

VI.5.3D-SYSTEM OPERATIONAL FORECAST PROGRAM (FCST) SYSTEM TECHNIQUES

This Section contains a description and the form of the input for the system Techniques that are available in the Operational Forecast Program (FCST) [[Hyperlink](#)].

The Techniques are:

<u>Technique</u>	<u>Description</u>
1. APIMAX	Sets the maximum API value beyond which grid point values will not be allowed to exceed for Function MARO [Hyperlink]
2. APIMIN	Sets the minimum API value below which grid point values will not be allowed to drop for Function MARO [Hyperlink]
3. APIRCMIN	Sets the minimum API value below which grid point values will not be allowed to drop for Function MARO [Hyperlink]
4. APIREC	Sets the minimum API value below which grid point values will not be allowed to drop for Function MARO [Hyperlink]
5. APISCON	Sets the minimum API value below which grid point values will not be allowed to drop for Function MARO [Hyperlink]
6. BOXDEBUG	Sets the debug codes for Function MARO grid boxes [Hyperlink]
7. BOXDKEY	Sets the data type codes of the grid point hydrologic data types displayed on a grid-box background with the BOXDUMP Technique by Function MARO [Hyperlink]
8. BOXDUMP	Sets the specific grid box numbers for which the hydrologic data types specified in Technique BOXDKEY are to be printed by Function MARO [Hyperlink]
9. DEBUGPR	Sets the unit number for debug printout [Hyperlink]
10. DUR	Sets the precipitation duration factor which is used in grid point runoff value computations in Function MARO [Hyperlink]
11. ESTFTW	Sets which of the estimation options available in Function MARO will be used [Hyperlink]
12. ERRORPR	Sets the unit number for error printout [Hyperlink]
13. FCDEBUG	Sets the debug print for Forecast Component Operations [Hyperlink]

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14. FTWMDRDS Sets if MDR can be used by Function MARO to determine the 6 hour distribution percentages at the MDR centroid grid points [\[Hyperlink\]](#)
15. FTWQPF Sets that the Function MARO run is a QPF run [\[Hyperlink\]](#)
16. HCLDB Sets the debug level for the Hydrologic Command Language routines [\[Hyperlink\]](#)
17. HCLTR Sets the trace level for the Hydrologic Command Language routines [\[Hyperlink\]](#)
18. HISTUNIT Sets the unit number range for the ESP Historical Calibration Data Files [\[Hyperlink\]](#)
19. MDRDIST Sets whether daily MAP amounts will be distributed into 6 hour values using only MDR data whenever possible [\[Hyperlink\]](#)
20. MDREST24 Sets if and how MDR derived precipitation is going to be used in estimating missing daily station amounts at stations that can use MDR data [\[Hyperlink\]](#)
21. MDREST6 Sets whether MDR derived precipitation will be used to estimate the 6 hour distribution of precipitation at stations where 6 hour summations are missing and MDR data can be used [\[Hyperlink\]](#)
22. MDRONLY Sets whether MAP will be computed using only MDR data whenever possible [\[Hyperlink\]](#)
23. MDRTABLE Sets the MDR-to-precipitation probability conversion table to use when estimating precipitation or 6 hour percentage distributions in Function MARO [\[Hyperlink\]](#)
24. NUMQDT Sets the maximum number of observed precipitation reports to use per quadrant when performing estimation of missing grid point precipitation for Function MARO [\[Hyperlink\]](#)
25. PERMDATE Sets the creation date of the time series to be read from the ESP Permanent Time Series files for Function ESP [\[Hyperlink\]](#)
26. PERMWRT Sets whether time series are to be written to the ESP Permanent Time Series files for Function ESP [\[Hyperlink\]](#)
27. PGSZMARO Sets the number of MARO areas that appear on a single page of the MARO/MAPG/MAPI tables for Function MARO [\[Hyperlink\]](#)

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- 28. PLOTDAYS Sets the number of days for which an AFOS graphics plot will be generated [\[Hyperlink\]](#)
- 29. PLOTTP24 Sets what precipitation values are included on the AFOS graphics plot of daily precipitation [\[Hyperlink\]](#)
- 30. PPDDB Sets the debug trace level for the Preprocessor Data Base routines [\[Hyperlink\]](#)
- 31. PPDEBUG Sets the debug codes for the Preprocessor Component routines [\[Hyperlink\]](#)
- 32. PPDTR Sets the trace level for the Preprocessor Data Base read/write routines [\[Hyperlink\]](#)
- 33. PPPDB Sets the trace level for the Preprocessor Data Base read/write routines [\[Hyperlink\]](#)
- 34. PPRINT Sets the unit number for printer output from the Preprocessor Component [\[Hyperlink\]](#)
- 35. PPTTR Sets the debug level for the Preprocessor Parametric Data Base read/write routines [\[Hyperlink\]](#)
- 36. PPTRACE Sets the trace level for the Preprocessor Parametric Data Base read/write routines [\[Hyperlink\]](#)
- 37. PRDDB Sets the trace level for the Preprocessor Component routines [\[Hyperlink\]](#)
- 38. PRDTR Sets the debug level for the Processed Data Base read/write routines [\[Hyperlink\]](#)
- 39. PRINT Sets the unit number for printer output [\[Hyperlink\]](#)
- 40. PRTMARO Sets whether to print a table of the MARO/MAPG/MAPI values computed for each MARO area for this particular run for Function MARO [\[Hyperlink\]](#)
- 41. PRTMDR Sets whether 6 hour MDR summations and MDR derived precipitation will be displayed [\[Hyperlink\]](#)
- 42. PRTMDR6 Sets whether a table will be printed comparing MDR derived precipitation and observed precipitation at stations where both are available [\[Hyperlink\]](#)
- 43. PRTPPZRO Sets if zero precipitation amounts are to be included in the two sorted 24 and 6 hour precipitation lists printed by Function MARO [\[Hyperlink\]](#)
- 44. PUNCH Sets the unit number for punch output [\[Hyperlink\]](#)

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45. RESETCPU	Sets the trace level for the Processed Data Base read/write routines [Hyperlink]	
46. ROPRINT	Sets the unit number for printer output produced by Operation LIST-MSP [Hyperlink]	
47. SEARCH	Sets whether the Calibration Data File Headers are to be searched when checking file names [Hyperlink]	
48. SYSDEBUG	Sets the elapsed and total CPU time used [Hyperlink]	
49. TSUNITS	Sets the unit numbers used to write a time series to the ESP Permanent Time Series files for Function ESP [Hyperlink]	
50. UTLDB	Sets the debug print for Forecast Component system routines [Hyperlink]	
51. UTLTR	Sets the trace level for the Utility routines [Hyperlink]	
52. WKLAG	Sets the week of the year where the daily API recession is the lowest and the precipitation duration is the longest for Function MARO [Hyperlink]	