Purpose

Common block MODRCS contains information obtained from the BUBLSHFT [Hyperlink], QCSHIFT [Hyperlink] and/or QPSHIFT [Hyperlink] MODs to shift Rating Curves [Hyperlink] for a Segment.

Listing

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COMMON /MODRCS/  NUMRC,RCSID(2,2),NSHIFT(2),IJHSHF(5,2),LJHSHF(5,2),
                 ISTYPE(5,2),HNEW(5,2),QNEW(5,2),HL(5,2),HU(5,2)
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Description of Variables

Variable	Type	Dimension	Word Position	Description
NUMRC	I*4	1	1	Number of Rating Curves with a shift applied in the Segment (maximum of 2)
RCSID	R*4	(2,2)	2	Identifiers of Rating Curves to which shifts are applied; if 'ALLRC' shift applies to all Rating Curves used in the Segment
NSHIFT	I*4	2	6	Number of shifts applied to each Rating Curve; maximum of 5 per curve
IJHSHF	I*4	(5,2)	8	Initial Julian hour (internal clock) when the shift is first applied 1/ 2/ 3/
LJHSHF	I*4	(5,2)	18	Last Julian hour (internal clock) to which the shift is applied 1/ 2/ 3/
ISTYPE	I*4	5,2	28	Type of shift to be applied: 0 = constant discharge (QCSHIFT MOD) 1 = percent discharge (QPSHIFT MOD) 2 = bubble or blend shift (BUBLSHFT MOD)
HNEW	R*4	5,2	38	Stage value of new Rating Curve point used to compute shift; units of M

Variable	Type	Dimension	Word Position	Description
QNEW	R*4	5,2	48	Discharge value corresponding to HNEW; units of CMS
HL	R*4	5,2	58	Lower stage value at which shifted curve blends back into original curve when ISTYPE=2; units of M; HL must be less than HO
HU	R*4	5,2	68	Upper stage value at which shifted curve blends back into original curve when ISTYPE=2; units of M; HU must be greater than HO

Notes:

1/ Only MODs which apply to times that fall within the current run period are stored in the common block.

2/ Time overlaps are removed before storing entries in the common block thus IJHSHF(n+1) is always greater than LJHSHF(n). When there is an overlap then the starting hour takes precedence over the ending hour when determining which values are stored in the common block.

3/ Julian hours may not correspond to ending time intervals of the stage; discharge values being converted.