

```

; =====
; geoGopherDat: data definitions
; =====
.if          Pass1
               .noeqin
               .include    geoGopherSym
               .include    geoGopher.inc
               .eqin

.endif

; =====
fileName:     .block      17           ;generic filename buffer
permName:     .byte       "geoGopher V2.1",0 ;permanent name string
title:        .byte       " geoGopher 0.0 ",0
server:       .block      48           ;part of title string
hostname:     .block      MAX_HOST+1   ;copied from input dialog
port:         .block      6           ;copied from input dialog
socket:       .byte       0
saveRstr:     .byte       0           ;flag for manual screen buffering
swapTS:       .block      NUM_MODS*2   ;T&S pointers for VLIR mods
tempMod:      .byte       0           ;currently requested module
curMod:       .byte       0           ;currently loaded module (except font, which is auto-loaded)
fontLoad:     .block      2           ;initialized by network driver
menuSave:     .block      432          ;screen under menus
cardRows:     .byte       0
cards:        .byte       0
modsErr:      .byte       "initializing modules!",0
modErr:       .byte       "loading module!",0
dfDrvErr:     .byte       "resetting disk drive!",0
noUltErr:     .byte       "No Ultimate device found!",0
openMsg:      .byte       "connecting to gopher server...",0
readMsg:      .byte       "reading from server...",0
closeMsg:     .byte       "closing connection...",0
noSrch:       .byte       "You have not entered any search text.",0
hdrMsg:       .byte       "reading GEOS header...",0
vNdxMsg:      .byte       "reading VLIR index...",0
vRecMsg:      .byte       "reading VLIR record "
vRecNo:       .byte       0,0,0,0
fileMsg:      .byte       "reading file...",0
textMsg:      .byte       "reading text file...",0
fmtMsg:       .byte       "formatting text...",0
dLOK:         .byte       "File downloaded successfully.",0
readErr:      .byte       "Error reading from server.",0
noName:       .byte       "You have not entered a file name.",0
noData:       .byte       "No data returned from server.",0
errItem:      .byte       "This is an error message.",0
noType:       .byte       "Unknown gopher type.",0
badItems:     .byte       "Error reading gopher items.",0
badFile:      .byte       "Error downloading file.",0
longHost:     .byte       "Host name too long!",0
longSel:      .byte       "Selector too long!",0
badCode:      .byte       "Error "
errCode:      .byte       0,0,0,0
               .block      64           ;error message
icnAddr:      .word       icnText,icnFldr,icnErr,icnSrch,icnGeos,icnInfo,icnUnkn ;see NUM_TYPE
itmTypes:     .byte       '0','1','3','7','9','i',255 ;see NUM_TYPE
itemType:     .byte       0           ;selected item's type
popping:      .byte       0           ;are we popping from the "back stack"?
icnPtrs:      .word       itmIcon0,itmIcon1,itmIcon2,itmIcon3,itmIcon4,itmIcon5,itmIcon6
icnYPsns:     .block      7           ;gopher item icons (populate in code)
scrITop:      .block      1
scrIBot:      .block      1
scrLeft:      .block      2
thmbTop:      .block      1
thmbLeft:     .block      2
thmbMax:      .block      1
maxItems:     .block      1
crLfOnly:     .byte       $0d,$0a,0

```

```

dataBuf:      .block    BUFSIZE
statBuf:      .block    BUFSIZE
count:        .byte     0
itemsBuf:     .block    2          ;address of gopher items buffer
itemsEnd:     .block    2
textEnd:      .block    2
textType:     .block    1
lineNdx:      .block    1          ;text line index
linePtrs:     .block    MAX_LINE*2 ;table of line pointers
               .byte     0,0       ;end of line pointers marker
pageNdx:      .block    1          ;text page index
pagePtrs:     .block    MAX_PAGE*2
itemSave:     .block    13        ;save/restore item state
vllrBuf:      .block    BUFSIZE
dirBuf:       .block    30
saveName:     .block    17
diskName:     .block    17
drvSave:      .byte     0
track:        .block    1
sector:       .block    1
sectors:      .block    2
bytes:        .block    1
vllrPtr:      .block    1
chainPtr:     .block    1
blkPtr:       .byte     0
blkEof:       .byte     0
expected:     .byte     0
received:     .byte     0
iType:        .block    1          ;boolean
eof:          .block    1          ;boolean
tooBig:       .block    1          ;boolean
srchSel:      .block    80
srchText:     .block    21
backStak:     .block    BACKSIZE * MAX_BACK
backPtrs:     .word     backStak    ;FIXME use constant
               .word     backStak+BACKSIZE
               .word     backStak+(BACKSIZE*2)
backNdx:      .byte     0
topBack:      .byte     0          ;to restore topltem
topltem:      .byte     0
curltem:      .byte     0
numltems:     .byte     0
thumbSav:     .byte     #$ff
thumbHi:      .byte     0
memDiv:       .byte     $63        ;divides gopher items/text file
cvtSig:       .byte     "formatted GEOS file",0
ascNum:       .byte     0,0,0,0
; =====
; VLIR module jump table entries
; =====
modLoad:      .byte     0          ;placeholder to get address
               ;VLIR modules load here
;
j_init:       .block    3          ;network: set fontLoad address
j_setup:      .block    3          ;setup: create/open connection
;
j_probe:      .block    3          ;network: verify device present
j_edtcon:     .block    3          ;setup: edit connection
;
j_conn:       .block    3          ;network: connect to server
;
j_read:       .block    3          ;network: read from server
;
j_write:      .block    3          ;network: write to server
;
j_close:      .block    3          ;network: close connection
; =====

```

