J/A+A/599/A81   OmegaWINGS local clusters of galaxies redshifts (Moretti+, 2017)

OmegaWINGS: spectroscopy in the outskirts of local clusters of galaxies.
    Moretti A., Gullieuszik M., Poggianti B., Paccagnella A., Couch W.J.,
    Vulcani B., Bettoni D., Fritz J., Cava A., Fasaano G., D'Onofrio M.,
    Omizzolo A.
    <Astron. Astrophys. 599, A81 (2017)>
    =2017A&A...599A..81M   (SIMBAD/NED BibCode)

Abstract:
    We present the spectroscopic follow-up of the OmegaWINGS photometric
    survey, aimed at covering the outskirts of a subset of the original
    WINGS cluster sample. We observed 33 of the 46 clusters of galaxies
    observed with VST over 1 square degree. The aim of this spectroscopic
    survey is to enlarge the number of cluster members and study the
    galaxy characteristics and the cluster dynamical properties out to
    large radii, reaching the virial radius and beyond. We used the
    AAOmega spectrograph at AAT to obtain fiber-integrated spectra
    covering the wavelength region between 3800 and 9000Å with a
    spectral resolution of 3.5-6Å full width at half maximum (FWHM). We
    present here the redshift measurements for 17985 galaxies, 7497 of
    which turned out to be cluster members.

Description:
    Redshifts, magnitude/radial completeness, and memberships are given
    for the 17985 galaxies observed as part of the OmegaWINGS survey of
    local clusters of galaxies over 1 square degree. Redshifts have been
    measured using both absorption and emission lines features. The sample
    magnitude completeness is 80% at V=20. Thanks to the observing
    strategy, the radial completeness turned out to be relatively constant
    (90%) within the AAOmega field of view. The success rate in measuring
    redshifts is 95%, at all radii. Cluster members are flagged 1 or 2,
    depending on the cluster structure/secondary structure, and 0 if they
    are not cluster members.

File Summary:

FileName	Lrecl	Records	Explanations
ReadMe	80	.	This file
table4.dat	86	17985	Redshifts for 17985 galaxies

See also:
  J/A+A/581/A41 : OmegaWINGS BV photometry of galaxy clusters (Gullieuszik+ 2015)

Byte-by-byte Description of file: table4.dat

Bytes Format Units   Label   Explanations

```
   1-  7  A7    ---     Cluster   Cluster name
   9- 13  A5    ---     ---       [WINGS]
  14- 32  A19   ---     WINGS     WINGS designation (JHHMMSS.ss+DDMMSS.s)
  34- 44  F11.7 deg     RAdeg     Right ascension (J2000.0)
  46- 56  F11.7 deg     DEdeg     Declination (J2000.0)
  58- 64  F7.5  ---     z         Redshift
  66- 72  F7.5  ---     e_z       ?=- Error on redshift
  74- 78  F5.3  ---     Cm        ?=- Magnitude completeness
  80- 84  F5.3  ---     Cr        ?=- Radial completeness
      86  I1    ---     Memb      [0/2] Membership (1)
```

Note (1): Membership flag as follows:
```
          1 = cluster member (depending on the cluster structure)
          2 = cluster member (depending on the secondary structure)
          0 = not cluster member
```

(End) Alessia Moretti [INAF/Padova, Italy], Patricia Vannier [CDS] 07-Feb-2017

The document above follows the rules of the Standard Description for Astronomical Catalogues; from this documentation it is possible to generate ƒ77 program to load files into arrays or line by line