

# **SAS V8 **SUNKEN** Treasures**

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## **GOTCHAs**

**[SAS changes how data is Stored in Datasets](#)**

| SAS Version 6.12          |                      |      |     |     |        |                | SAS Version 8.2             |                   |      |     |     |        |                |
|---------------------------|----------------------|------|-----|-----|--------|----------------|-----------------------------|-------------------|------|-----|-----|--------|----------------|
| Data Set Page Size:       | 32768                |      |     |     |        |                | Data Set Page Size:         | 32768             |      |     |     |        |                |
| Number of Data Set Pages: | 15                   |      |     |     |        |                | Number of Data Set Pages:   | 15                |      |     |     |        |                |
| File Format:              | 607                  |      |     |     |        |                | First Data Page:            | 1                 |      |     |     |        |                |
| First Data Page:          | 1                    |      |     |     |        |                | Max Obs per Page:           | 43                |      |     |     |        |                |
| Max Obs per Page:         | 43                   |      |     |     |        |                | Obs in First Data Page:     | 39                |      |     |     |        |                |
| Obs in First Data Page:   | 39                   |      |     |     |        |                | Number of Data Set Repairs: | 0                 |      |     |     |        |                |
| Filename:                 | SASALARY.SASEB\$DATA |      |     |     |        |                | Filename:                   | SASALARY.SAS7BDAT |      |     |     |        |                |
| Host Format:              | AXP                  |      |     |     |        |                | Release Created:            | 8.0202M0          |      |     |     |        |                |
| Disk Blocks Allocated:    | 1025                 |      |     |     |        |                | Host Created:               | OpenVMS           |      |     |     |        |                |
|                           |                      |      |     |     |        |                | File Size (blocks):         | 961               |      |     |     |        |                |
| #                         | Variable             | Type | Len | Pos | Format | Label          | #                           | Variable          | Type | Len | Pos | Format | Label          |
| 1                         | MDATE                | Char | 50  | 0   |        | Message Date   | 1                           | MDATE             | Char | 50  | 56  |        | Message Date   |
| 2                         | EMPLTYPE             | Char | 50  | 50  |        | Employee Type  | 2                           | EMPLTYPE          | Char | 50  | 106 |        | Employee Type  |
| 3                         | GENDER               | Char | 50  | 100 |        | Gender         | 3                           | GENDER            | Char | 50  | 156 |        | Gender         |
| 4                         | ZIPCODE              | Char | 50  | 150 |        | Zipcode        | 4                           | ZIPCODE           | Char | 50  | 206 |        | Zipcode        |
| 5                         | INDUSTRY             | Char | 50  | 200 |        | Industry       | 5                           | INDUSTRY          | Char | 50  | 256 |        | Industry       |
| 6                         | OTHERIND             | Char | 50  | 250 |        | Other Industry | 6                           | OTHERIND          | Char | 50  | 306 |        | Other Industry |
| 7                         | SALARY               | Num  | 8   | 300 |        | Annual Salary  | 7                           | SALARY            | Num  | 8   | 0   |        | Annual Salary  |
| 8                         | COMPANY              | Char | 50  | 308 |        | Company        | 8                           | COMPANY           | Char | 50  | 356 |        | Company        |
| 9                         | JOBTITLE             | Char | 50  | 358 |        | Job Title      | 9                           | JOBTITLE          | Char | 50  | 406 |        | Job Title      |
| 10                        | HRLYRATE             | Num  | 8   | 408 |        | Hourly Rate    | 10                          | HRLYRATE          | Num  | 8   | 8   |        | Hourly Rate    |
| 11                        | CLIENT               | Char | 50  | 416 |        | Client         | 11                          | CLIENT            | Char | 50  | 456 |        | Client         |
| 12                        | BILLRATE             | Num  | 8   | 466 |        | Bill Rate      | 12                          | BILLRATE          | Num  | 8   | 16  |        | Bill Rate      |
| 13                        | YEARSEXP             | Num  | 8   | 474 |        | Yrs of SAS Exp | 13                          | YEARSEXP          | Num  | 8   | 24  |        | Yrs of SAS Exp |
| 14                        | EDUCATE              | Char | 50  | 482 |        | Level of Ed    | 14                          | EDUCATE           | Char | 50  | 506 |        | Level of Ed    |
| 15                        | BIRTHYR              | Num  | 8   | 532 |        | Year of Birth  | 15                          | BIRTHYR           | Num  | 8   | 32  |        | Year of Birth  |
| 16                        | FILENUM              | Char | 200 | 540 |        | Survey Name    | 16                          | FILENUM           | Char | 200 | 556 |        | Survey Name    |
| 17                        | DATE                 | Num  | 8   | 740 | DATE9. |                | 17                          | DATE              | Num  | 8   | 40  | DATE9. |                |
| 18                        | TIME                 | Num  | 8   | 748 | TIME5. |                | 18                          | TIME              | Num  | 8   | 48  | TIME5. |                |

SAS Version 8.2 now stores Data as follows:

- Numeric – Smallest to Largest in length
- Character – Smallest to Largest in length

So you need to look for uses of NPOS from Proc Contents and possibly replace with VARNUM  
Or, if you are using/downloaded EMPTYYN.sas from SCONSIG.com – need to update it.