

## SUBROUTINE XFMAPD

### Description

Subroutine XFMAPD decodes the FMAP24 MOD.

### Calling Sequence

CALL XFMAPD (INFMAP, MXIN, MAXIMG, NIMG, IMGMOD, IERR)

### Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dim.</u>	<u>Description</u>
INFMAP	O	R	MXIN	Decoded 24-hour Future MAP input. <u>1/</u>
MXIN	I	I	1	Size of INFMAP array.
MAXIMG	O	I	1	Maximum MOD card images allowed.
NIMG	O	I	1	Actual number of MOD card images returned by HMODCK.
IMGMOD	I/O	A	(20, var)	Array where HMODCK places the retrieved FMAP24 MOD card images.
IERR	O	I	1	Error Flag 0 = successful 1 = problems returning FMAP24 MODS

### Method

Subroutine HMODCK is called to retrieve all FMAP24 MODs and the INFMAP array is filled with default and/or decoded values.

#### NOTES:

1/ The structure of the INFMAP array for 24-hour data is as follows (see VI.5.2C for format key):

```
NMOD{NIDENT date CON METRIC CTDIST{IRANGE ID1 ID2 VALUE IDTDIS}}
```

### Parameter Description

<u>Parameter</u>	<u>Dimension</u>	<u>Description</u>
NMOD	1	Number of 24-hour MODs.
NIDENT	1	Number of identifier card images associated with a particular command card.

date	1	Date for a particular command card.
CON	1	Computational order number flag .01 = OFF 1.00 = ON
METRIC	1	Metric Flag .01 = OFF 1.00 = ON
DTDIST	4	Command card time distribution to apply to all identifier cards.
IRANGE	1	Range Flag .01 = OFF 1.00 = ON
ID1	1	First identifier in the range.
ID2	1	Second identifier in a range (ID2 = ID1 if IRANGE = .01)
VALVE	1	24-hour future precipitation estimate.
IDTDIS	4	Identifier card time distribution.