VI.5.3C-MAP-ERROR  PROGRAM FCST FUNCTION MAP WARNING AND ERROR MESSAGES

The following error and warning messages are printed by Function MAP:

1. **FATAL ERROR** CANNOT INITIALIZE PPDB R/W ROUTINES.
   Action: Contact your Support Team. There is a problem with the Preprocessor Data Base control records.

2. **FATAL ERROR** CANNOT INITIALIZE PPPDB R/W ROUTINES.
   Action: Contact your Support Team. There is a problem with the Preprocessor Parametric Data Base control records.

3. **FATAL ERROR** TECHNIQUE STARTRUN AND/OR LSTCMPDY IS NOT PROPERLY DEFINED.
   Action: Recheck form of input for these Techniques.

4. **FATAL ERROR** THE PARAMETRIC DATA BASE FILES DO NOT CONTAIN THE INFORMATION NEEDED TO RUN THE MAP FUNCTION. THE MAP FUNCTION FILE STATUS FLAG IS SET TO INCOMPLETE.
   Action: This error occurs when the PPINIT program has not defined all the values needed by the MAP function. One cause is that the ORDER command in PPINIT has not been run. Another cause is that a PPINIT job dealing with records used by MAP aborted before successful completion, thus leaving the files in an incomplete status.

5. **FATAL ERROR** MAP CANNOT CONTINUE DUE TO ERROR FROM PPDB SUBROUTINE XXXXXX STATUS CODE = XX TYPE = XXXX
   Action: Contact your Support Team. There is a problem with the PPDB files or the R/W subroutine.

6. **FATAL ERROR** MAP CANNOT CONTINUE DUE TO ERROR FROM SUBROUTINE RPPCHR--STATUS CODE = XX.
   Action: Contact your Support Team there is a problem reading station characteristics from the PPPDB files.

7. **ERROR** STATE BOUNDARY DEFINITION DOES NOT AGREE WITH MDR SUBSET DEFINITION--MDR DISPLAY TURNED OFF.
   WESTERN COLUMN  MDR = XX STBN = XX
   SOUTHERN ROW    MDR = XX STBN = XX
   TOTAL BOXES     MDR = XX STBN = XX
   Action: Under the DEFINE USER command in the PPINIT program make sure that the MDR subset definition under STBN is the same as under UGNL.

8. **FATAL ERROR** MORE SPACE THAN IS PROVIDED IS NEEDED FOR THE MAIN MAP DATA ARRAY (DIM = XXXXX FULL WORDS). SPACE WAS
EXCEEDED WHILE ALLOCATING SPACE FOR XXXX. XXXX MORE WORDS NEEDED.

Action: The amount of space needed can be reduced by turning off all MDR options. This is only a temporary solution. The real solution to increase the size of the array.

9. **FATAL ERROR** STARTING TIME XX/XX/XXXX-XXTZC IS AFTER THE ENDING TIME XX/XX/XXXX-XXTZC.

Action: Make sure the date input for the STARTRUN Technique is prior to the date for the LSTCMPDY Technique.

10. **WARNING** THE STARTING TIME FOR MAP DOES NOT COINCIDE WITH THE START OF A HYDROLOGIC DAY. THE STARTING TIME INPUT XX/XX/XXXX-XXTZC WILL BE MOVED TO THE BEGINNING OF THE DAY

Action: The date input to Technique STARTRUN should coincide with the start of a hydrologic day.

11. **WARNING** THE ENDING HOUR FOR MAP IS NOT A MULTIPLE OF 6 WITHIN THE HYDROLOGIC DAY. THE TIME INPUT XX/XX/XXXX-XXTZC WILL BE MOVED TO THE NEXT 6-HOUR INCREMENT.

Action: The date input to the LSTCMPDY Technique should coincide with the end of a 6-hour period within a hydrologic day.

12. **FATAL ERROR** THERE ARE NO OBSERVED PRECIPITATION DATA IN THE PPDB FOR THE REQUESTED MAP RUN PERIOD. OBSERVED DATA EXIST FOR HYDROLOGIC DAYS ENDING ON XX/XX/XXXX-XXTZC THRU XX/XX/XXXX-XXTZC.

Action: Make sure the dates for Techniques STARTRUN and LSTCMPDY coincide with the observed data period on the PPDB.

13. **WARNING** MAP IS REQUESTED TO START XX DAYS BEFORE DATA ARE AVAILABLE ON THE PPDB. THE START DATE IS ADJUSTED TO THE BEGINNING OF THE DATA PERIOD.

**WARNING** MAP IS REQUESTED TO END XX DAYS AFTER DATA ARE AVAILABLE ON THE PPDB. THE END DATE IS ADJUSTED TO THE END OF THE DATA PERIOD.

Action: Adjust the date for the STARTRUN or LSTCMPDY Technique accordingly.

14. **WARNING** THE LENGTH OF THE MAP RUN EXCEEDS 10 DAYS. THE RUN IS SHORTENED BY XX DAYS.

Action: The length of a MAP run in days can't exceed the number of temporary files available. Currently there are 10 temporary files available in the FS5FILES JCL procedure. Thus, keep all MAP runs to a maximum length of 10 days.

15. **WARNING** MDR RELATED OPTIONS CANNOT BE USED SINCE MDR DATA
ARE NOT DEFINED ON THE PPDB. ALL MDR OPTIONS ARE TURNED OFF.

Action: Contact your Support Team to get space for MDR assigned on the PPDB, properly define the MDR subset to be used (see UGNL section under VI.5.3B-DEFINE-USER), and define state boundaries if MDR is to be displayed (see STBN section under VI.5.3B-DEFINE-USER).

16. **FATAL ERROR** THE TYPE OF RUN FOR THE MAP FUNCTION IS NOT SPECIFIED. EITHER AREA, FGROUP, OR CGROUP MUST BE SPECIFIED WITH VALID IDENTIFIERS.

Action: Technique AREA, FGROUP or CGROUP must be specified for a MAP run.

17. **FATAL ERROR** NO VALID IDENTIFIERS WERE INPUT FOR THE AREA TECHNIQUE.

Action: Make sure all MAP areas specified have been successfully defined with PPINIT (see MAP section under VI.5.3B-DEFINE-AREA).

18. **ERROR** NOT ENOUGH SPACE IN WORK ARRAY. NEED XXX SPACES BUT ONLY XXX EXIST.

Action: MDR data are not plotted due to error. See Error 8 for actions to take.

19. **WARNING** INSUFFICIENT WORK SPACE TO WRITE ESTIMATED 24-HOUR DATA TO THE PPDB. TECHNIQUE WTEST24 TURNED OFF.

Action: Estimated daily values not written to the PPDB. Contact your Support Team to have the size of the main MAP data array increased.

20. **WARNING** THE FOLLOWING DAILY PRECIP TOTALS EXCEED XX.XX INCHES -- THE SPECIFIED MAX FOR THE RUN. THESE VALUES WILL BE SET TO MISSING.

Action: Make sure that these are invalid reports. If not then adjust the specified upper limit.