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

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

Errors:

   1.   **ERROR** A COMMAND CARD WAS ENCOUNTERED WITHOUT ASSOCIATED
        IDENTIFIER CARDS. CARD SKIPPED.

        Action: Add appropriate associated identifier cards or remove
        the command card.

   2.   **ERROR** DATA ENTERED FOR THE 24 HOUR PERIOD ENDING
        mm/dd/yyyy-hh tzc IS NOT ENTIRELY WITHIN THE FUTURE PERIOD.
        CARD SKIPPED.

        Action: Input only dates after the last observed day and
        before the last future data day in the run period.

   3.   **ERROR** DATA ENTERED FOR THE 6 HOUR PERIOD ENDING mm/dd/yyyy-
        hh tzc IS NOT WITHIN THE FUTURE PERIOD. CARD SKIPPED.

        Action: Input only periods after the last observed day and
        before the last future data day in the run period.

   4.   **ERROR** nnnnnn IS NOT A VALID COMPUTATIONAL ORDER NUMBER.
        THE IDENTIFIER. CARD SKIPPED.

        Action: Enter only computational order numbers between 1 and
        the last computational order number assigned. A numbered
        computational order list can be obtained using the PPINIT DUMP
        ORDER command.

   5.   **ERROR** THE COMPUTATIONAL ORDER NUMBER nnnnnn IS GREATER THAN
        COMPUTATIONAL ORDER NUMBER nnnnnn. CARD SKIPPED.

        Action: Check that the first computational order number in a
        range is smaller than the second.

   6.   **ERROR** THE AREA xxxxxxxx IS NOT A VALID FMAP IDENTIFIER.
        CARD SKIPPED.

        Action: Enter only FMAP area identifiers previously defined as
        valid identifiers. A list of defined FMAP identifiers can be
        obtained using the PPINIT DUMP ORDER command.

   7.   **ERROR** THE FMAP AREA xxxxxxxx OCCURS BEFORE THE FMAP AREA
        xxxxxxxx IN THE COMPUTATIONAL ORDER SEQUENCE. CARD SKIPPED.

        Action: Check that the first FMAP area identifier in a range
        occurs before the second on the computational order list. A
        computational order list can be obtained using the PPINIT DUMP
        ORDER command.

8. **ERROR** MORE THAN nnnn MOD CARDS WERE FOUND. ONLY THE FIRST
    nnnn CARDS WILL BE PROCESSED.

    Action: Change the number of MOD cards input.

9. **ERROR** AN ASTERISK CANNOT BE USED AS A DATE FOR FUTURE MAP
    MODS.

    Action: Dates must be entered explicitly. The proper date
    format is described in Section VI.5.2B.

10. **ERROR** INVALID DATE FIELD FOUND. CARD SKIPPED.

    Action: Input a future date for all MODS using the proper date
    format described in Section VI.5.2B.

11. **ERROR** THE DATE IN FIELD nn DOES NOT END AT THE LAST HOUR OF
    THE HYDROLOGIC DAY. CARD SKIPPED.

    Action: All dates input for 24 hour data should end at the
    last hour of the day.

12. **ERROR** AN IDENTIFIER CARD WAS ENCOUNTERED BEFORE A VALID
    FMAP6 CARD WAS PROCESSED. CARD SKIPPED.

    Action: Correct any invalid .FMAP6 cards or look for an
    identifier card that is not proceeded by a .FMAP6 MOD card.

13. **ERROR** AN IDENTIFIER CARD WAS ENCOUNTERED BEFORE A VALID
    FMAP24 CARD WAS PROCESSED. CARD SKIPPED.

    Action: Correct any invalid .FMAP24 cards or look for an
    identifier card that is not preceded by an .FMAP24 MOD card.

14. **ERROR** THE IDENTIFIER IN FIELD nn HAS MORE THAN nn
    CHARACTERS. CARD SKIPPED.

    Action: Change the identifier to be less or equal the maximum
    number of characters.

Warnings:

1. **WARNING** THE RUN PERIOD SPECIFIED IS LONGER THAN THE NUMBER
    OF DAYS AVAILABLE IN THE PROCESSED DATA BASE FOR FUTURE MAP.
    SPACE IS AVAILABLE FOR nnn DAYS. REMAINING DAYS TRUNCATED.

    Action: Input no more than the number of days of space
    available in the processed data base for future MAP time
    series.

2. **WARNING** NO FIELDS ENCOUNTERED ON A MOD CARD. CARD SKIPPED.

    Action: Check input for a blank card.

3. **WARNING** AN UNEXPECTED DATA FIELD WAS ENCOUNTERED ON A

FMAP24 MOD CARD WHERE A TIME DISTRIBUTION WAS EXPECTED. AN
EQUAL DISTRIBUTION WAS ASSUMED.

Action: See Section VI.5.3C-FMAP-MOD-1 for the proper format
for inputting FMAP24 MODS.

4. **WARNING** MORE THAN 4 TIME DISTRIBUTION VALUES WERE
ENCOUNTERED. ONLY THE 4 FOUR WILL BE USED.

Action: Only 4 time distribution values should be input for 24
hour data.

5. **WARNING** THE FIELD nn CONTAINS AN INVALID CHARACTER FOR A
TIME DISTRIBUTION FIELD. AN EQUAL DISTRIBUTION IS ASSUMED.

Action: See Section VI.5.3C-FMAP-MOD for the proper form for
FMAP24 MODs.

6. **WARNING** THE PRECIP IN FIELD nn CONTAINS AN INVALID
CHARACTER. THE PRECIP AMOUNT HAS BEEN SET TO ZERO.

Action: Check the input precipitation values for non-numeric
characters.

7. **WARNING** A DATA FIELD WAS ENCOUNTERED AFTER A FUTURE PRECIP
AMOUNT THAT DID NOT CONTAIN A SLASH. THE TIME DISTRIBUTION HAS
BEEN SET TO EQUAL.

Action: Be sure that a slash followed by a blank precedes all
time distributions.

8. **WARNING** INPUT DATE IN FIELD nn DOES NOT END ON A SIX HOUR
PERIOD. THE DATE HAS BEEN RESET TO THE END OF THE PRECEDING SIX
HOUR PERIOD.

Action: All dates input for 6 hour data should end at the end
of a six hour period.

9. **WARNING** INPUT DATE IN FIELD nn DOES NOT END ON A SIX HOUR
PERIOD. THE DATE HAS BEEN RESET TO THE END OF THE NEXT SIX
HOUR PERIOD.

Action: All dates input for 6 hours data should end at the end
of a six hour period.

10. **WARNING** UNEXPECTED FIELDS ENCOUNTERED ON AN FMAP6 MOD.
EXTRA FIELDS IGNORED.

Action: Check FMAP6 cards for invalid or extraneous fields.

11. **WARNING** THE FMAP FUNCTION CAN ONLY PROCESS A MAXIMUM OF 31
DAYS. REMAINING DAYS TRUNCATED.

Action: Input only 31 or fewer days of FMAP data per run.