

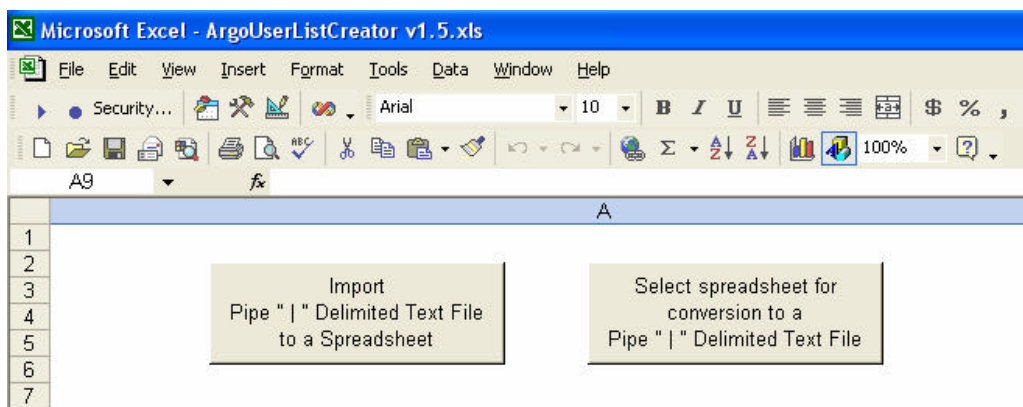
# Argo Navis™ ArgoUserListCreator v1.51 – User Manual

(A Microsoft™ Excel based utility designed and documented by Andrew Hincks – 10 August 2003)

## 1. Importing Argo Navis™ pipe delimited files.

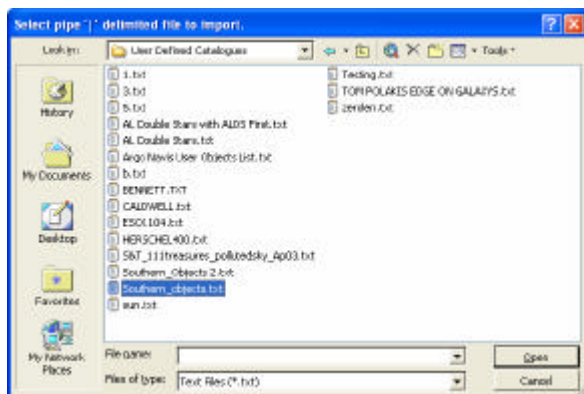
- 1.1 Open the spreadsheet ensuring that MS Excel's macro functionality is enabled.
- 1.2. Click the button labelled “Import pipe “|” delimited text file to a spreadsheet” (*see Figure 1.0*)

Figure 1.0



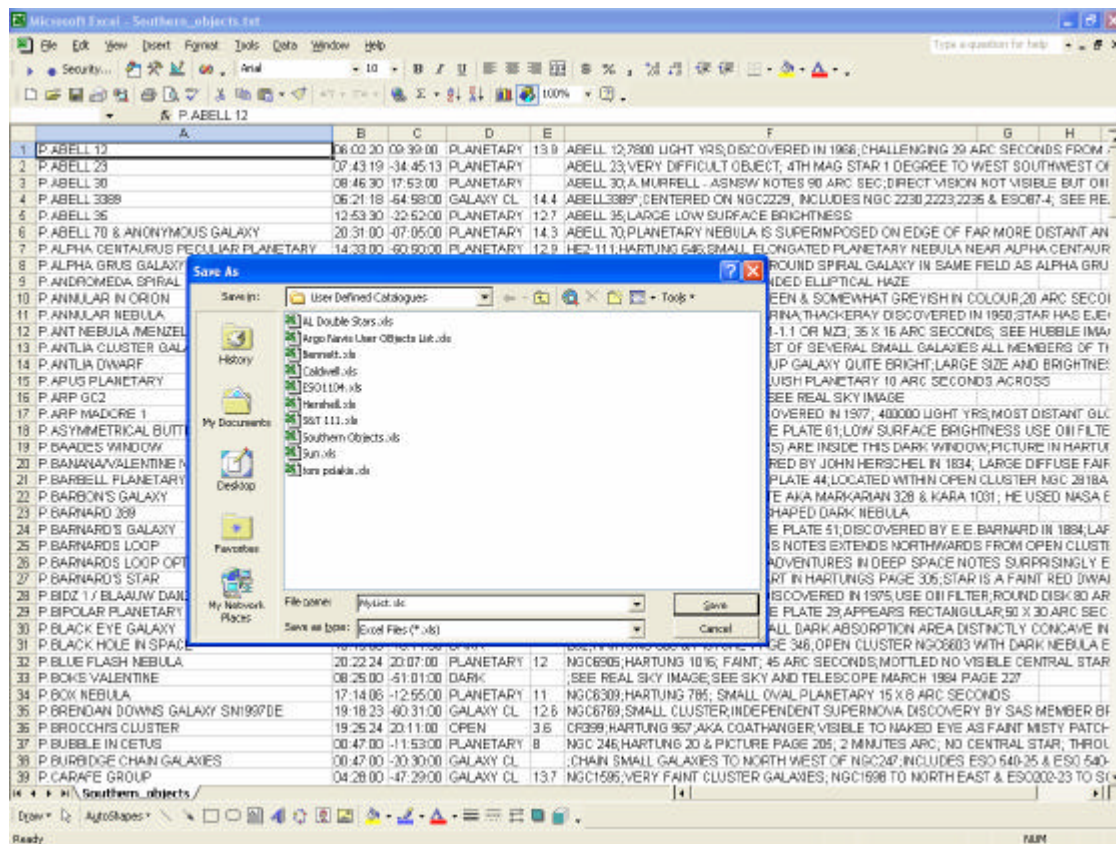
- 1.3. You will be prompted to open a text file (*see figure 1.1*). The text file must be pipe ‘|’ delimited in the format prescribed in Argo Navis’™ documentation.

Figure 1.1



- 1.4. Upon ‘clicking’ the text file open, the text file will immediately be converted into columnar spreadsheet format. Simultaneously, a file “save as” dialogue box (*See figure 1.2*) will open, prompting you to name and save the spreadsheet to a directory of your nomination. If you do not wish to save the spreadsheet, simply click the cancel button on the file ‘save as’ dialogue box. The data contained within each column is defined by wherever a pipe ‘|’ symbol is encountered within the text file that was selected for conversion.

Figure 1.2

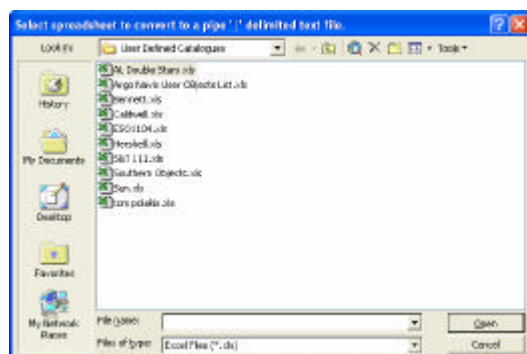


1.5. The spreadsheet will save leaving you with the initial ArgoUserListCreator screen; ready for further file processing if desired.

## 2. Converting spreadsheet based user lists to Argo Navis™ pipe delimited files.

- 2.1. Click the button labelled “Select spreadsheet for conversion to a pipe “|” delimited text file” (see Figure 1.0).
- 2.2. You will be prompted to select a spreadsheet for conversion. (see figure 2.0).

Figure 2.0



2.3. The spreadsheet data must be contiguous, with no headings or blank rows above or within the data. Similarly, there must be no blank columns to the left or within the spreadsheet data. In other words, the data should be positioned in the top-left of the spreadsheet. For an example refer [figure 2.1](#).

Please note that the ArgoUserListCreator can process any Argo Navis™ user file format (eg. User object files, Comet files, Asteroid files etc).

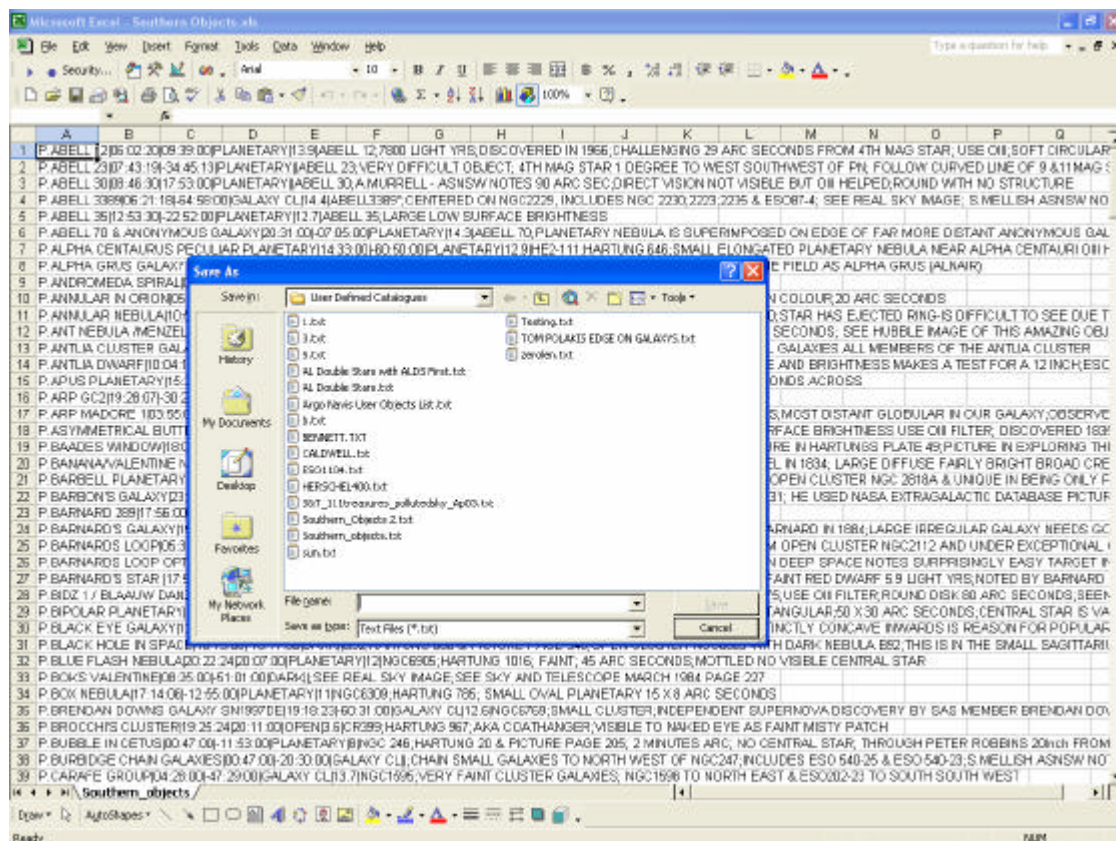
Figure 2.1

	A	B	C	D	E	F	G	H
1	P ABELL 12	06 02.20	09 39.00	PLANETARY	13.9	ABELL 12, 7800 LIGHT YRS, DISCOVERED IN 1966, CHALLENGING 29 ARC SECONDS FROM		
2	P ABELL 23	07 43.19	-34 45.13	PLANETARY		ABELL 23, VERY DIFFICULT OBJECT, 4TH MAG STAR 1 DEGREE TO WEST SOUTHWEST OF		
3	P ABELL 30	08 46.30	17 53.00	PLANETARY		ABELL 30, A MURRELL - ASINSW NOTES 90 ARC SEC, DIRECT VISION NOT VISIBLE BUT ON		
4	P ABELL 3889	06 21.18	-64 58.00	GALAXY CL	14.4	ABELL 3889, CENTERED ON NGC 2229, INCLUDES NGC 2230, 2233, 2235 & ESO 67-4. SEE RE		
5	P ABELL 35	12 53.30	-22 52.00	PLANETARY	12.7	ABELL 35, LARGE LOW SURFACE BRIGHTNESS		
6	P ABELL 70 & ANONYMOUS GALAXY	20 31.00	-07 05.00	PLANETARY	14.3	ABELL 70, PLANETARY NEBULA IS SUPERIMPOSED ON EDGE OF FAR MORE DISTANT AN		
7	P ALPHA CENTAURUS PECULIAR PLANETARY	14 33.00	-60 50.00	PLANETARY	12.9	HE2-111, HARTUNG 646, SMALL ELONGATED PLANETARY NEBULA NEAR ALPHA CENTAU		
8	P ALPHA GRUS GALAXY	22 09.19	-47 10.00	GALAXY	10.4	NGC 2713, HARTUNG 1081, BRIGHT ROUND SPIRAL GALAXY IN SAME FIELD AS ALPHA GRU		
9	P ANDROMEDA SPIRAL	00 42.00	41 16.00	GALAXY	3.4	NGC 224, HARTUNG 18, NG1 EXTENDED ELLIPTICAL HAZE		
10	P ANNULAR IN ORION	05 42.00	09 04.00	PLANETARY	12.3	NGC 2022, HARTUNG 219, EASILY SEEN & SOMEWHAT GREYISH IN COLOUR, 20 ARC SECO		
11	P ANNULAR NEBULA	10 58.00	-60 25.00	NEBULA		HE2-68, HARTUNG 454, AKA AG CARINA THACKERAY DISCOVERED IN 1950, STAR HAS EJE		
12	P ANT NEBULA MENZEL 3	16 17.00	-61 59.00	PLANETARY	9.2	HE2-154, AKA ESO 225-9 OR PK 331-1.1 OR M23, 35 X 16 ARC SECONDS, SEE HUBBLE IMA		
13	P ANTILIA CLUSTER GALAXIES	10 30.30	-35 22.00	GALAXY CL	11.7	NGC 3271, HARTUNG 434, BRIGHTEST OF SEVERAL SMALL GALAXIES ALL MEMBERS OF TH		
14	P ANTILIA DWARF	10 04.10	-27 20.00	GALAXY	14.8	A MURRELL ASINSW LOCAL GROUP GALAXY QUITE BRIGHT, LARGE SIZE AND BRIGHTNE		
15	P APUS PLANETARY	15 37.12	-71 55.00	PLANETARY	11.8	HE2-131, HARTUNG 699, SMALL BLuish PLANETARY 10 ARC SECONDS ACROSS		
16	P ARP GC2	19 28.07	-30 21.00	GLOBULAR	11.5	ARP GC2, SIZE 3.7 ARC MINUTES, SEE REAL SKY IMAGE		
17	P ARP MADORE 1	03 05.00	-49 35.00	GLOBULAR	ANY	AMI, SEE REAL SKY IMAGE DISCOVERED IN 1977, 400000 LIGHT YRS, MOST DISTANT GLC		
18	P ASYMMETRICAL BUTTERFLY	09 27.04	-56 06.18	PLANETARY	11.8	NGC 2899, HARTUNG 388 & PICTURE PLATE 61, LOW SURFACE BRIGHTNESS USE OIII FILT		
19	P BADES WINDOW	18 04.48	-30 03.00	DARK		NGC 6528 & NGC 6522 (GLOBULARS) ARE INSIDE THIS DARK WINDOW, PICTURE IN HARTU		
20	P BANANA VALENTINE NEBULA	10 17.06	-57 55.00	NEBULA	ANY	NGC 3199, HARTUNG 419, DISCOVERED BY JOHN HERSCHEL IN 1834, LARGE DIFFUSE FAIR		
21	P BARBELL PLANETARY	09 16.00	36 37.40	PLANETARY	11.9	NGC 2818, HARTUNG 383 PICTURE PLATE 44, LOCATED WITHIN OPEN CLUSTER NGC 2818A		
22	P BARBONS GALAXY	23 37.39	30 07.47	GALAXY	14.5	UGC 4441, S MELLISH ASINSW NOTE AKA MARKARIAN 328 & KARA 1031, HE USED NASA E		
23	P BARNARD 389	17 56.00	-28 55.00	DARK		EQ99, HARTUNG 843, IRREGULAR SHAPED DARK NEBULA		
24	P BARNARD'S GALAXY	19 44.54	-14 48.00	GALAXY	9	NGC 6802, HARTUNG 979 & PICTURE PLATE 61, DISCOVERED BY E E BARNARD IN 1884, LAC		
25	P BARNARD'S LOOP	06 35.00	00 40.00	NEBULA		SH2-276, HARTUNG 226, HARTUNG'S NOTES EXTENDS NORTHWARDS FROM OPEN CLUST		
26	P BARNARD'S LOOP OPTICAL COUNTERPART	04 02.00	03 48.00	NEBULA		SH2-245, DAVE RIDDLE AT WWW.ADVENTURES IN DEEP SPACE NOTES SURPRISINGLY E		
27	P BARNARD'S STAR	17 57.00	04 42.00	STAR	9.5	GL 589, HARTUNG 846, FINDER CHART IN HARTUNG'S PAGE 305, STAR IS A FAINT RED DWARF		
28	P BIDZ 1 / BLAAUW DANZINGER 1	11 53.00	-50 51.00	PLANETARY	13.0	ESO 217-11, HARTUNG 490, FAINT, DISCOVERED IN 1975, USE OIII FILTER, ROUND DISK 80 AR		
29	P BIPOLAR PLANETARY	07 09.24	-00 48.00	PLANETARY	11.8	NGC 2346, HARTUNG 278 & PICTURE PLATE 29, APPEARS RECTANGULAR, 90 X 30 ARC SEC		
30	P BLACK EYE GALAXY	12 56.42	21 41.00	GALAXY	8.5	NGC 4626, HARTUNG 588, M64, SMALL DARK ABSORPTION AREA DISTINCTLY CONCAVE IN		
31	P BLACK HOLE IN SPACE	18 15.00	-18 11.00	DARK		B82, HARTUNG 886 & PICTURE PAGE 346, OPEN CLUSTER NGC 6603 WITH DARK NEBULA E		
32	P BLUE FLASH NEBULA	20 22.24	20 07.00	PLANETARY	12	NGC 6905, HARTUNG 1016, FAINT, 45 ARC SECONDS, MOTTLED NO VISIBLE CENTRAL STAR		
33	P BOKS VALENTINE	08 05.00	-51 01.00	DARK		SEE REAL SKY IMAGE, SEE SKY AND TELESCOPE MARCH 1984 PAGE 227		
34	P BOX NEBULA	17 14.06	-12 55.00	PLANETARY	11	NGC 6309, HARTUNG 785, SMALL OVAL PLANETARY 15 X 8 ARC SECONDS		
35	P BRENDAN DOWNS GALAXY SN1997DE	19 18.23	-60 31.00	GALAXY CL	12.6	NGC 6769, SMALL CLUSTER, INDEPENDENT SUPERNOVA DISCOVERY BY GAS MEMBER BF		
36	P BROCCOCH'S CLUSTER	19 25.24	20 11.00	OPEN	3.6	CR 399, HARTUNG 967, AKA COATHANGER, VISIBLE TO NAKED EYE AS FAINT MISTY PATCH		
37	P BUBBLE IN CETUS	00 47.00	-11 53.00	PLANETARY	9	NGC 246, HARTUNG 30 & PICTURE PAGE 205, 2 MINUTES ARC, NO CENTRAL STAR, THROU		
38	P BURIDGE CHAIN GALAXIES	00 47.00	-30 30.00	GALAXY CL		CHAIN SMALL GALAXIES TO NORTH WEST OF NGC 247, INCLUDES ESO 540-25 & ESO 540-		
39	P CARAFE GROUP	04 28.00	-47 29.00	GALAXY CL	13.7	NGC 1595, VERY FAINT CLUSTER GALAXIES, NGC 1598 TO NORTH EAST & ESO 202-23 TO S		

2.4 Upon selecting a spreadsheet for conversion per [figure 2.0](#), the spreadsheet will immediately be converted to pipe “|” delimited format and a dialogue box will prompt you to name and save the delimited data to a directory of your choosing. (Refer [figure 2.2](#)).



Figure 2.2



2.5. The text file will save leaving you with the initial ArgoUserListCreator screen ready and allowing for further file processing if desired.