

# Documentation for group\_parse 1/25/05

## 1.0 General Information

### 1.1 Application Description

This program populates the cgroup, fgroup, and fgroupseg database tables from NWSRFS punches. If the tables already have data in them, the user will have the choice of either unloading and deleting all of the rows or simply updating the tables. The main program is written in esql/C and the unload/delete function is written in Tcl.

### 1.2 Design Considerations

The program parses the needed information from NWSRFS fcinit punches of carryover groups and forecast groups. Attachment A contains samples of these punch files. See NWSRFS User Documentation for more information.

The cgroup\_abbr column in the cgroup table is only populated if the cgroupid contains an underscore ('\_'). If there is an underscore, the character after the underscore is used as the abbreviation (i.e. cgroupid=CBRFC\_F; cgroup\_abbr=F). It is ok not to have this.

### 1.3 Application Assumptions

## 2.0 Configuration Information

This program makes use of the following apps\_default token:

adb_name	archive database name
adb_dir	archive base directory

A log file is written to  $\$(adb\_dir)/logs/nwsrfs/group\_parse.log$

The unload files for the database tables are created in the directory  $\$(adb\_dir)/data/nwsrfs$ . Names correspond to each of the database tables and are date stamped.

The input files are expected to be in the directory  $\$(adb\_dir)/data/nwsrfs$ .

## 3.0 User How-To

The first step is to create the punch files of carryover groups and forecast groups that will be used as input to the program (see NWSRFS User Documentation for help with this). The punch of the carryover groups needs to be named **cg.pun**

and placed in `$(adb_dir)/data/nwsrfs`. This file should contain all of the defined carryover groups. The punch of the forecast groups needs to be divided into files by carryover group with the files named ***cgid.pun***. For example, the sample forecast group punch file in Attachment A would be named `cbrfc_f.pun` and placed in `$(adb_dir)/data/nwsrfs`.

The program can be run on the command line by simply typing `group_parse`. The first thing the program does is to check whether the `cgroup`, `fgroup`, and `fgroupseg` tables are empty. If they are not empty it will ask the user to choose one of the following:

1. Unload and delete all rows before continuing
2. Continue and just add to/update current rows
3. Quit

If the user chooses option 1 the tcl program `group_del` will be run and unload files will be created as described in the Configuration Information above and the tables will be emptied.

## **4.0 Troubleshooting Information**

A log file is created in `$(adb_dir)/logs/nwsrfs`.

## **5.0 Installation Instructions**

## **6.0 Maintenance Information**

Originating Programmer/Office: Alcorn, Brenda  
Colorado Basin River Forecast Center  
Salt Lake City, UT

Maintenance Programmer/Office: Alcorn, Brenda  
Colorado Basin River Forecast Center  
Salt Lake City, UT

## **7.0 References**

Archive Database data dictionary  
NWSRFS User Documentation



TITLE 'HRLY SAN JUAN SEGS '  
SEGS PSPC2H\_F SJCC2L\_F PIDC2H\_F VCRC2H\_F LPVC20\_F LOSC2L\_F NVRN5L\_F &  
ARCN50\_F DRGC2H\_F LEMC2H\_F FRVC20\_F CDRC2L\_F ARFN5L\_F FRMN5L\_F &  
LPHC2H\_F LPSC2L\_F LPFN5L\_F SHRN5L\_F MRTC2H\_F SJFC2L\_F MCEC2H\_F &  
CCMA3H\_F BFFU1L\_F

ID UC\_F

TITLE 'HRLY UPPER COL SEGS '  
SEGS WCRC2H\_F WCKC20\_F GBYC2H\_F CBGC20\_F FRWC2H\_F CAWC2L\_F WFLC2H\_F &  
WFDC2L\_F WFRC20\_F DIRC2H\_F BLRC20\_F GMRC2L\_F BGMC20\_F WORC2H\_F &  
MBWC20\_F KRMC2L\_F PSBC2H\_F RCAC2H\_F RERC2H\_F HMAC2H\_F HMA20\_F &  
HMSC2L\_F CSSC2H\_F GRVC2H\_F EALC2L\_F GPSC2L\_F EGLC2L\_F APNC2H\_F &  
RCYC2H\_F FPTC2H\_F RURC2L\_F RUDC20\_F GWSC2L\_F GCOC2L\_F WETC2H\_F &  
RRGC2H\_F RRGC20\_F CAMC2L\_F VEGC2H\_F VEGC20\_F PCCC2L\_F CGYC2L\_F &  
TRAC2H\_F TPIC2L\_F TRBC20\_F ALTC2L\_F ALEC2H\_F GUSC2L\_F CRCC2H\_F &  
TOMC2L\_F LFGC2H\_F BMDC2L\_F BMDC20\_F MPSC2L\_F MPSC20\_F SJAC2H\_F &  
CMRC20\_F CLSC2L\_F CLSC20\_F GEPC2R\_F PRSC2H\_F MDCC20\_F SOMC2L\_F &  
SCCC2H\_F DELC2L\_F UCRC2H\_F DCKC2H\_F RBSC2L\_F UNRC20\_F CLOC2L\_F &  
DLAC2L\_F GJNC2L\_F DRRC2H\_F DOLC2L\_F LCCC2H\_F MPHC2L\_F DRMC20\_F &  
DBDC2L\_F SMPC2H\_F SNMC2L\_F SMUC2L\_F DOLU1L\_F CCUC2R\_F CLRU1R\_F &  
CTRU1L\_F GLDA3L\_F

ID GB\_F

TITLE 'HRLY GREAT BASIN SEG'  
SEGS WOUU1H\_F PVHU1L\_F JRRU1R\_F PRJU10\_F DCRU1L\_F PBDU10\_F PPPU1L\_F &  
CASU1H\_F SPLU1R\_F AFPU1H\_F UTLU1L\_F UTLU10\_F SSWU1L\_F LCTU1H\_F &  
LCWU1R\_F BCTU1H\_F BIGU1R\_F MILU1H\_F JRSU1L\_F SALU1H\_F SALU10\_F &  
PRLU1R\_F EMU1H\_F RBCU1H\_F CCSU1H\_F JORU1L\_F OAWU1H\_F RKUU1L\_F &  
WBWU10\_F CIVU1H\_F ECBU1L\_F ECWU10\_F CRAU1H\_F CRDU10\_F ECRU1H\_F &  
ECCU10\_F GATU1L\_F CSYU1H\_F CSYU10\_F PINU1L\_F OPDU10\_F WWPU1L\_F &  
BERU1H\_F EVAW4L\_F BEAW4L\_F BRWU10\_F PIXW4L\_F BORW4H\_F BRBW4L\_F &  
THOI1H\_F STDI1L\_F BLKI1H\_F BLZI10\_F BRAI1L\_F BESI1L\_F SPRI1L\_F &  
BEAI10\_F ONRI1L\_F BBOI10\_F BIUI1L\_F LGNU1H\_F HRMU1H\_F PRZU1H\_F &  
HLZU10\_F CRCU1L\_F BECU10\_F BCNU1L\_F GSLU1L\_F HATU1H\_H SEKU1L\_H &  
OCEU1H\_H OCEU10\_H SRKU1L\_H PIUU1L\_H MYSU10\_H CCDU1H\_H SGDU1L\_H &  
SRYU1L\_H COAU1H\_H BEVU1H\_H

ID LC\_F

TITLE 'LOWER COL: 1501-1503'  
SEGS NFVU1H\_H EFFU1H\_H ESTU1L\_H VIRU1L\_H HURU1L\_H STCU1H\_H SCGU1L\_H &  
GUUU10\_H SRSU1L\_H FPWU1H\_H VRBU1L\_H VLTA3L\_H ZUIN5H\_H CRWA3H\_H &  
LCLA3H\_H LYMA30\_H LCZA3L\_H ZIOA30\_H LBZA3L\_H SLLA3H\_H SHLA30\_H &  
SSFA3L\_H SSFA30\_H SCSA3L\_H WDRA3L\_H PUCA3H\_H LCJA3L\_H LCOA3H\_H &  
CHWA3H\_H CCWA3H\_H LCWA3L\_H JDWA3H\_H POLA3H\_H ORWA3H\_H DINA3H\_H &  
MOEA3H\_H CDBA3H\_H CDBA30\_H LCCA3L\_H CLFA30\_H PLFA3H\_H CGCA3L\_H &  
KCKU1H\_H SUPA3H\_H CDCA3L\_H GOWN2H\_H LVCN2H\_H SAHN2L\_H SCCN2H\_H &  
FWDN2H\_H FWNN2L\_H LWCN2L\_H DCKN2H\_H LVPN2L\_H KIDN2L\_H PITN2H\_H &  
LKSA3R\_H BCBA3H\_H WKPA3L\_H SMBA3H\_H ALMA3L\_H BWAA30\_H BWPA3R\_F

ID SV\_F

TITLE 'SALT & VERDE: 1506 '  
SEGS BPPA3H\_H BKFA3L\_H EWFA3H\_H WHTA3L\_H CBEA3H\_H SOWA3H\_H CRZA3L\_H &  
SLCA3L\_H OVGA3H\_H CBCA3L\_H CBQA3L\_H CHRA3H\_H PNLA3H\_H SLRA3L\_H &  
TNRA3H\_H RSVA3L\_H RSVA30\_H AJUA3L\_H SMDA30\_H VDPA3H\_H VDCA3L\_H &  
OAKA3H\_H OACA3L\_H DBVA3H\_H WBVA3H\_H WCLA3H\_H VCVA3L\_H EVDA3H\_H &  
VDTA3L\_H HORA3L\_H HORA30\_H BRTA3L\_H VDBA30\_H SYCA3H\_F VDSA3L\_F &  
GRDA3R\_F CAVA3H\_F SLPA3L\_F SFFA3R\_F

ID GI\_F

TITLE 'GILA: 1504,1505,1507'

SEGS GDCN5H\_H GILN5L\_H MCCN5H\_H RGRN5L\_H GVRN5L\_H DUUA3L\_H GCFA3L\_H &  
RSFN5H\_H GSFN5L\_H BLCA3H\_H SFCA3L\_H ECMA3H\_H BNMA3H\_H GLHA3L\_H &  
SSSA3H\_H GLCA3L\_H SNCA3H\_H CLDA3L\_H GCDA30\_F SAPA3H\_H SPTA3L\_H &  
SPBA3L\_H SPRA3L\_H ARVA3H\_H SPAA3L\_H GLKA3L\_H GRMA3L\_F SBCA3H\_H &  
TVCA3L\_H RINA3H\_H PNTA3H\_H PWBA3L\_H RILA3L\_H RICA3L\_H SCLA3H\_H &  
SCNA3L\_H STBA3L\_H SCCA3L\_H TSCA3L\_H CDOA3H\_H CSCA3L\_H AVCA3H\_H &  
ATPA3L\_H BWTA3L\_H SLVA3L\_F AFMA3H\_H AFRA3L\_H LKPA3L\_H LKPA30\_H &  
AFEA3L\_F NWRA3H\_F SCPA3H\_F NWGA3L\_F GRGA3L\_F HAMA3H\_F HSTA3L\_F &  
CSPA3H\_F GGDA3L\_F PRKA3R\_F GPRA30\_F GDTA3R\_F GIDA3R\_F

END