

## SUBROUTINE XFMAP6

### Description

Subroutine XFMAP6 decodes the FMAP6 MODs.

### Calling Sequence

CALL XFMAP6 (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 6-hour future MAP input. <u>1/</u>
MXIN	I	I	1	Size of INFMAP array.
MAXIMG	I	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 retrieved FMAP6 MOD card images.
IERR	O	I	1	Error Flag, 0 = successful 1 = problems retrieving FMAP6 MODs

### Method

Subroutine HMODCK is called to retrieve all FMAP6 MODs and the INFMAP array is filled with default and/or decoded values.

### NOTES:

1/ The structure of the INFMAP array for 6-hour data is as follows  
(see  
VI.5.2C for format key)

```
NMOD{NIDENT data CON METRIC{NPX6 IRANGE ID1 ID2[VALUE]}}
```

Parameter Description

<u>Parameter</u>	<u>Dimension</u>	<u>Description</u>
NMOD	1	Number of 6-hour MODs.
NIDENT	I	Number of identifier cards associated with a particular command card.
date	I	Date for a particular command card.
CON	I	Computational order number flag, .01 = OFF 1.00 = ON
METRIC	I	Metric flag, .01 = OFF 1.00 = ON
NPX6	I	Number of 6-hour precipitation values on a particular identifier card.
IRANGE	I	Range flag, .01 = OFF 1.00 = ON
ID1	I	First identifier in the range.
ID2	I	Second identifier in the range (ID2 = ID1 if RANGE = .01).
VALUE	NPX	Six-hour future precipitation estimates.