

SUBROUTINE SBLGDD

Description

This routine converts longitude and latitude coordinates to HRAP grid coordinates and vice-versa.

See Section VI.3.3C for a description of the HRAP grid coordinate system.

Calling Sequence

CALL SBLGDD (FLON, FLAT, NBPTS, X, Y, ILLGD, ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
FLON	I/O	R*4	NBPTS	Array of longitude values (decimal degrees)
FLAT	I/O	R*4	NBPTS	Array of latitude values (decimal degrees)
NBPTS	I	I*4	1	Number of pairs of coordinates
X	I/O	R*4	NBPTS	Array of polar stereographic X coordinates
Y	I/O	R*4	NBPTS	Array of polar stereographic Y coordinates
ILLGD	I	I*4	1	Conversion indicator: 0 = convert polar stereographic grid points to longitude/latitude 1 = convert longitude/latitude to polar stereographic grid points
ISTAT	O	I*4	1	Status code: 0 = okay 1 = error