

Description

Subroutine PDFNDI searches for a station in the Preprocessor Data Base.

It hashes on the integer identifier to get a record number from the hash array. It reads the station information record and compares the integer identifiers. If a match is found then it returns the record number, station information record and the hash array subscript. If not found then it keeps searching through the overflow area. When all of the overflow area records have been checked it will return the first free hash array slot found.

Calling Sequence

CALL PDFNDI (INTID,LSIBUF,IFIND,ISIREC,ISIBUF,IFREE,ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
INTID	Input	I*4	1	Station integer identifier
LSIBUF	Input	I*4	1	Length of array ISIBUF
IFIND	Output	I*4	1	Subscript of hash array: 0 = not found
ISIREC	Output	I*4	1	Record number of station information record if found: 0 = identifier not found
ISIBUF	Output	I*2	LSIBUF	Station information record if found
IFREE	Output	I*4	1	First free slot in hash array if not found: 0 = identifier found
ISTAT	Output	I*4	1	Status: 0 = normal return 1 = other error 2 = file is full