

SUBROUTINE SBPLOT

Description

This routine plots grid points for a basin boundary.

Calling Sequence

CALL SBPLOT (IPTYPE, ICOL, IY, IXB, IXE, NSEGS, X, Y, JX, JY, JNBPTS, LFACTR,
XC, YC, JN, ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
IPTYPE	I	I*4	1	Plot type indicator: 1 = basin boundary points 2 = weighting station locations
ICOL	I	I*4	1	Number of printer columns allowed for plot
IY	I	I*4	NSEGS	Array of rows of grid points within defined basin
IXB	I	I*4	NSEGS	Array of columns of leftmost grid points within defined basin
IXE	I	I*4	NSEGS	Array of columns of rightmost grid points within defined basin
NSEGS	I	I*4	1	Number of values in IY, IXB and IXE arrays
X	I	R*4	NBPTS	Array of X coordinate basin boundary points
Y	I	R*4	NBPTS	Array of Y coordinate basin boundary points
JX	I	I*4	NBPTS	Integer array of X coordinates
JY	I	I*4	NBPTS	Integer array of Y coordinates
NBPTS	I	I*4	1	Number of pairs of coordinates
XC	I	R*4	1	X coordinate of the basin centroid

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
YC	I	R*4	1	Y coordinate of the basin centroid
JN	I	I*4	NBPTS	Coordinate pair number
ISTAT	O	I*4	1	Status code: 0 = okay 1 = error