

IX.4.3C-GENL PREPROCESSOR PARAMETRIC DATA BASE PARAMETER ARRAY GENL:
STATION GENERAL PARAMETERS

Purpose

Parameter array GENL contains station general parameters.

Array Contents 1/

<u>Starting Position</u>	<u>Dimension</u>	<u>Type</u>	<u>Input/Generated</u>	<u>Description</u>
1	1	I*4	G	Parameter array version number
2	1	A8	I	Station identifier
4	1	I*4	I	Station number
5	1	A20	I	Description
10	1	R*4	I	Elevation; units of M
11	2	R*4	I	Location; latitude and longitude; units of decimal degrees
13	2	I*4	G	NWSRFS/HRAP coordinates; stored as (X,Y)
15	1	I*4	G	Complete indicator: <u>2/</u> 0 = complete 1 = incomplete
16	1	A2	I	United States Postal Service 2-character state identifier
17	1	I*4	I	Grid point address used by the WGRFC MARO Function: -999 = undefined or outside of grid system
18	1	I*4	G	Number of data groups (NGPS)
19	NGPS	A4	I	Data group codes <u>3/</u>
19+NGPS	NGPS	I*4	G	Record number of parameter record in Preprocessor Parametric

<u>Starting Position</u>	<u>Dimension</u>	<u>Type</u>	<u>Input/Generated</u>	<u>Description</u>
				Data Base for each group
IPCPN*(19+NGPS*2)	1	I*4	G	Array location of pointers for 24 hour PCPN data <u>4/</u>
IPCPN*(19+NGPS*2+IPCPN)	1	I*4	G	Array location of pointers for less than 24 hour PCPN data <u>4/</u>
IPCPN*(19+NGPS*2+IPCPN*2)	1	I*4	I	Data time interval of less than 24 hour PCPN data: <u>4/</u> 0 = data time interval is 24 hours
IPCPN*(19+NGPS*2+IPCPN*3)	1	I*4	G	Array location of precipitation characteristics for this station: <u>6/</u> 0 = characteristics not used
ITEMP*(19+NGPS*2+IPCPN*4)	1	I*4	G	Array location of pointers for maximum/minimum TEMP data <u>4/</u>
ITEMP*(19+NGPS*2+IPCPN*4+ITEMP)	1	I*4	G	Array location of pointers for instantaneous TEMP data <u>4/</u>
ITEMP*(19+NGPS*2+IPCPN*4+ITEMP*2)	1	I*4	I	Data time interval of instantaneous TEMP data <u>4/</u>
ITEMP*(19+NGPS*2+IPCPN*4+ITEMP*3)	1	I*4	G	Array location of pointers for Forecast maximum/minimum TEMP data <u>4/</u>
ITEMP*(19+NGPS*2+IPCPN*4+ITEMP*4)	1	R*4	I	Fe Factor for TEMP weights; units of KM/1000M <u>4/</u>
IPE*(19+NGPS*2+IPCPN*4+ITEMP*4)	1	I*4	G	Array location of pointers for PE data <u>4/</u>
19+NGPS*2	1	I*4	G	Number of Data Entry

<u>Starting Position</u>	<u>Dimension</u>	<u>Type</u>	<u>Input/Generated</u>	<u>Description</u>
+IPCPN*4 +ITEMP*5 +IPE				source codes (NSRC) <u>5</u> /

The following 3 items are repeated NSRC times:

20+NGPS*2 +IPCPN*4 +ITEMP*5 +IPE	1	A4	I	Data Entry source code <u>5</u> /
	1	I*4	G	Number of words in Data Entry source identifier (NSID)
	NSID	A4	I	Data Entry source identifier
20+NGPS*2 +ICPCN*4 +ITEMP*5 +IPE +NSRC*(2+NSID)	1	I*4	I	Number of GOES data groups or RRS data types that are not to be transferred by the GOES data transfer programs (NGOES)
21+NGPS*2 +IPCPN*4 +ITEMP*5 +IPE +NSRC(2+NSID)	NGOES	A4	I	GOES data groups or RRS data types not to be transferred
22+NGPS*2 +IPCPN*4 +ITEMP*5 +IPE +NSRC(2+NSID) +NGOES	1	I*4	I	Number of CDAS data groups or RRS data types that are not to be transferred by the GOES data transfer programs (NCDAS)
23+NGPS*2 +IPCPN*4 +ITEMP*5 +IPE +NSRC(2+NSID) +NGOES	NCDAS	A4	I	CDAS data groups or RRS data types not to be transferred

Notes:

1/ If the starting position is zero then there is no value stored for this variable.

2/ Indicates whether entries were successfully made in all appropriate Preprocessor Data Base and Preprocessor Parametric Data Base files

for this station.

- 3/ Valid codes are PCPN, TEMP, PE and RRS. IPCPN, ITEMP and IPE are indicators for which group of data are defined. If the group is defined then the indicator has a value of 1. If the group is not defined then the indicator has a value of zero.
- 4/ Variable exists only if station has this data group. Array location is the location of the pointers in the pointer array returned from the Preprocessor Data Base routine RPDDL Y for the given data type.
- 5/ Used for creating Data Entry control file entries for processing SASM, GOES and other data. The current valid codes and the corresponding data source are:
 - SA - Synoptic Airways data from NMC files
 - SM - Synoptic Meteorological data from NMC files
 - GHB5 - Geostationary Orbit Earth Satellite data specified by NWS Communications Handbook 5 identifier
 - GPLT - Geostationary Orbit Earth Satellite data specified by platform identifier
 - CDAS - Centralized Automatic Data Acquisition System
- 6/ Array location is the location of the characteristics in the array returned from the Preprocessor Parametric Data Base routine RPPCHR.