB object of M4II spectral type. The source is located in the crowded region, with three 2MASS sources inside the IRAS error ellipse, but only one MSX source (G358.3116+03.3617). The optical spectrum of Suárez et al. (2006) seemed to have wrong slope, what suggested that a wrong counterpart was observed. Therefore, we have re-



observed optical counterpart of this object selecting the closest 2MASS counterpart (17283296-2833258). Its optical spectrum is classified as F7 I and source was counted as *very likely* post-AGB object.

IRAS 17291–2402 - *vl* : This source was missed in the previous version of the catalogue. The effective temperature is 6000 K (Reddy & Parthasarathy 1996), but the source is sometimes classified as planetary nebula PN G002.5+05.1 (e.g., Kerber et al. 2003). It is a transition object in Suárez et al. (2006).

IRAS 17310–3432 - *vl* : This source was a *possible* post-AGB in the previous version of the catalogue due to the small number of references in ADS. It has a double-peaked SED and was classified as a post-AGB object in Suárez et al. (2006).

IRAS 17326–3324 - *u* : This source was missed in the previous version of the catalogue, and is classified as post-AGB object by SIMBAD. However, this is a massive supergiant in a cluster (Massey et al. 2001) and thus we treat it as an *unlikely* object in our catalogue.

IRAS 17364–1238 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 17370–3357 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 17392–3020 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It was considered as a post-AGB object by Suárez et al. (2006).

IRAS 17424–2331 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

IRAS 17433–1750 - *p* : The object was considered as a *very likely* post-AGB object in the previous version of the catalogue. García-Hernández et al. (2007) classified it as O-rich AGB star (its spectral type is M2 I - (Hu et al. 1993) and this paper). It has double-peaked SED and luminosity class I. Therefore, as for other post-AGBs with M-type central stars, we have decided to move it to our *possible* list.

IRAS 17440–3310 - *p* : This object was missed in the previous version of the catalogue. It has a double-peaked SED and was considered as a young proto-planetary nebula by Sahai et al. (2007). It is a *possible* object in our catalogue due to the small number of references in ADS.

IRAS 17476–4446 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 17488–1741 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It has a double-peaked SED and was classified as a post-AGB star in Suárez et al. (2006).

IRAS 17516–2526. This is the same object as the *very likely* post-AGB object IRAS 17516–2525, so it was removed from our catalogue. The name “IRAS 17516–2526” was included in Manchado et al. (1989a).

IRAS 17542–0603 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of

references in ADS. It was introduced as a post-AGB object in Kelly & Hrivnak (2005) and Suárez et al. (2006).

IRAS 17576–2653 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. Its SED has a double-peaked shape and it is a post-AGB object in Suárez et al. (2006).

IRAS 18044–1303 - *u* : The object has been moved from *possible* to *unlikely* since it is a Young Stellar Object and not a post-AGB star according to Pereira & Miranda (2007).

IRAS 18096–3230 - *p* : Suárez et al. (2006) observed the object at a position that corresponds to GSC2.2 source S301310298380, while the correct counterpart of IRAS 18096–3230 is located inside the IRAS error ellipse and corresponds to the 2MASS source 18125855–3230038 (9.7'' from the nominal IRAS position). It has an optical counterpart in the NOMAD Catalog (Zacharias et al. 2004) NOMAD1 0574-0991490 and, exceptionally, this photometry at *B* has been introduced in the GSC2.2 entry of our catalogue.

IRAS 18100–2750 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

IRAS 18113–2503 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. Ramos-Larios et al. (2009) found an optical counterpart to this source.

IRAS 18158–3445 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a RV Tau star.

IRAS 18321–1401 - *p* : This source was missed in the previous version of the catalogue. Its spectrum shows characteristic features of a post-AGB object (Pereira & Miranda 2007), but due to a small number of references we classified it as a *possible*.

IRAS 18365+5154 - *p* : This source was missed in the previous version of the catalogue. It is not R CrB star (Hesselbach et al. 2002) and thus is on our *unlikely* list.

IRAS 18420–0512 - *p* : This source was classified as *disqualified (unlikely)* post-AGB in the previous version of the catalogue due to its spectral type MII given by SIMBAD. The optical spectrum of Suárez et al. (2006) (still classified as MII) is located above the collected photometry (see SED of this object in our catalogue). This may be, however, effect of the wrong spectrum calibration since the shape of the optical spectrum match very well shape of the collected photometry. There is good coincidence between IRAS, MSX and 2MASS positions. The other closest source is located 11'' away and is fainter in optical than the selected GSC source S9NC057178. The source has double-peaked SED, has an elongated shape on the HST images by Sahai et al. (2007) and luminosity class I.

IRAS 18489–0629 - *p* : This source was missed in the previous version of the catalogue. Similarly to IRAS 18321–1401, this object was observed by Pereira & Miranda (2007). The small number of references allowed us to classify it only as *possible* post-AGB.

IRAS 18539+0549 - *vl* : This object was missed in the previous version of the catalogue. Characteristic features and the absence of nebular emission lines, allowed Pereira & Miranda (2007) to classify it as a post-AGB star with spectral type G5I.

IRAS 19059+1732 - *p* : This source was missed in the previous version of the catalogue. It is a R CrB star.

IRAS 19090+3829 - *vl* : This source was a *possible* in the previous version of the catalogue due to its spectral type M5III. It is a RV Tau star.

IRAS 19176+1251 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It is a heavily obscured post-AGB star (Ramos-Larios et al. 2009).

IRAS 19225+3013 - *p* : The object (its spectral type is M2II or M3II - this paper) was *disqualified (unlikely)* in the previous version of the catalogue. However, it has a double-peaked energy distribution, and luminosity class II, so it has been upgraded to *possible* post-AGB. The 2MASS and optical counterpart of this source is located inside the IRAS error ellipse at about 10'' from the IRAS nominal position. There is no other 2MASS sources inside the IRAS error ellipse.

IRAS 19292+1806 - *p* : This source was missed in the previous version of the catalogue. It is a bipolar proto-planetary nebula (Sahai et al. 2007), but due to the small number of references is classified as a *possible* post-AGB in our catalogue.

IRAS 19312+1950 - *p* : This source was missed in the previous version of the catalogue. The nature of this object is uncertain (e.g., Nakashima & Deguchi 2005) and thus it was added to our *possible* list.

IRAS 19422+1438 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. Suárez et al. (2006) and Pereira & Miranda (2007) considered it as a post-AGB object.

IRAS 19477+2401 - *vl* : This object is now confirmed by Spitzer Space Telescope to be a 21 $\mu$ m source (Hrivnak et al. 2009).

IRAS 20174+3222 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 20559+6416 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It was introduced as post-AGB object in Kelly & Hrivnak (2005) and Suárez et al. (2006).

IRAS 21289+5815 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS.

IRAS 21537+6435 - *p* : The object was considered as a *very likely* post-AGB object in the previous version of the catalogue. However, up to now only Volk & Kwok (1989) listed it as proto-planetary nebula. Other publications say nothing about the nature of this object. Hence the status of IRAS 21537+6435 is uncertain.

IRAS 21546+4721 - *vl* : This source was a *possible* in the previous version of the catalogue due to the small number of references in ADS. It has a double-peaked SED and was classified as a transition source by Suárez et al. (2006).

AZ Sgr - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

BD+10 4058 - *u* : This object was missed in the previous version of the catalogue. It is a normal F-type supergiant and thus is on our *unlikely* list.

HD 319896 - *u* : HD 319896 is classified as T Tau-type star by SIMBAD and IRAS 17277–3506 was attributed to HD 319896 by Pottasch & Parthasarathy (1988). However, the IRAS nominal position is 31.3'' away in the SW direction, while its ellipse error has its major axis only 17'' and position angle of +95° so this association seems to be unlikely. Gledhill (2005) assumed that the counterpart of IRAS 17277–3506 is the 2MASS source 17310400–3508413. However, his observations did not give the final conclusion as far as the nature of this object is concerned, so we keep it still as a *unlikely* post-AGB source.

HD 326971 - *u* : This source was missed in the previous version of the catalogue. It has only 2 references in ADS but there is no evidence for this object being a post-AGB star. Thus it is in our *unlikely* list.

MACHO 176.19607.1138 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

Terz V 1680 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

Terz V 2046 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

Terz V 2960 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-01 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-02 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-03 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-05 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-09 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-11 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

[TMW2008] EROS2-GC-RCB-12 - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

V1135 Sco - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star in the Galactic Bulge (Tisserand et al. 2008).

V1690 Cyg - *u* : This source was missed in the previous version of the catalogue. It is a misclassified RV Tau and thus is on our *unlikely* list.

V2600 Oph - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

V532 Oph - *vl* : This object was missed in the previous version of the catalogue. It is a R CrB star Clayton et al. (2009).

V5361 Sgr - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

V594 Pup - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

V686 Ara - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

V691 Ara - *vl* : This source was missed in the previous version of the catalogue. It is a RV Tau star.

V803 Cen - *u* : This source was missed in the previous version of the catalogue. It is not R CrB star (Nagel et al. 2009) and thus is on our *unlikely* list.

V820 Cen - *u* : This source was missed in the previous version of the catalogue. It is not a RV Tau star (Pollard et al. 1996, 1997) and thus is on our *unlikely* list.

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