

COMMON BLOCK GSIZE

Purpose

Contains array size and array limit information for computations in the Ft. Worth MARO function.

Listing

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COMMON /GSIZE/ NGRID, NMARO, NWORK, NGMDR, NDIST, IPMAX, N6HR,  
  NGRBOX, MAXPCP, MAXPC6, NUMQDT, NQSET, NSQUAR, NBXDMP,  
  NRFRO, LRFRO, MRFULL, NPAGE, NWKMAX, NSTEP1, NSTEP2,  
  NUMPD1, NUMPD2, LGENL, NGP24P, NZWORK, MAXMOD, CVMAX, CVMIN, MSNG24,  
  MSNG6, MSGMDR, MSGGRD, MSGAPI
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Size

32 words.

Variable Description

<u>Variable</u>	<u>Type</u>	<u>Dim.</u>	<u>Word Pos.</u>	<u>Description</u>
NGRID	I	1	1	Number of grid points in the Ft. Worth grid system (10000).
NMARO	I	1	2	Maximum number of MARO areas (800).
NWORK	I	1	3	Number of words in user parametric array (40).
NGMDR	I	1	4	Number of MDR grid points (700).
NDIST	I	1	5	Maximum number of distributions that can be entered into the computations (1500).
IPMAX	I	1	6	Maximum number of stations in the "named" network (2500).
N6HR	I	1	7	Maximum number of 6-hr grid points (200).
NGRBOX	I	1	8	Number of degree boxes in Ft. Worth MARO system (98).

<u>Variable</u>	<u>Type</u>	<u>Dim.</u>	<u>Word Pos.</u>	<u>Description</u>
MAXPCP	I	1	9	Maximum 24 hr. precipitation amount, above which a warning message will be issued. (Default = 5000, or 500.00 inches).
MAXPC6	I	1	10	Maximum 6 hr. precipitation amount, above which a warning message will be issued. (Default = 5000, or 500.00 inches).
NUMQDT	I	1	11	The maximum number of observed precipitation reports to be searched for in any quadrant. (Default = 1).
NQSET	I	1	12	The maximum permissible value of NUMQDT (10).
NSQUAR	I	1	13	The number of grid points on a row and column of a grid square, or degree box (10).
NBXDMP	I	1	14	The maximum number of degree box numbers that can be selected for grid point display in a single run. (20).
NRFRO	I	1	15	The maximum number of rainfall/runoff relations permitted in the WGRFC MARO function (20).
LRFRO	I	1	16	The length of the RFR0 parametric array (I*4 words) in the WGRFC MARO function (16).
MRFULL	I	1	17	The maximum length of the MARO parametric array (I*4 words) in the WGRFC MARO function (384).
NPAGE	I	1	18	The maximum number of MARO areas to display on a single page during MARO/MAPG/MAPI printer output (30).
NWKMAX	I	1	19	The maximum length of the work buffer IWKBUFF, which appears as an argument in WPRD/WPRDF (64).
NSTEP1	I	1	20	The time step in hours in the MARO/MAPG time series (6).
NSTEP2	I	1	21	The time step in hours in the MAPI time series (24).

<u>Variable</u>	<u>Type</u>	<u>Dim.</u>	<u>Word Pos.</u>	<u>Description</u>
NUMPD1	I	1	22	The number of time periods in a record of the MARO/MAPG time series (4).
NUMPD2	I	1	23	The number of time periods in a record of the MAPI time series (1).
LGENL	I	1	24	The maximum length (I*4 words) of the GENL parametric array (100).
NGP24P	I	1	25	Number of full words needed to store the maximum number of PP24 data pointers for shared grid point addresses in the GP24 parametric array. There is currently allowed up to 1200 total shared grid points (600).
NZWORK	I	1	26	The length (I*2 words) of the data array NDATA, which is the combined arrays PG24, GP6, APIG, and W6. (38000).
MAXMOD	I	1	27	The maximum number of runtime MODS for grid point precipitation override (.GRIDPX) that can be processed (200).
CVMAX	R	1	28	The maximum allowable value of the argument to Technique CNVDIS (value is in miles). (70)
CVMIN	R	1	29	The minimum allowable value of the argument to Technique CNVDIS (value is in miles). (12)
MSNG24	I*2	1	30	Code for missing 24-hr precipitation in the PPDB. This value is currently -9, and is set by the PPDB read/write routines.
MSNG6	I*2	1	30.5	Code for missing 6-hr precipitation in the PPDB. This value is currently -9999, and is set by the PPDB read/write routines.
MSGGRD	I*2	1	31	Code for missing precip in PG24 (-9999).
MSGMDR	I*2	1	31.5	Code for missing MDR in the PPDB. (-9999).

<u>Variable</u>	<u>Type</u>	<u>Dim.</u>	<u>Word Pos.</u>	<u>Description</u>
MSGAPI	I*2	1	32	Code for missing API in the PPDB. (-9999).