

```

!
!Table History Log:
!2010-01-21          V. Krishna Kumar/NCO/SIB
!
!GRIB2 parameter table for all disciplines and categories
!The fields in order are grib2_discipline  grib2_category
!grib2_parameter_number grib2_table_information (0 for the parameter
!from the WMO table and 1 for the parameter from teh NCEP local table)
!grib2_NCEP_mnemonic (locally defined at NCEP). WMO parameters have values
!ranging from 0 to 191 and NCEP local table parameters have values from 192
!to 254 and the parameter value 255 is a missing or undefined.
!Comment cards with the !will not be read by the program
!
!
! GRIB2 - TABLE 4.2-0-0 PARAMETERS FOR DISCIPLINE 0 CATEGORY 0
!
  0  0  0  0 TMP
  0  0  1  0 VTMP
  0  0  2  0 POT
  0  0  3  0 EPOT
  0  0  4  0 TMAX
  0  0  5  0 TMIN
  0  0  6  0 DPT
  0  0  7  0 DEPR
  0  0  8  0 LAPR
  0  0  9  0 TMP_A
  0  0 10  0 LHTFL
  0  0 11  0 SHTFL
  0  0 12  0 HEATX
  0  0 13  0 WCF
  0  0 14  0 MINDPD
  0  0 15  0 VPTMP
  0  0 16  0 SNOHF
  0  0 17  0 SKINT
!
  0  0 192  1 SNOHF
  0  0 193  1 TTRAD
  0  0 194  1 REV
  0  0 195  1 LRGHR
  0  0 196  1 CNVHR
  0  0 197  1 THFLX
  0  0 198  1 TTDIA
  0  0 199  1 TTPHY
  0  0 200  1 TSD1D
  0  0 201  1 SHAHR
  0  0 202  1 VDFHR
  0  0 203  1 THZ0
  0  0 204  1 TCHP
!
! GRIB2 - TABLE 4.2-0-1 PARAMETERS FOR DISCIPLINE 0 CATEGORY 1
!
  0  1  0  0 SPF_H
  0  1  1  0 RH
  0  1  2  0 MIXR
  0  1  3  0 PWAT
  0  1  4  0 VAPP
  0  1  5  0 SATD

```

0	1	6	0	EVP
0	1	7	0	PRATE
0	1	8	0	A_PCP
0	1	9	0	NCPCP
0	1	10	0	ACPCP
0	1	11	0	SNO_D
0	1	12	0	SRWEQ
0	1	13	0	WEASD
0	1	14	0	SNO_C
0	1	15	0	SNO_L
0	1	16	0	SNO_M
0	1	17	0	SNOAG
0	1	18	0	ABSH
0	1	19	0	PTYPE
0	1	20	0	ILIQW
0	1	21	0	TCOND
0	1	22	0	CLWMR
0	1	23	0	ICMR
0	1	24	0	RWMR
0	1	25	0	SNMR
0	1	26	0	MCONV
0	1	27	0	MAXRH
0	1	28	0	MAXAH
0	1	29	0	ASNOW
0	1	30	0	PWCAT
0	1	31	0	HAIL
0	1	32	0	GRLE
0	1	33	0	CRAIN
0	1	34	0	CFRZR
0	1	35	0	CICEP
0	1	36	0	CSNOW
0	1	37	0	CPRAT
0	1	38	0	MCONV
0	1	39	0	CPOFP
0	1	40	0	PEVAP
0	1	41	0	PEVPR
0	1	42	0	SNOWC
0	1	43	0	FRAIN
0	1	44	0	RIME
0	1	45	0	TCOLR
0	1	46	0	TCOLS
0	1	47	0	LSWP
0	1	48	0	CWP
0	1	49	0	TWATP
0	1	50	0	TSNOWP
0	1	51	0	TCWAT
0	1	52	0	TPRATE
0	1	53	0	TSRWE
0	1	54	0	LSPRATE
0	1	55	0	CSRWE
0	1	56	0	LSSRWE
0	1	57	0	TSRATE
0	1	58	0	CSRATE
0	1	59	0	LSSRATE
0	1	60	0	SDWE
0	1	61	0	SDEN
0	1	62	0	SEVAP

```
!  
0 1 64 0 TCIWV  
0 1 65 0 RPRATE  
0 1 66 0 SPRATE  
0 1 67 0 FPRATE  
0 1 68 0 IPRATE
```

```
!  
0 1 192 1 CRAIN  
0 1 193 1 CFRZR  
0 1 194 1 CICEP  
0 1 195 1 CSNOW  
0 1 196 1 CPRAT  
0 1 197 1 MCONV  
0 1 198 1 MINRH  
0 1 199 1 PEVAP  
0 1 200 1 PEVPR  
0 1 201 1 SNOWC  
0 1 202 1 FRAIN  
0 1 203 1 RIME  
0 1 204 1 TCOLR  
0 1 205 1 TCOLS  
0 1 206 1 TIPD  
0 1 207 1 NCIP  
0 1 208 1 SNO_T  
0 1 209 1 TCLSW  
0 1 210 1 TCOLM  
0 1 211 1 EMNP  
0 1 212 1 SBSNO  
0 1 213 1 CNVMR  
0 1 214 1 SHAMR  
0 1 215 1 VDFMR  
0 1 216 1 CONDP  
0 1 217 1 LRGMR  
0 1 218 1 QZ0  
0 1 219 1 QMAX  
0 1 220 1 QMIN  
0 1 221 1 ARAIN  
0 1 222 1 SNOWT  
0 1 223 1 APCPN  
0 1 224 1 ACPCPN  
0 1 225 1 FRZR
```

```
!  
! GRIB2 - TABLE 4.2-0-2 PARAMETERS FOR DISCIPLINE 0 CATEGORY 2  
!
```

```
0 2 0 0 WDIR  
0 2 1 0 WIND  
0 2 2 0 U_GRD  
0 2 3 0 V_GRD  
0 2 4 0 STRM  
0 2 5 0 V_POT  
0 2 6 0 MNTSF  
0 2 7 0 SGCVV  
0 2 8 0 V_VEL  
0 2 9 0 DZDT  
0 2 10 0 ABS_V  
0 2 11 0 ABS_D  
0 2 12 0 REL_V
```

0	2	13	0	REL_D
0	2	14	0	PVORT
0	2	15	0	VUCSH
0	2	16	0	VVCSH
0	2	17	0	U_FLX
0	2	18	0	V_FLX
0	2	19	0	WMIXE
0	2	20	0	BLYDP
0	2	21	0	MAXGUST
0	2	22	0	GUST
0	2	23	0	U_GUST
0	2	24	0	V_GUST
0	2	25	0	VW_SH
0	2	26	0	M_FLX
0	2	27	0	USTM
0	2	28	0	VSTM
0	2	29	0	CD
0	2	30	0	FRICV
!				
0	2	192	1	VW_SH
0	2	193	1	M_FLX
0	2	194	1	USTM
0	2	195	1	VSTM
0	2	196	1	CD
0	2	197	1	FRICV
0	2	198	1	LAUV
0	2	199	1	LOUV
0	2	200	1	LAVV
0	2	201	1	LOVV
0	2	202	1	LAPP
0	2	203	1	LOPP
0	2	204	1	VEDH
0	2	205	1	COVMZ
0	2	206	1	COVTZ
0	2	207	1	COVTM
0	2	208	1	VDFUA
0	2	209	1	VDFVA
0	2	210	1	GWDU
0	2	211	1	GWDV
0	2	212	1	CNVU
0	2	213	1	CNVV
0	2	214	1	WTEND
0	2	215	1	OMGALF
0	2	216	1	CNGWDU
0	2	217	1	CNGWDV
0	2	218	1	LMV
0	2	219	1	PVMWW
!				
! GRIB2 - TABLE 4.2-0-3 PARAMETERS FOR DISCIPLINE 0 CATEGORY 3				
!				
0	3	0	0	PRES
0	3	1	0	PRMSL
0	3	2	0	PTEND
0	3	3	0	ICAHT
0	3	4	0	GP
0	3	5	0	HGT
0	3	6	0	DIST

0	3	7	0	HSTDV
0	3	8	0	PRESA
0	3	9	0	GP_A
0	3	10	0	DEN
0	3	11	0	ALTS
0	3	12	0	THICK
0	3	13	0	PRESALT
0	3	14	0	DENALT
0	3	15	0	5WAVH
0	3	16	0	U_GWD
0	3	17	0	V_GWD
0	3	18	0	HPBL
0	3	19	0	5WAVA
0	3	20	0	SDSGSO
0	3	21	0	AOSGSO
0	3	22	0	SSGSO
0	3	23	0	GSGSO
0	3	24	0	ASGSO
!				
0	3	192	1	MSLET
0	3	193	1	5WAVH
0	3	194	1	U_GWD
0	3	195	1	V_GWD
0	3	196	1	HPBL
0	3	197	1	5WAVA
0	3	198	1	MSLMA
0	3	199	1	TSLSA
0	3	200	1	PLPL
0	3	201	1	LPS_X
0	3	202	1	LPS_Y
0	3	203	1	HGT_X
0	3	204	1	HGT_Y
0	3	205	1	LAYTH
0	3	206	1	NLGSP
0	3	207	1	CNVUMF
0	3	208	1	CNVDMF
0	3	209	1	CNVDEMF
0	3	210	1	LMH
0	3	211	1	HGTN
0	3	212	1	PRESN
!				
!	GRIB2 - TABLE 4.2-0-4 PARAMETERS FOR DISCIPLINE 0 CATEGORY 4			
!				
0	4	0	0	NSWRS
0	4	1	0	NSWRT
0	4	2	0	SWAVR
0	4	3	0	G_RAD
0	4	4	0	BRTMP
0	4	5	0	LWRAD
0	4	6	0	SWRAD
0	4	7	0	DSWRF
0	4	8	0	USWRF
0	4	9	0	NSWRF
0	4	10	0	PHOTAR
0	4	11	0	NSWRFCS
0	4	12	0	DWUVR
!				

0	4	50	0	UVIUCS
0	4	51	0	UVI
!				
0	4	192	1	DSWRF
0	4	193	1	USWRF
0	4	194	1	DUVB
0	4	195	1	CDUVB
0	4	196	1	CSDSF
0	4	197	1	SWHR
0	4	198	1	CSUSF
0	4	199	1	CFNSF
0	4	200	1	VBDSF
0	4	201	1	VDDSF
0	4	202	1	NBDSF
0	4	203	1	NDDSF
0	4	204	1	DTRF
0	4	205	1	UTRF

! GRIB2 - TABLE 4.2-0-5 PARAMETERS FOR DISCIPLINE 0 CATEGORY 5

0	5	0	0	NLWRS
0	5	1	0	NLWRT
0	5	2	0	LWAVR
0	5	3	0	DLWRF
0	5	4	0	ULWRF
0	5	5	0	NLWRF
0	5	6	0	NLWRCS

!				
0	5	192	1	DLWRF
0	5	193	1	ULWRF
0	5	194	1	LWHR
0	5	195	1	CSULF
0	5	196	1	CSDLF
0	5	197	1	CFNLF

! GRIB2 - TABLE 4.2-0-6 PARAMETERS FOR DISCIPLINE 0 CATEGORY 6

!				
0	6	0	0	C_ICE
0	6	1	0	T_CDC
0	6	2	0	CDCON
0	6	3	0	L_CDC
0	6	4	0	M_CDC
0	6	5	0	H_CDC
0	6	6	0	C_WAT
0	6	7	0	CDCA
0	6	8	0	CDCT
0	6	9	0	TMAXT
0	6	10	0	THUNC
0	6	11	0	CDCB
0	6	12	0	CDCT
0	6	13	0	CEIL
0	6	14	0	CDLYR
0	6	15	0	CWORK
0	6	16	0	CUEFI
0	6	17	0	TCOND
0	6	18	0	TCOLW
0	6	19	0	TCOLI

0	6	20	0	TCOLC
0	6	21	0	FICE
0	6	22	0	CDCC
0	6	23	0	CDCIMR
0	6	24	0	SUNS
0	6	25	0	CBHE
!				
0	6	192	1	CDLYR
0	6	193	1	CWORK
0	6	194	1	CUEFI
0	6	195	1	TCOND
0	6	196	1	TCOLW
0	6	197	1	TCOLI
0	6	198	1	TCOLC
0	6	199	1	FICE
0	6	200	1	MFLUX
0	6	201	1	SUNSD
!				
!	GRIB2 - TABLE 4.2-0-7 PARAMETERS FOR DISCIPLINE 0 CATEGORY 7			
!				
0	7	0	0	PLI
0	7	1	0	BLI
0	7	2	0	K_X
0	7	3	0	KOX
0	7	4	0	TOTALX
0	7	5	0	S_X
0	7	6	0	CAPE
0	7	7	0	CIN
0	7	8	0	HLCY
0	7	9	0	EHLX
0	7	10	0	LFT_X
0	7	11	0	4LFTX
0	7	12	0	RI
!				
0	7	192	1	LFT_X
0	7	193	1	4LFTX
0	7	194	1	RI
0	7	195	1	CWDI
0	7	196	1	UVI
0	7	197	1	UPHL
0	7	198	1	LAI
!				
!	GRIB2 - TABLE 4.2-0-13 PARAMETERS FOR DISCIPLINE 0 CATEGORY 13			
!				
0	13	0	0	AEROT
!				
0	13	192	1	PMTC
0	13	193	1	PMTF
0	13	194	1	LPMTF
0	13	195	1	LIPMF
!				
!	GRIB2 - TABLE 4.2-0-14 PARAMETERS FOR DISCIPLINE 0 CATEGORY 14			
!				
0	14	0	0	TOZNE
0	14	1	0	O3MR
0	14	2	0	TCIOZ
!				

0	14	192	1	O3MR
0	14	193	1	OZCON
0	14	194	1	OZCAT
0	14	195	1	VDFOZ
0	14	196	1	POZ
0	14	197	1	TOZ
0	14	198	1	POZT
0	14	199	1	POZO
0	14	200	1	OZMAX1
0	14	201	1	OZMAX8
0	14	202	1	PDMAX1
0	14	203	1	PDMAX24

!

! GRIB2 - TABLE 4.2-0-15 PARAMETERS FOR DISCIPLINE 0 CATEGORY 15

!

0	15	0	0	BSWID
0	15	1	0	BREF
0	15	2	0	BRVEL
0	15	3	0	VERIL
0	15	4	0	LMAXBR
0	15	5	0	PREC
0	15	6	0	RDSP1
0	15	7	0	RDSP2
0	15	8	0	RDSP3

!

! GRIB2 - TABLE 4.2-0-16 PARAMETERS FOR DISCIPLINE 0 CATEGORY 16

!

0	16	192	1	REFZR
0	16	193	1	REFZI
0	16	194	1	REFZC
0	16	195	1	REFD
0	16	196	1	REFC
0	16	197	1	RETOP

!

! GRIB2 - TABLE 4.2-0-17 PARAMETERS FOR DISCIPLINE 0 CATEGORY 17

!

0	17	192	0	LTNG
---	----	-----	---	------

!

! GRIB2 - TABLE 4.2-0-18 PARAMETERS FOR DISCIPLINE 0 CATEGORY 18

!

0	18	0	0	ACCES
0	18	1	0	ACIOD
0	18	2	0	ACRADP
0	18	3	0	GDCES
0	18	4	0	GDIOD
0	18	5	0	GDRADP
0	18	6	0	TIACCP
0	18	7	0	TIACIP
0	18	8	0	TIACRP

!

! GRIB2 - TABLE 4.2-0-19 PARAMETERS FOR DISCIPLINE 0 CATEGORY 19

!

0	19	0	0	VIS
0	19	1	0	ALBDO
0	19	2	0	TSTM
0	19	3	0	MIXHT
0	19	4	0	VOLASH



0	19	5	0	ICIT
0	19	6	0	ICIB
0	19	7	0	ICI
0	19	8	0	TURBT
0	19	9	0	TURBB
0	19	10	0	TURB
0	19	11	0	TKE
0	19	12	0	PBLREG
0	19	13	0	CONTI
0	19	14	0	CONTET
0	19	15	0	CONTT
0	19	16	0	CONTB
0	19	17	0	MXSALB
0	19	18	0	SNFALB
0	19	19	0	SALBD
0	19	20	0	ICIP
0	19	21	0	CTP
0	19	22	0	CAT
0	19	23	0	SLDP
!				
0	19	192	1	MXSALB
0	19	193	1	SNFALB
0	19	194	1	SRCONO
0	19	195	1	MRCONO
0	19	196	1	HRCONO
0	19	197	1	TORPROB
0	19	198	1	HAILPROB
0	19	199	1	WINDPROB
0	19	200	1	STORPROB
0	19	201	1	SHAILPRO
0	19	202	1	SWINDPRO
0	19	203	1	TSTMC
0	19	204	1	MIXLY
0	19	205	1	FLIGHT
0	19	206	1	CICEL
0	19	207	1	CIVIS
0	19	208	1	CIFLT
0	19	209	1	LAVNI
0	19	210	1	HAVNI
0	19	211	1	SBSALB
0	19	212	1	SWSALB
0	19	213	1	NBSALB
0	19	214	1	NWSALB
0	19	215	1	PRSVR
0	19	216	1	PRSIGSVR
0	19	217	1	SIPD
0	19	218	1	EPSR
0	19	219	1	TPFI
!				
0	19	232	1	VAFTD
!				
!	GRIB2	-	TABLE	4.2-0-20
!				PARAMETERS
!				FOR
!				DISCIPLINE
!				0
!				CATEGORY
!				20
!				
0	20	0	0	MASSDEN
0	20	1	0	COLMD
0	20	2	0	MASSMR
0	20	3	0	AEMFLX

```

0 20 4 0 ANPMFLX
0 20 5 0 ANPEMFLX
0 20 6 0 SDDMFLX
0 20 7 0 SWDMFLX
0 20 8 0 AREMFLX
!
0 20 50 0 AIA
0 20 51 0 CONAIR
0 20 52 0 VMXR
0 20 53 0 CGPRC
0 20 54 0 CGDRC
0 20 55 0 SFLUX
0 20 56 0 COAIA
0 20 57 0 TYABA
0 20 58 0 TYAAL
!
0 20 100 0 SADEN
0 20 101 0 AOTK
!
0 20 131 0 NO2TROP
0 20 132 0 NO2VCD
0 20 133 0 BROVCD
0 20 134 0 HCHOVCD
!
! GRIB2 - TABLE 4.2-0-190 PARAMETERS FOR DISCIPLINE 0 CATEGORY 190
!
0 190 0 0 CCITTIA5
!
! GRIB2 - TABLE 4.2-0-191 PARAMETERS FOR DISCIPLINE 0 CATEGORY 191
!
0 191 0 0 TSEC
!
0 191 192 1 NLAT
0 191 193 1 ELON
0 191 194 1 TSEC
0 191 195 1 MLYNO
0 191 196 1 NLATN
0 191 197 1 ELONN
!
! GRIB2 - TABLE 4.2-0-192 PARAMETERS FOR DISCIPLINE 0 CATEGORY 192
!
0 192 1 1 COVMZ
0 192 2 1 COVTZ
0 192 3 1 COVTM
0 192 4 1 COVTW
0 192 5 1 COVZZ
0 192 6 1 COVMM
0 192 7 1 COVQZ
0 192 8 1 COVQM
0 192 9 1 COVTVV
0 192 10 1 COVQVV
0 192 11 1 COVSPSPS
0 192 12 1 COVQQ
0 192 13 1 COVVVVV
0 192 14 1 COVTT
!
! GRIB2 - TABLE 4.2-1-0 PARAMETERS FOR DISCIPLINE 1 CATEGORY 0

```

```

!
1 0 0 0 FFLDG
1 0 1 0 FFLDRO
1 0 2 0 RSSC
1 0 3 0 ESCT
1 0 4 0 SWEPON
1 0 5 0 BGRUN
1 0 6 0 SSRUN
!
1 0 192 1 BGRUN
1 0 193 1 SSRUN
!
! GRIB2 - TABLE 4.2-1-1 PARAMETERS FOR DISCIPLINE 1 CATEGORY 1
!
1 1 0 0 CPPOP
1 1 1 0 PPOSP
1 1 2 0 POP
!
1 1 192 1 CPOZP
1 1 193 1 CPOFP
1 1 194 1 PPFFG
1 1 195 1 CWR
!
! GRIB2 - TABLE 4.2-2-0 PARAMETERS FOR DISCIPLINE 2 CATEGORY 0
!
2 0 0 0 LAND
2 0 1 0 SFC_R
2 0 2 0 TSOIL
2 0 3 0 SOIL_M
2 0 4 0 VEG
2 0 5 0 WATR
2 0 6 0 EVAPT
2 0 7 0 MTERH
2 0 8 0 LANDU
2 0 9 0 SOILW
2 0 10 0 GFLUX
2 0 11 0 MSTAV
2 0 12 0 SFEXC
2 0 13 0 CNWAT
2 0 14 0 BMIXL
2 0 15 0 CCOND
2 0 16 0 RSMIN
2 0 17 0 WILT
2 0 18 0 RCS
2 0 19 0 RCT
2 0 20 0 RCSOL
2 0 21 0 RCQ
2 0 22 0 SOILM
2 0 23 0 CISOILW
2 0 24 0 HFLUX
2 0 25 0 VSOILM
2 0 26 0 WILT
2 0 27 0 VWILTM
!
2 0 192 1 SOILW
2 0 193 1 GFLUX
2 0 194 1 MSTAV

```

2	0	195	1	SFEXC
2	0	196	1	CNWAT
2	0	197	1	BMIXL
2	0	198	1	VG Typ
2	0	199	1	CCOND
2	0	200	1	RS MIN
2	0	201	1	WILT
2	0	202	1	RCS
2	0	203	1	RCT
2	0	204	1	RCQ
2	0	205	1	RCSOL
2	0	206	1	RDRIP
2	0	207	1	ICWAT
2	0	208	1	AKHS
2	0	209	1	AKMS
2	0	210	1	VEGT
2	0	211	1	SSTOR
2	0	212	1	LSOIL
2	0	213	1	EWATR
2	0	214	1	GWREC
2	0	215	1	QREC
2	0	216	1	SFCRH
2	0	217	1	NDVI
2	0	218	1	LANDN
2	0	219	1	AMIXL
2	0	220	1	WVINC
2	0	221	1	WCINC
2	0	222	1	WVCONV
2	0	223	1	WCCONV
2	0	224	1	WVUFLX
2	0	225	1	WVFLX
2	0	226	1	WCUFLX
2	0	227	1	WCVFLX
2	0	228	1	ACOND
2	0	229	1	EVCW
2	0	230	1	TRANS

!

! GRIB2 - TABLE 4.2-2-3 PARAMETERS FOR DISCIPLINE 2 CATEGORY 3

!

2	3	0	0	SOTYP
2	3	1	0	UPLST
2	3	2	0	UPLSM
2	3	3	0	LOWLSM
2	3	4	0	BOTLST
2	3	5	0	SOILL
2	3	6	0	RLYRS
2	3	7	0	SMREF
2	3	8	0	SMDRY
2	3	9	0	POROS
2	3	10	0	LIQVSM
2	3	11	0	VOLTSO
2	3	12	0	TRANSO
2	3	13	0	VOLDEC
2	3	14	0	DIREC
2	3	15	0	SOILP
2	3	16	0	VSOSM
2	3	17	0	SATOSM

```

!
  2  3  192  1 SOILL
  2  3  193  1 RLYRS
  2  3  194  1 SLTYP
  2  3  195  1 SMREF
  2  3  196  1 SMDRY
  2  3  197  1 POROS
  2  3  198  1 EVBS
  2  3  199  1 LSPA
  2  3  200  1 BARET
  2  3  201  1 AVSFT
  2  3  202  1 RADT
  2  3  203  1 FLDCP
!
! GRIB2 - TABLE 4.2-2-192 PARAMETERS FOR DISCIPLINE 2 CATEGORY 192
!
  2 192  192  1 FIRECRA
  2 192  193  1 FIREXCRA
  2 192  194  1 FIREDLA
!
! GRIB2 - TABLE 4.2-3-0 PARAMETERS FOR DISCIPLINE 3 CATEGORY 0
!
  3  0  0  0 SRAD
  3  0  1  0 SALBEDO
  3  0  2  0 SBTMP
  3  0  3  0 SPWAT
  3  0  4  0 SLFTI
  3  0  5  0 SCTPRES
  3  0  6  0 SSTMP
  3  0  7  0 CLOUDM
  3  0  8  0 PIXST
  3  0  9  0 FIREDI
!
! GRIB2 - TABLE 4.2-3-1 PARAMETERS FOR DISCIPLINE 3 CATEGORY 1
!
  3  1  0  0 ESTP
  3  1  1  0 IRRATE
  3  1  2  0 CTOPH
  3  1  3  0 CTOPHQI
  3  1  4  0 ESTUGRD
  3  1  5  0 ESTVGRD
  3  1  6  0 NPIXU
  3  1  7  0 SOLZA
  3  1  8  0 RAZA
  3  1  9  0 RFL06
  3  1  10  0 RFL08
  3  1  11  0 RFL16
  3  1  12  0 RFL39
  3  1  13  0 ATMDIV
!
  3  1  192  1 USCT
  3  1  193  1 VSCT
!
! GRIB2 - TABLE 4.2-3-192 PARAMETERS FOR DISCIPLINE 3 CATEGORY 192
!
  3 192  0  1 SBT122
  3 192  1  1 SBT123

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3 192      2  1 SBT124
3 192      3  1 SBT125
3 192      4  1 SBC123
3 192      5  1 SBC124
!
! GRIB2 - TABLE 4.2-10-0 PARAMETERS FOR DISCIPLINE 10 CATEGORY 0
!
10  0      0  0 WVSP1
10  0      1  0 WVSP2
10  0      2  0 WVSP3
10  0      3  0 HTSGW
10  0      4  0 WVDIR
10  0      5  0 WVHGT
10  0      6  0 WVPER
10  0      7  0 SWDIR
10  0      8  0 SWELL
10  0      9  0 SWPER
10  0     10  0 DIRPW
10  0     11  0 PERPW
10  0     12  0 DIRSW
10  0     13  0 PERSW
!
10  0     192  1 WSTP
!
! GRIB2 - TABLE 4.2-10-1 PARAMETERS FOR DISCIPLINE 10 CATEGORY 1
!
10  1      0  0 DIR_C
10  1      1  0 SP_C
10  1      2  0 UOGRD
10  1      3  0 VOGRD
!
10  1     192  1 OMLU
10  1     193  1 OMLV
10  1     194  1 UBARO
10  1     195  1 VBARO
!
! GRIB2 - TABLE 4.2-10-2 PARAMETERS FOR DISCIPLINE 10 CATEGORY 2
!
10  2      0  0 ICE_C
10  2      1  0 ICETK
10  2      2  0 DICED
10  2      3  0 SICED
10  2      4  0 UICE
10  2      5  0 VICE
10  2      6  0 ICE_G
10  2      7  0 ICE_D
10  2      8  0 ICE_T
!
! GRIB2 - TABLE 4.2-10-3 PARAMETERS FOR DISCIPLINE 10 CATEGORY 3
!
10  3      0  0 WTMP
10  3      1  0 DSL_M
!
10  3     192  1 SURGE
10  3     193  1 ETSRG
10  3     194  1 ELEV
10  3     195  1 SSHG

```

10	3	196	1	P2OMLT
10	3	197	1	AOHFLX
10	3	198	1	ASHFL
10	3	199	1	SSTT
10	3	200	1	SSST
10	3	201	1	KENG
10	3	202	1	SLTFL
10	3	242	1	TCSR20
10	3	243	1	TCSR30
10	3	244	1	TCSR40
10	3	245	1	TCSR50
10	3	246	1	TCSR60
10	3	247	1	TCSR70
10	3	248	1	TCSR80
10	3	249	1	TCSR90

!

! GRIB2 - TABLE 4.2-10-4 PARAMETERS FOR DISCIPLINE 10 CATEGORY 4

!

10	4	0	0	MTHD
10	4	1	0	MTHA
10	4	2	0	TTHDP
10	4	3	0	SALTY

!

10	4	192	1	WTMPC
10	4	193	1	SALIN
10	4	194	1	BKENG
10	4	195	1	DBSS
10	4	196	1	INTFD
10	4	197	1	OHC

!

! GRIB2 - TABLE 4.2-10-191 PARAMETERS FOR DISCIPLINE 10 CATEGORY 191

!

10	191	0	1	TSEC
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