

## 0.1 Global mean budget

Left column shows global mean fluxes by DCPAM, and right column shows those by Trenberth et al. (2009).

PRCP	:	49.544299292281366 W m <sup>-2</sup> ,	80
EvapU	:	49.54418761323889 W m <sup>-2</sup> ,	80
SensA	:	12.3102972799782 W m <sup>-2</sup> ,	17
SLRA	:	278.279515103301 W m <sup>-2</sup> ,	63
SSRA	:	-340.1339979604238 W m <sup>-2</sup> ,	-161
OLRA	:	340.29938393573303 W m <sup>-2</sup> ,	239
OSRA	:	-340.1339979604238 W m <sup>-2</sup> ,	-239
Heating:		-0.16538313724117737 W m <sup>-2</sup>	
Water	:	-7.968571690669883e-09 kg m <sup>-2</sup> s <sup>-1</sup>	

## **0.2 Figures**

Data from 1988 to 2007 are used for NCEP reanalysis, NOAA Interpolated OLR, and GPCP, and those from 1982 to 2001 are used for ECMWF reanalysis.

### **0.2.1 Annual and zonal mean latitudinal distribution**

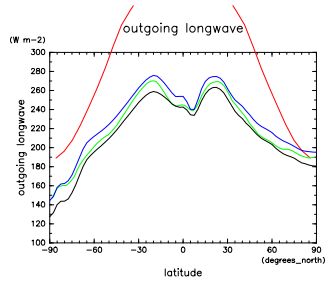


Figure 1: Annual average OLRA by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

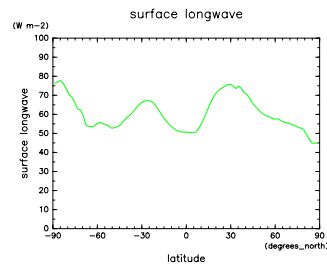


Figure 4: Annual average SLRA by DCPAM (red), NCEP (green)

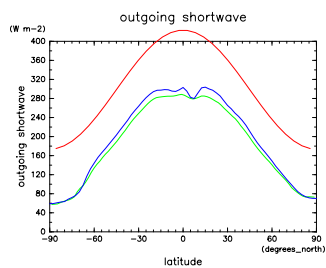


Figure 2: Annual average OSRA by DCPAM (red), NCEP (green), and ECMWF (blue)

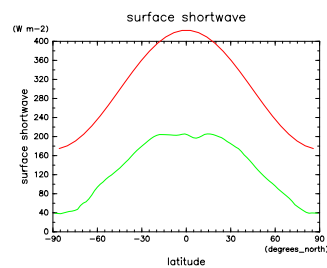


Figure 5: Annual average SSRA by DCPAM (red), NCEP (green)

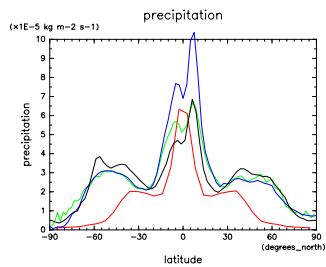


Figure 3: Annual average PRCP by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

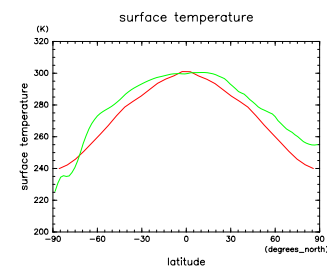


Figure 6: Annual average SurfTemp by DCPAM (red), NCEP (skt) (green)

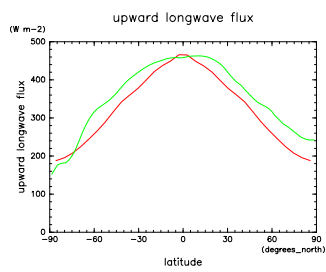


Figure 7: Annual average SLURA by DCPAM (red), NCEP (green)

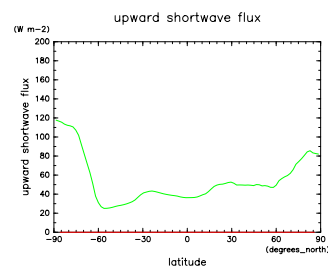


Figure 9: Annual average SSURA by DCPAM (red), NCEP (green)

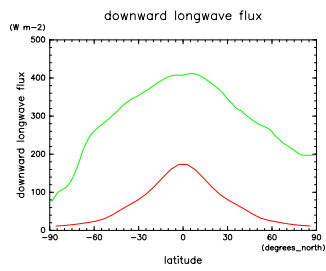


Figure 8: Annual average SLDRA by DCPAM (red), NCEP (green)

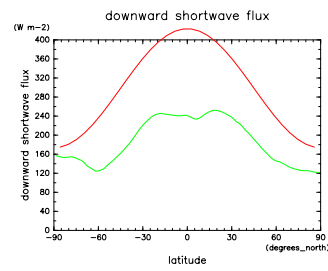


Figure 10: Annual average SSDRA by DCPAM (red), NCEP (green)

## 0.2.2 Annual mean longitude-latitude distribution

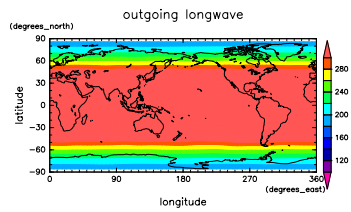


Figure 11: Annual mean OLR by DC-PAM

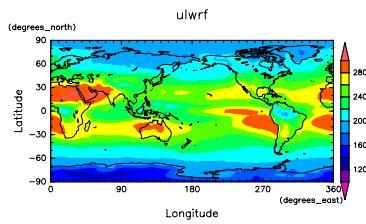


Figure 12: Annual mean OLR by NCEP

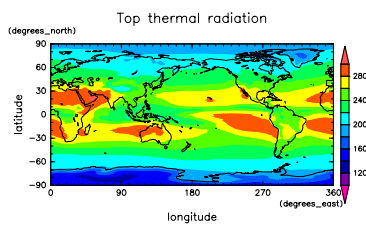


Figure 13: Annual mean OLR by ECMWF

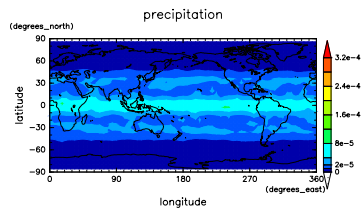


Figure 14: Annual mean Rain by DC-PAM

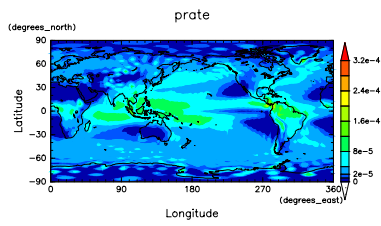


Figure 15: Annual mean Rain by NCEP

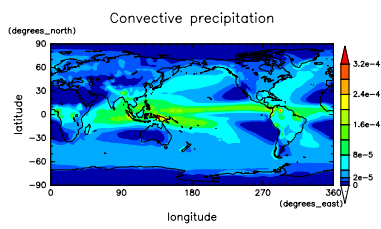


Figure 16: Annual mean Rain by ECMWF

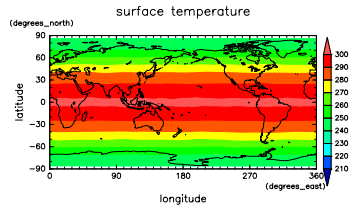


Figure 17: Annual mean SurfTemp by DCPAM



Figure 18: Annual mean skt by NCEP



### 0.2.3 Annual mean latitude-pressure (linear) distribution

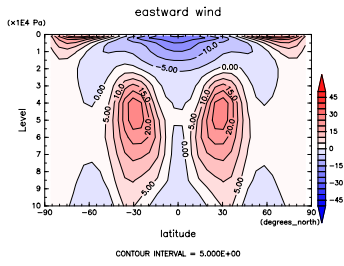


Figure 19: Annual mean U by DC-PAM

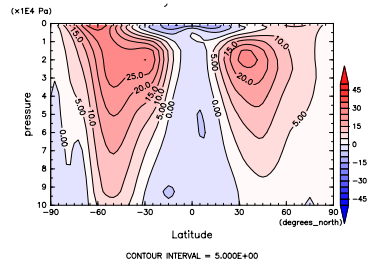


Figure 20: Annual mean U by NCEP

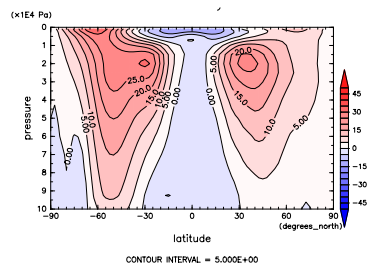


Figure 21: Annual mean U by ECMWF

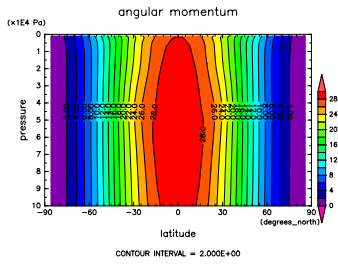


Figure 22: Annual mean ANG MOM by DCPAM

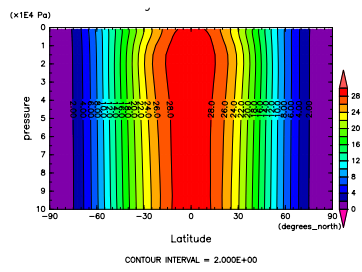


Figure 23: Annual mean ANG MOM by NCEP

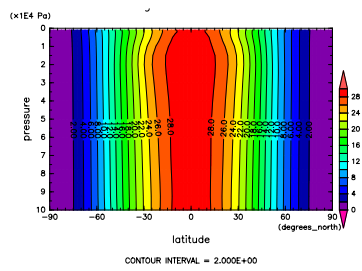


Figure 24: Annual mean ANG MOM by ECMWF

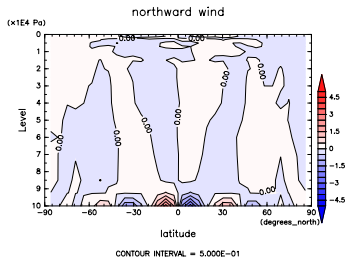


Figure 25: Annual mean V by DC-PAM

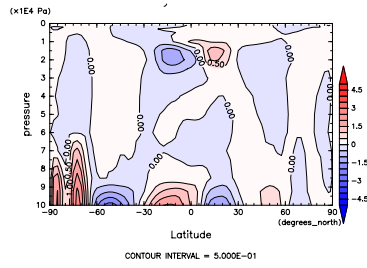


Figure 26: Annual mean V by NCEP

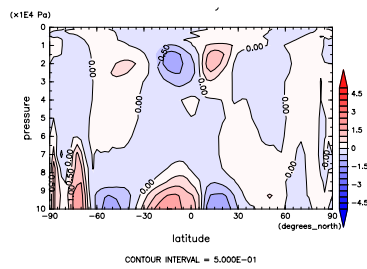


Figure 27: Annual mean V by ECMWF

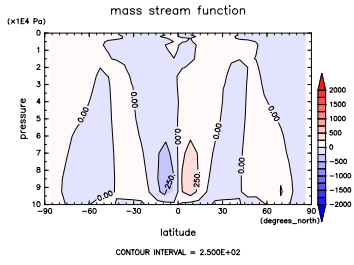


Figure 28: Annual mean MSF by DC-PAM

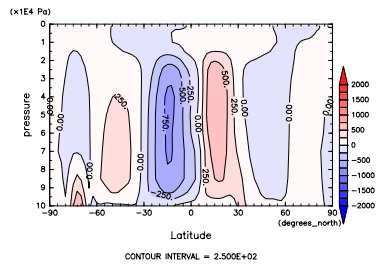


Figure 29: Annual mean MSF by NCEP

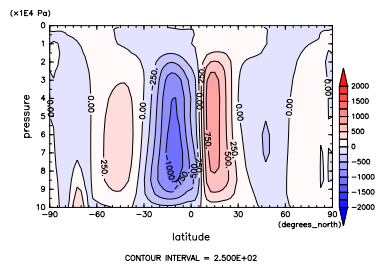


Figure 30: Annual mean MSF by ECMWF

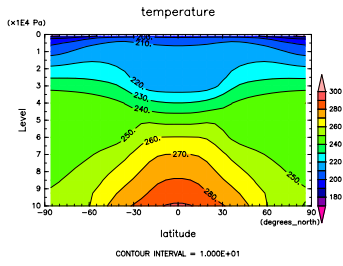


Figure 31: Annual mean T by DC-PAM

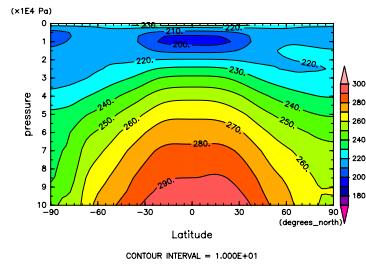


Figure 32: Annual mean T by NCEP



Figure 33: Annual mean T by ECMWF

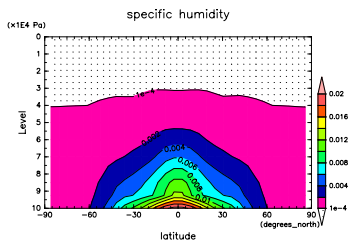


Figure 34: Annual mean q by DCPAM

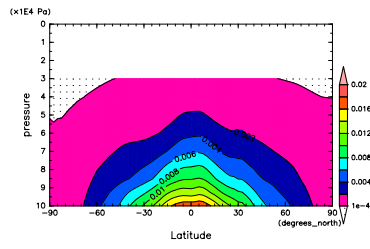


Figure 35: Annual mean q by NCEP

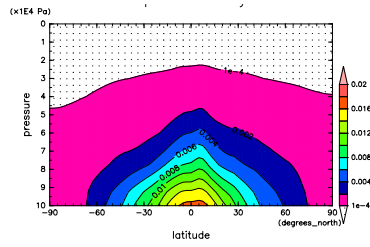


Figure 36: Annual mean q by ECMWF

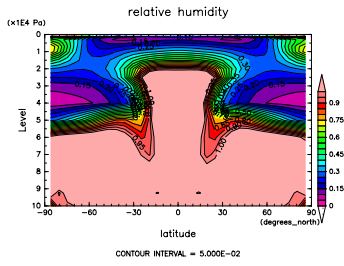


Figure 37: Annual mean RH by DC-PAM

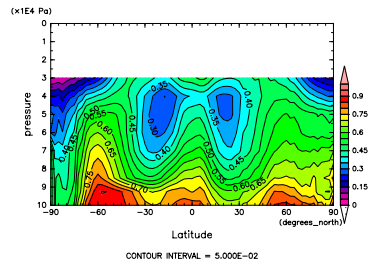


Figure 38: Annual mean RH by NCEP



Figure 39: Annual mean RH by ECMWF





Figure 40: Annual mean  $q_l$  by DC-PAM



Figure 41: Annual mean  $q_i$  by DC-PAM

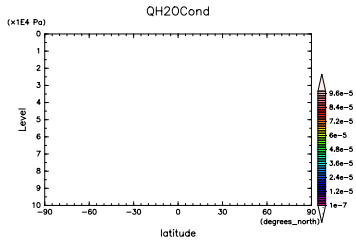


Figure 42: Annual mean  $q_l + q_i$  by DC-PAM

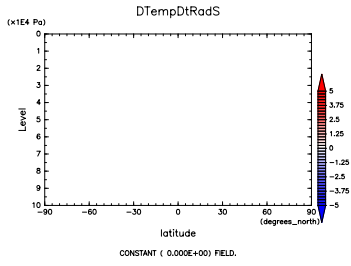


Figure 43: Annual mean  $(\partial T/\partial t)_{sw}$  by DCPAM

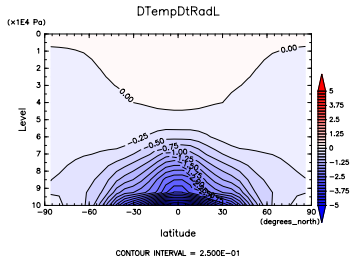


Figure 44: Annual mean  $(\partial T/\partial t)_{LW}$  by DCPAM

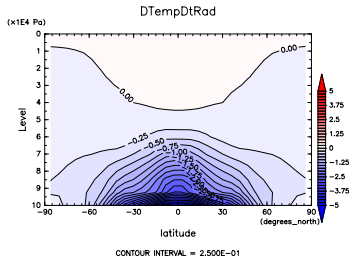


Figure 45: Annual mean  $(\partial T / \partial t)_{SW+LW}$  by DCPAM

#### 0.2.4 Annual mean latitude-pressure (logarithmic) distribution

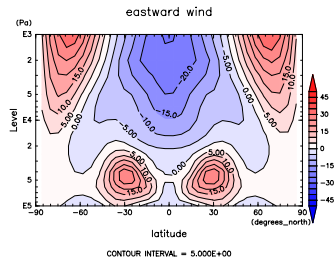


Figure 46: Annual mean U by DC-PAM

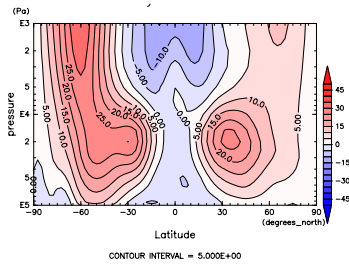


Figure 47: Annual mean U by NCEP

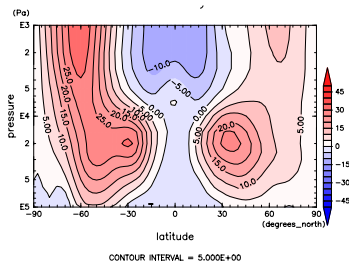


Figure 48: Annual mean U by ECMWF



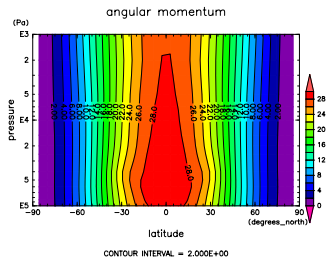


Figure 49: Annual mean ANG MOM by DCPAM



Figure 50: Annual mean ANG MOM by NCEP



Figure 51: Annual mean ANG MOM by ECMWF

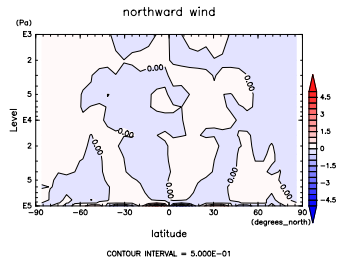


Figure 52: Annual mean V by DC-PAM

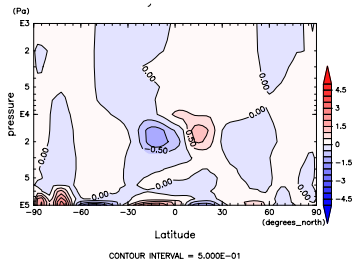


Figure 53: Annual mean V by NCEP

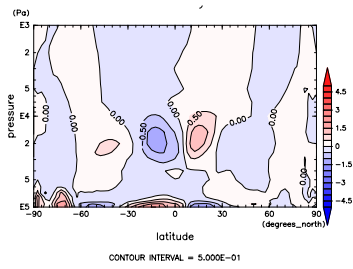


Figure 54: Annual mean V by ECMWF

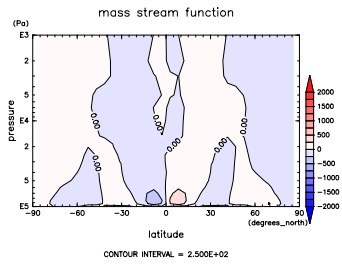


Figure 55: Annual mean MSF by DC-PAM



Figure 56: Annual mean MSF by NCEP

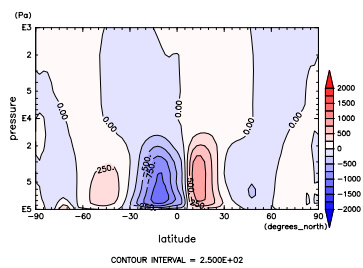


Figure 57: Annual mean MSF by ECMWF

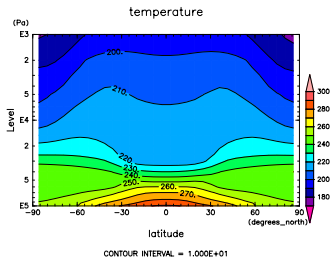


Figure 58: Annual mean T by DC-PAM

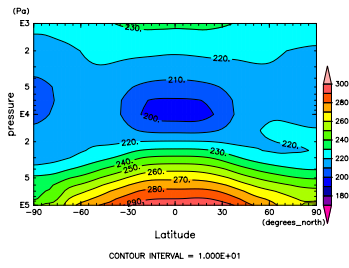


Figure 59: Annual mean T by NCEP

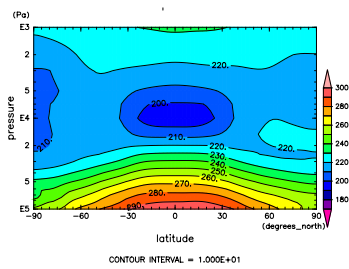


Figure 60: Annual mean T by ECMWF

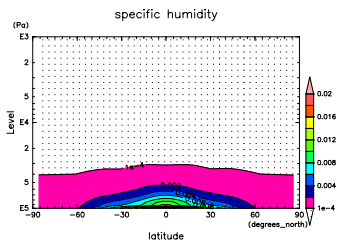


Figure 61: Annual mean q by DCPAM

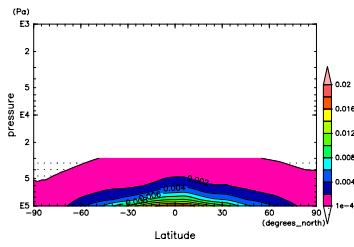


Figure 62: Annual mean q by NCEP

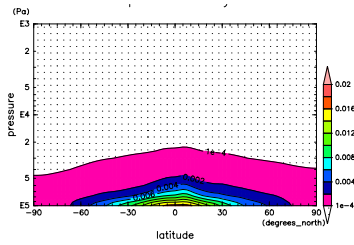


Figure 63: Annual mean q by ECMWF

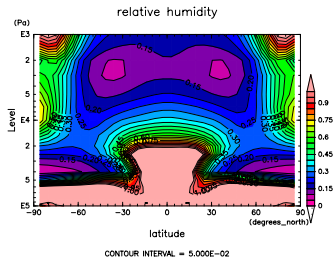


Figure 64: Annual mean RH by DC-PAM

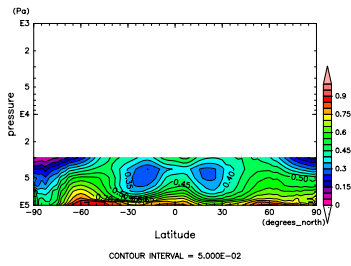


Figure 65: Annual mean RH by NCEP

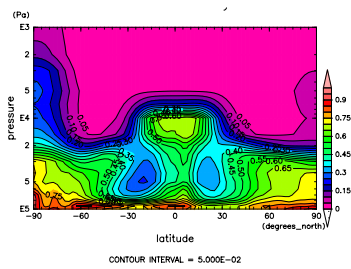


Figure 66: Annual mean RH by ECMWF

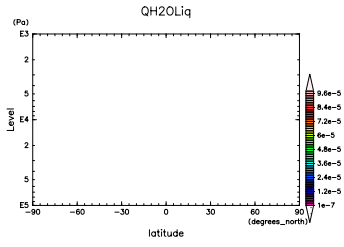


Figure 67: Annual mean  $q_l$  by DC-PAM

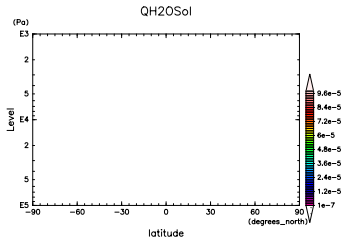


Figure 68: Annual mean  $q_i$  by DC-PAM





Figure 69: Annual mean  $q_l + q_i$  by DC-PAM

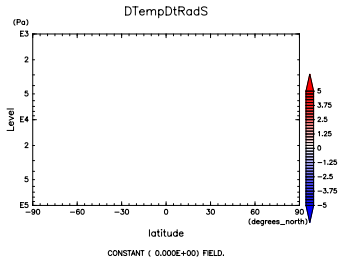


Figure 70: Annual mean  $(\partial T/\partial t)_{sw}$  by DCPAM

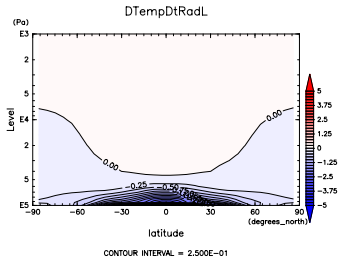


Figure 71: Annual mean  $(\partial T/\partial t)_{LW}$  by DCPAM

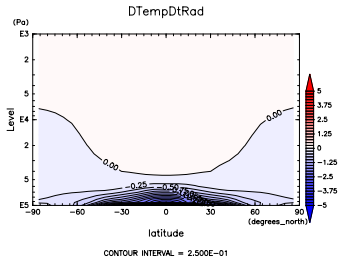


Figure 72: Annual mean  $(\partial T/\partial t)_{SW+LW}$  by DCPAM

### 0.2.5 Monthly and zonal mean latitudinal distribution

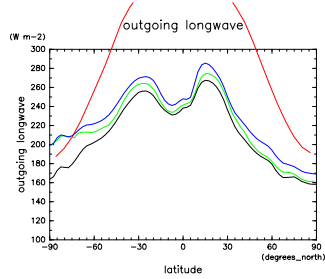


Figure 73: OLRA at Jan. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

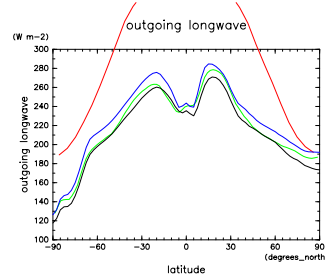


Figure 76: OLRA at Apr. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

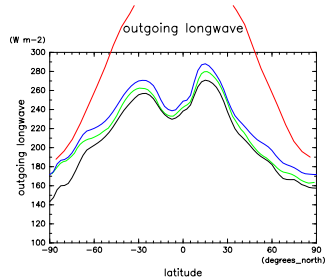


Figure 74: OLRA at Feb. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

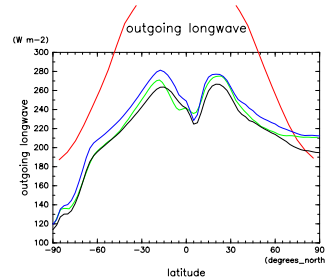


Figure 77: OLRA at May by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

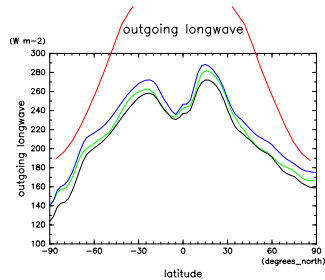


Figure 75: OLRA at Mar. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

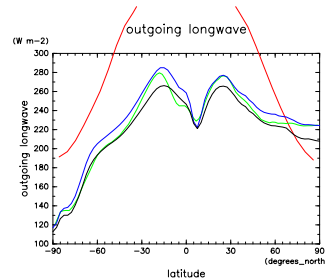


Figure 78: OLRA at Jun. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

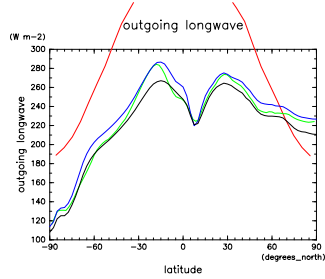


Figure 79: OLRA at Jul. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

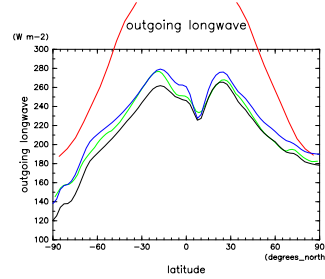


Figure 82: OLRA at Oct. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

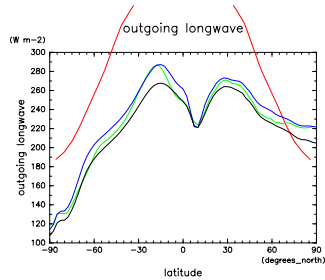


Figure 80: OLRA at Aug. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

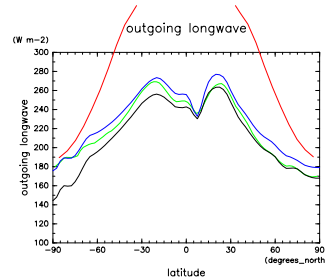


Figure 83: OLRA at Nov. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

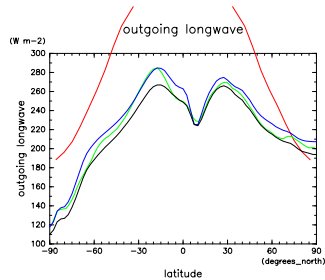


Figure 81: OLRA at Sep. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

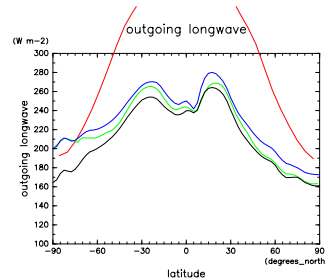


Figure 84: OLRA at Dec. by DCPAM (red), NCEP (green), ECMWF (blue), and NOAA Interpolated OLR (black)

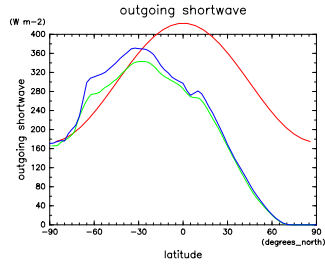


Figure 85: OSRA at Jan. by DCPAM (red), NCEP (green), and ECMWF (blue)

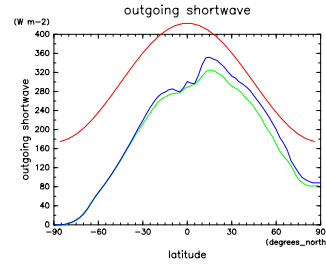


Figure 88: OSRA at Apr. by DCPAM (red), NCEP (green), and ECMWF (blue)

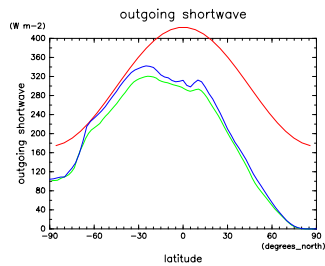


Figure 86: OSRA at Feb. by DCPAM (red), NCEP (green), and ECMWF (blue)

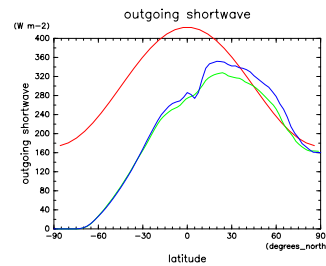


Figure 89: OSRA at May by DCPAM (red), NCEP (green), and ECMWF (blue)

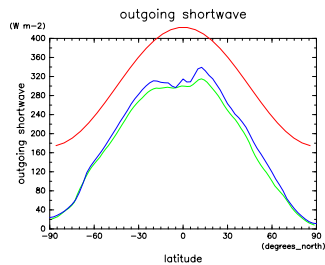


Figure 87: OSRA at Mar. by DCPAM (red), NCEP (green), and ECMWF (blue)

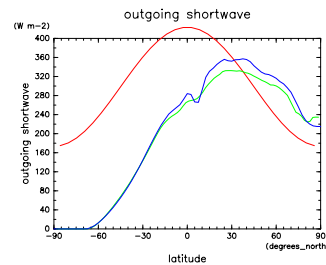


Figure 90: OSRA at Jun. by DCPAM (red), NCEP (green), and ECMWF (blue)



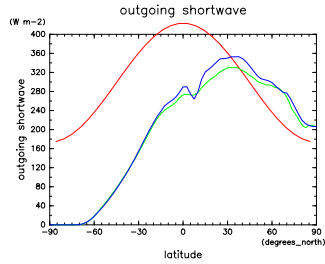


Figure 91: OSRA at Jul. by DCPAM (red), NCEP (green), and ECMWF (blue)

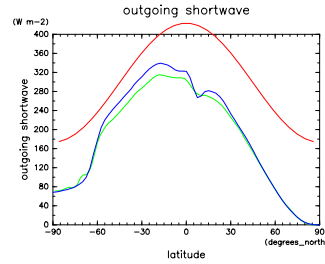


Figure 94: OSRA at Oct. by DCPAM (red), NCEP (green), and ECMWF (blue)

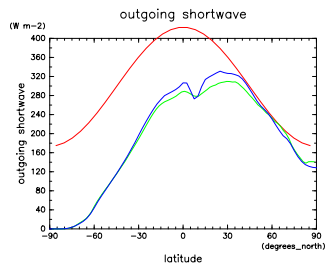


Figure 92: OSRA at Aug. by DCPAM (red), NCEP (green), and ECMWF (blue)

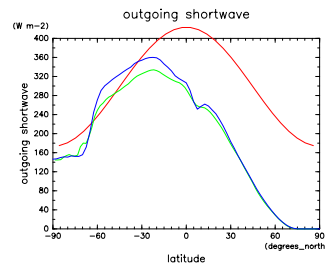


Figure 95: OSRA at Nov. by DCPAM (red), NCEP (green), and ECMWF (blue)

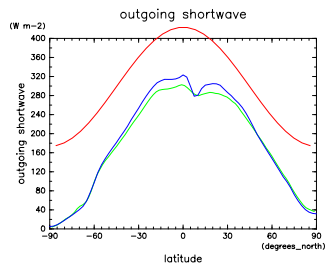


Figure 93: OSRA at Sep. by DCPAM (red), NCEP (green), and ECMWF (blue)

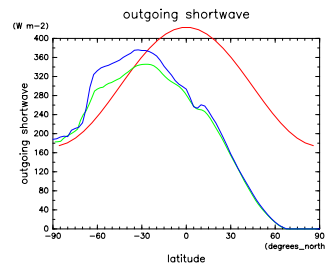


Figure 96: OSRA at Dec. by DCPAM (red), NCEP (green), and ECMWF (blue)

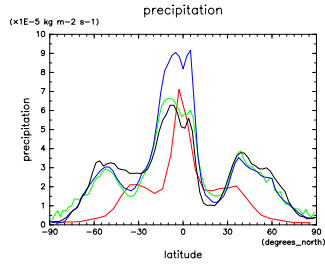


Figure 97: Rain at Jan. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

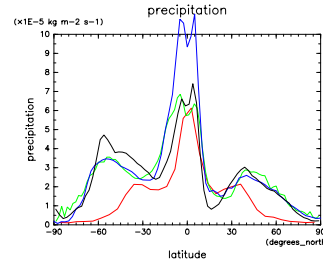


Figure 100: Rain at Apr. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

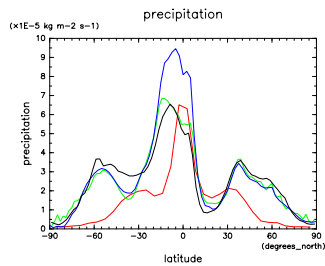


Figure 98: Rain at Feb. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

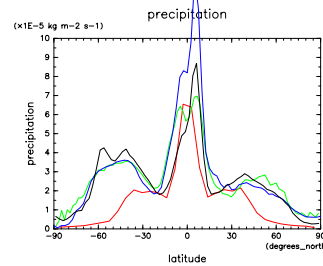


Figure 101: Rain at May by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

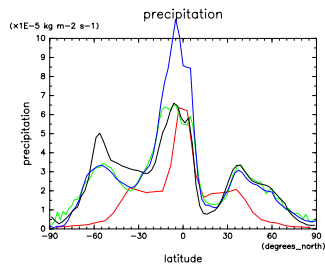


Figure 99: Rain at Mar. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

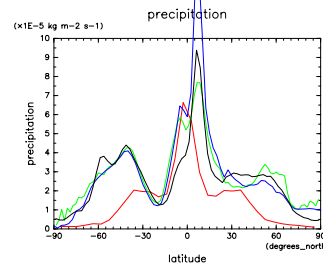


Figure 102: Rain at Jun. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

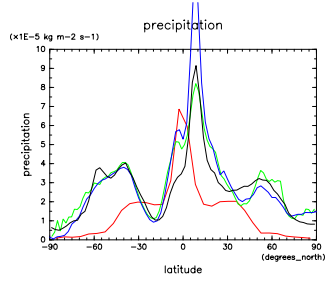


Figure 103: Rain at Jul. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

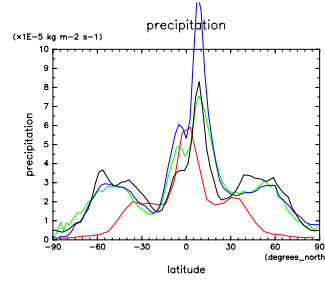


Figure 106: Rain at Oct. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

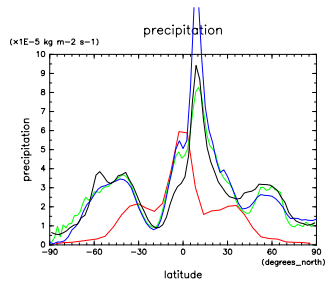


Figure 104: Rain at Aug. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

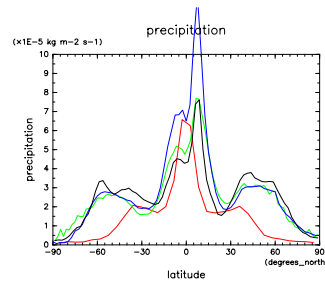


Figure 107: Rain at Nov. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

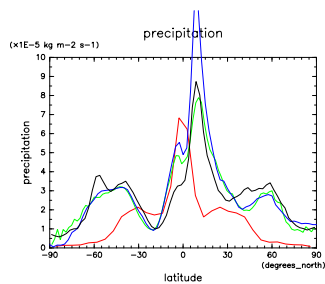


Figure 105: Rain at Sep. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

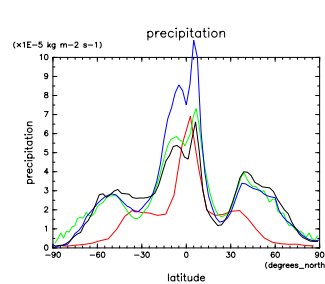


Figure 108: Rain at Dec. by DCPAM (red), NCEP (green), ECMWF (blue), and GPCP (black)

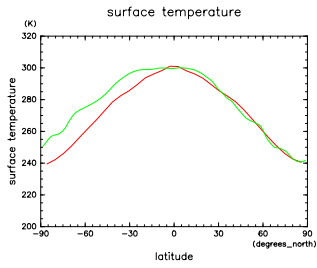


Figure 109: SurfTemp at Jan. by DC-PAM (red), NCEP (skt) (green)

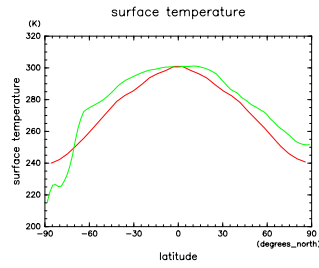


Figure 112: SurfTemp at Apr. by DC-PAM (red), NCEP (skt) (green)

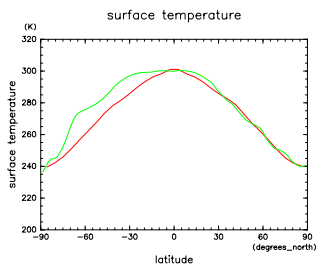


Figure 110: SurfTemp at Feb. by DC-PAM (red), NCEP (skt) (green)

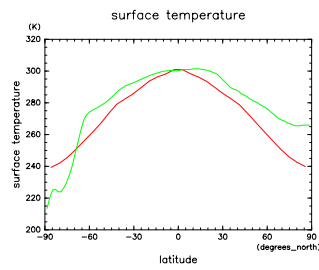


Figure 113: SurfTemp at May by DC-PAM (red), NCEP (skt) (green)

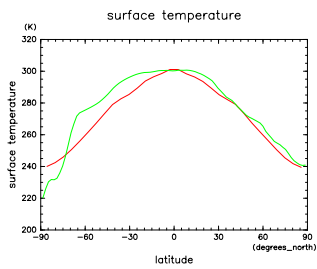


Figure 111: SurfTemp at Mar. by DC-PAM (red), NCEP (skt) (green)

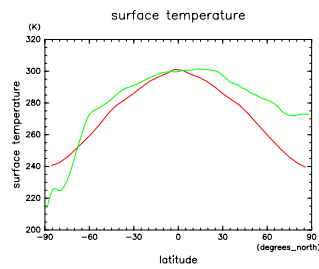


Figure 114: SurfTemp at Jun. by DC-PAM (red), NCEP (skt) (green)

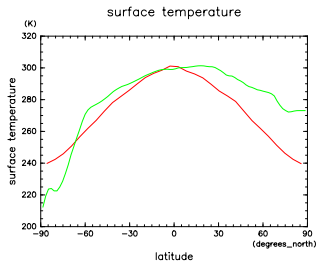


Figure 115: SurfTemp at Jul. by DC-PAM (red), NCEP (skt) (green)

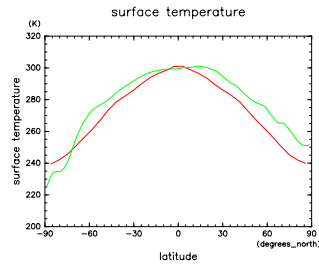


Figure 118: SurfTemp at Oct. by DC-PAM (red), NCEP (skt) (green)

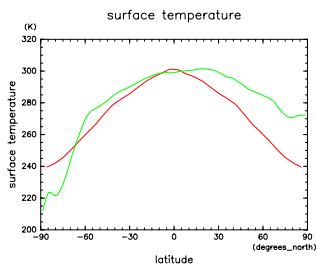


Figure 116: SurfTemp at Aug. by DC-PAM (red), NCEP (skt) (green)

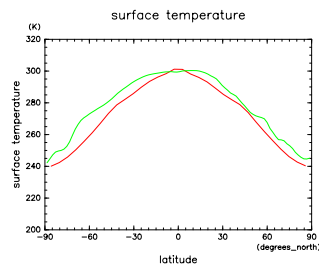


Figure 119: SurfTemp at Nov. by DC-PAM (red), NCEP (skt) (green)

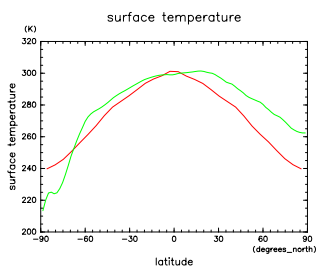


Figure 117: SurfTemp at Sep. by DC-PAM (red), NCEP (skt) (green)

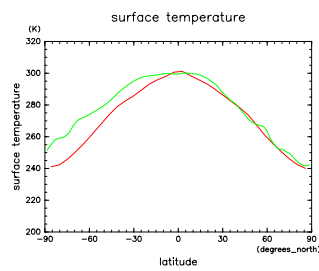


Figure 120: SurfTemp at Dec. by DC-PAM (red), NCEP (skt) (green)

### 0.2.6 Monthly mean longitude-latitude distribution

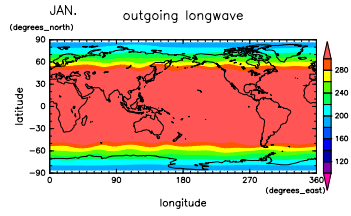


Figure 121: OLR at Jan. by DCPAM

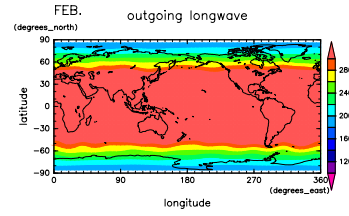


Figure 124: OLR at Feb. by DCPAM

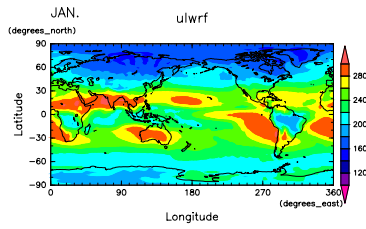


Figure 122: OLR at Jan. by NCEP

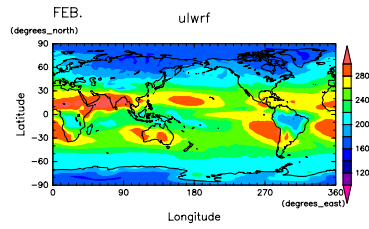


Figure 125: OLR at Feb. by NCEP

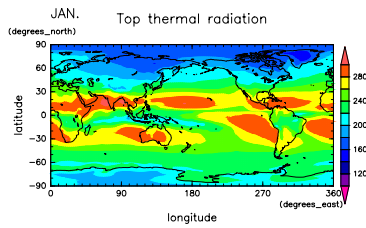


Figure 123: OLR at Jan. by ECMWF

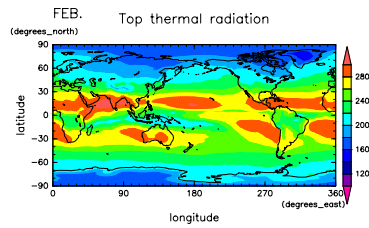


Figure 126: OLR at Feb. by ECMWF

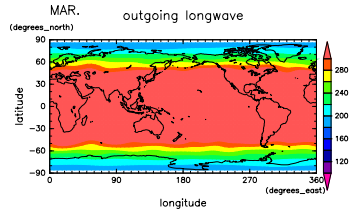


Figure 127: OLR at Mar. by DCPAM

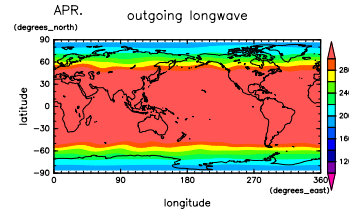


Figure 130: OLR at Apr. by DCPAM

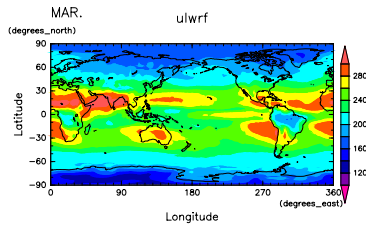


Figure 128: OLR at Mar. by NCEP

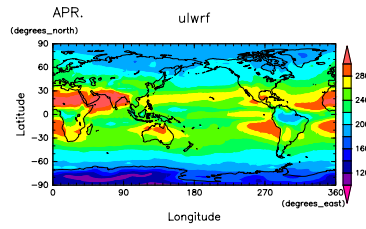


Figure 131: OLR at Apr. by NCEP

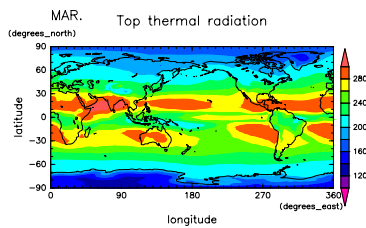


Figure 129: OLR at Mar. by ECMWF

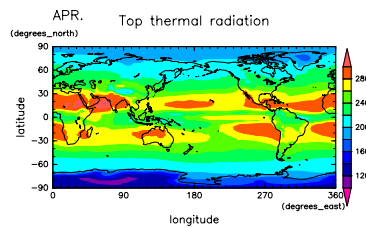


Figure 132: OLR at Apr. by ECMWF



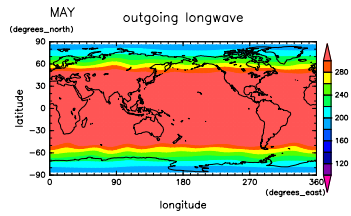


Figure 133: OLR at May by DCPAM

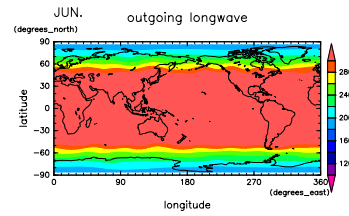


Figure 136: OLR at Jun. by DCPAM



Figure 134: OLR at May by NCEP

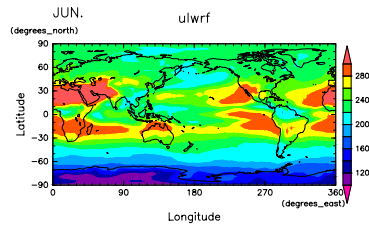


Figure 137: OLR at Jun. by NCEP

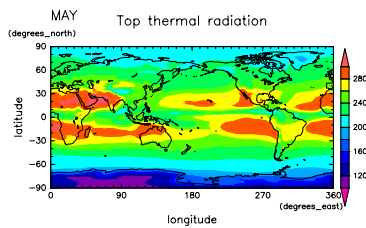


Figure 135: OLR at May by ECMWF

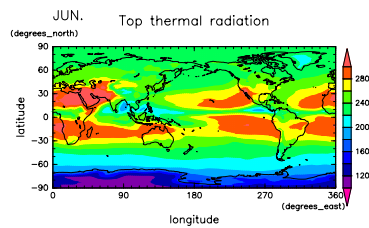


Figure 138: OLR at Jun. by ECMWF

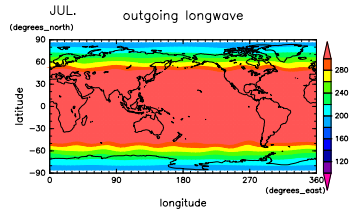


Figure 139: OLR at Jul. by DCPAM

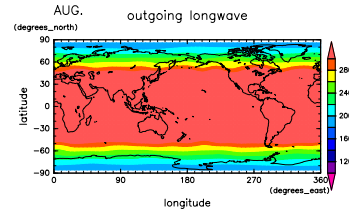


Figure 142: OLR at Aug. by DCPAM



Figure 140: OLR at Jul. by NCEP



Figure 143: OLR at Aug. by NCEP

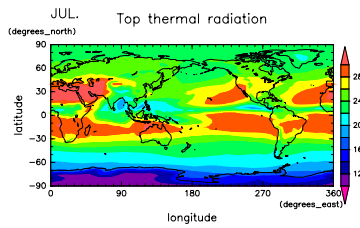


Figure 141: OLR at Jul. by ECMWF

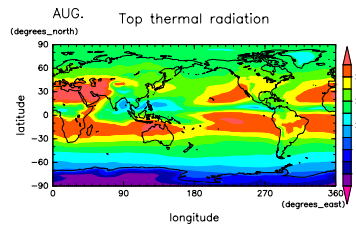


Figure 144: OLR at Aug. by ECMWF

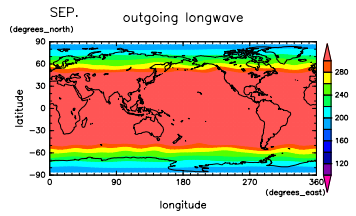


Figure 145: OLR at Sep. by DCPAM

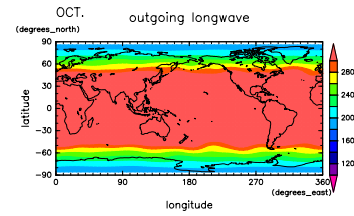


Figure 148: OLR at Oct. by DCPAM

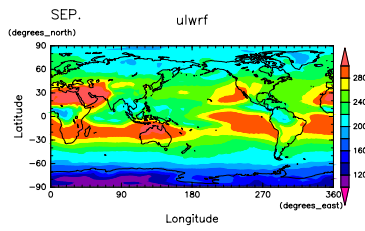


Figure 146: OLR at Sep. by NCEP

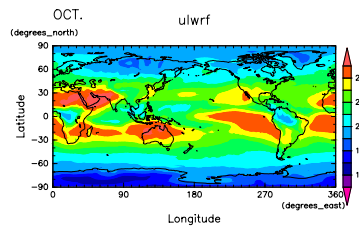


Figure 149: OLR at Oct. by NCEP

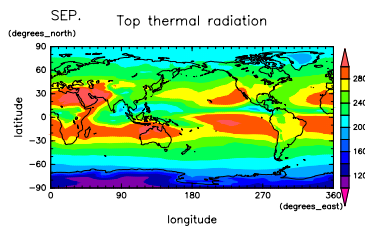


Figure 147: OLR at Sep. by ECMWF

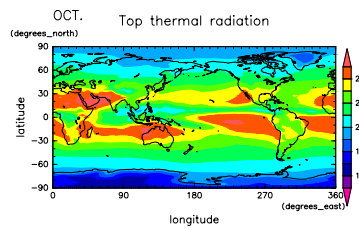


Figure 150: OLR at Oct. by ECMWF

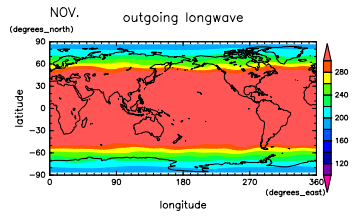


Figure 151: OLR at Nov. by DCPAM

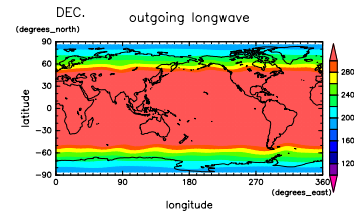


Figure 154: OLR at Dec. by DCPAM

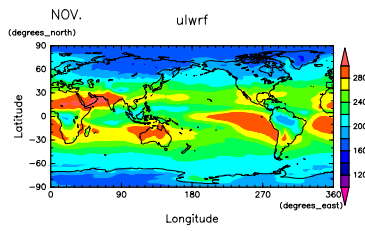


Figure 152: OLR at Nov. by NCEP

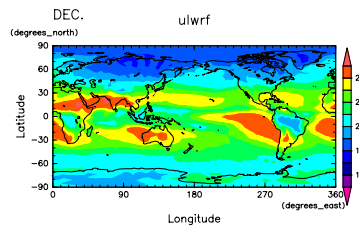


Figure 155: OLR at Dec. by NCEP

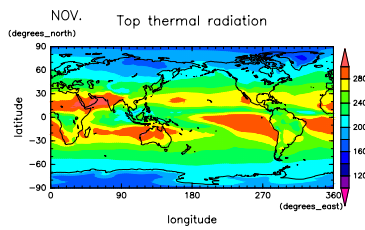


Figure 153: OLR at Nov. by ECMWF

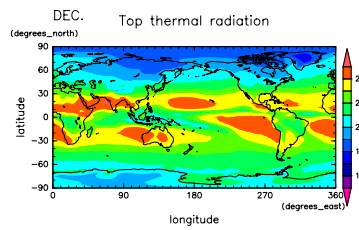


Figure 156: OLR at Dec. by ECMWF

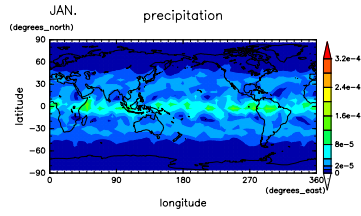


Figure 157: Rain at Jan. by DCPAM

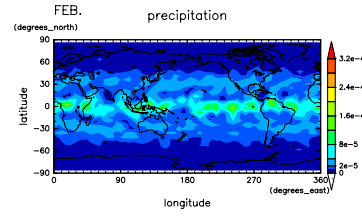


Figure 160: Rain at Feb. by DCPAM

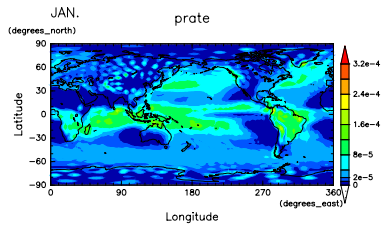


Figure 158: Rain at Jan. by NCEP

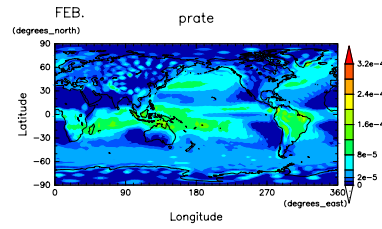


Figure 161: Rain at Feb. by NCEP

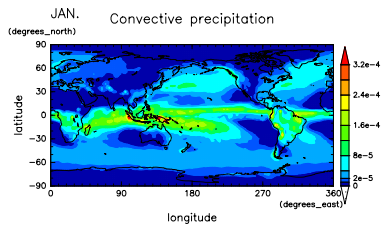


Figure 159: Rain at Jan. by ECMWF

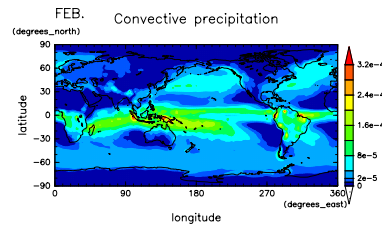


Figure 162: Rain at Feb. by ECMWF

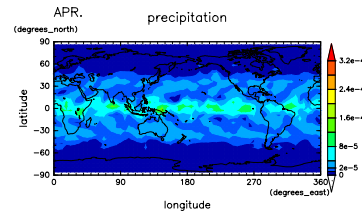
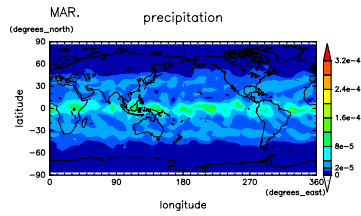


Figure 163: Rain at Mar. by DCPAM    Figure 166: Rain at Apr. by DCPAM

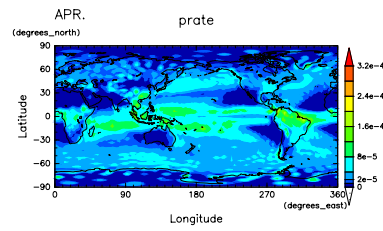
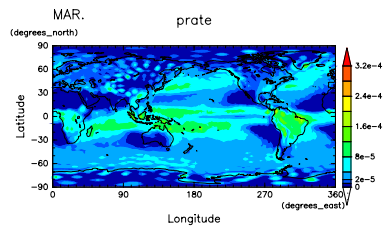


Figure 164: Rain at Mar. by NCEP    Figure 167: Rain at Apr. by NCEP

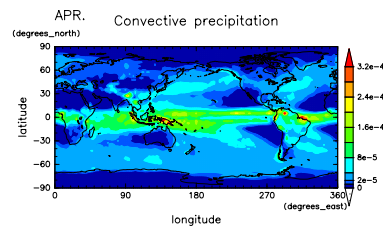
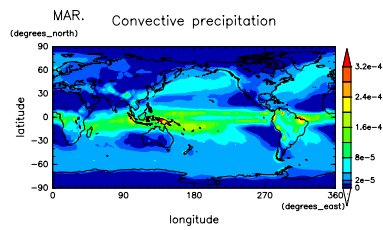


Figure 165: Rain at Mar. by ECMWF    Figure 168: Rain at Apr. by ECMWF

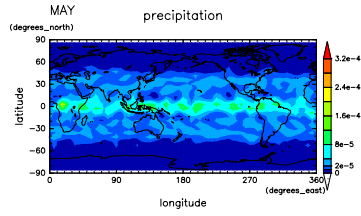


Figure 169: Rain at May by DCPAM

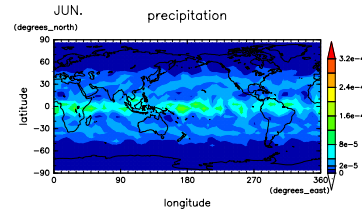


Figure 172: Rain at Jun. by DCPAM

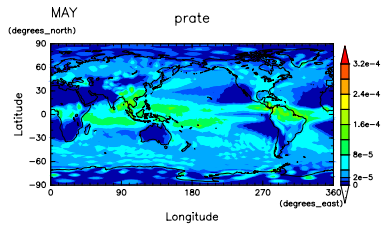


Figure 170: Rain at May by NCEP

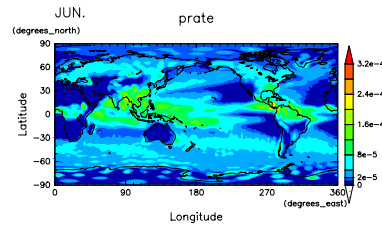


Figure 173: Rain at Jun. by NCEP

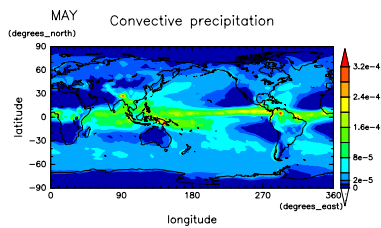


Figure 171: Rain at May by ECMWF

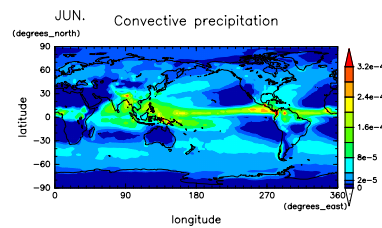


Figure 174: Rain at Jun. by ECMWF

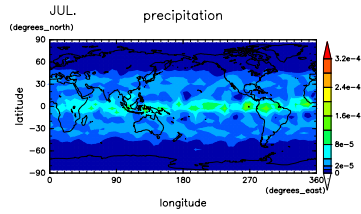


Figure 175: Rain at Jul. by DCPAM

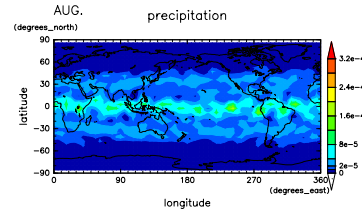


Figure 178: Rain at Aug. by DCPAM



Figure 176: Rain at Jul. by NCEP

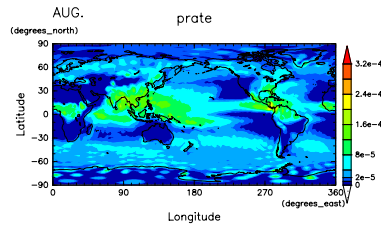


Figure 179: Rain at Aug. by NCEP



Figure 177: Rain at Jul. by ECMWF

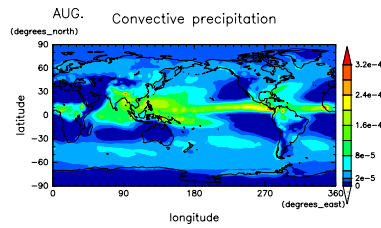


Figure 180: Rain at Aug. by ECMWF



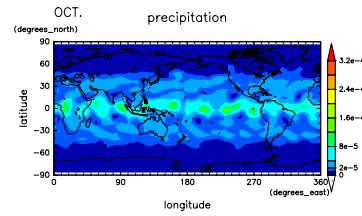
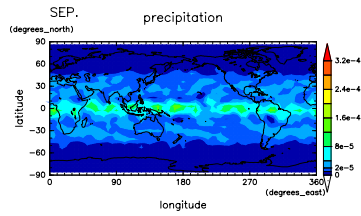


Figure 181: Rain at Sep. by DCPAM    Figure 184: Rain at Oct. by DCPAM

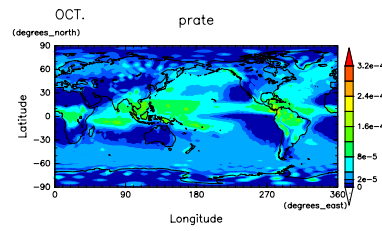
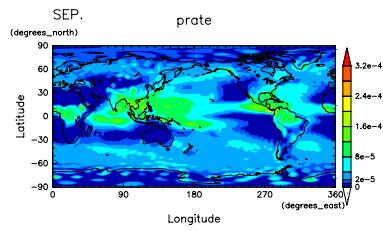


Figure 182: Rain at Sep. by NCEP

Figure 185: Rain at Oct. by NCEP

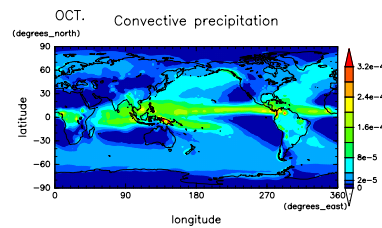
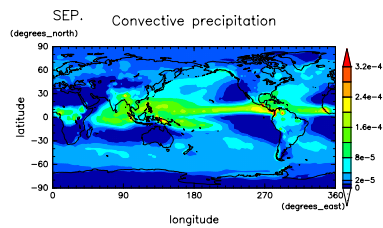


Figure 183: Rain at Sep. by ECMWF

Figure 186: Rain at Oct. by ECMWF

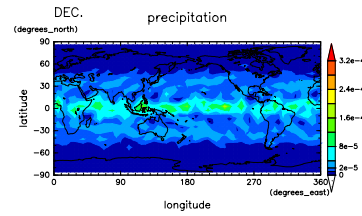
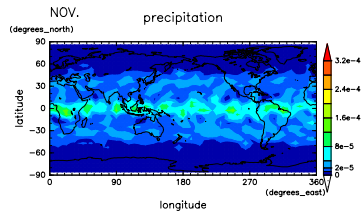


Figure 187: Rain at Nov. by DCPAM    Figure 190: Rain at Dec. by DCPAM

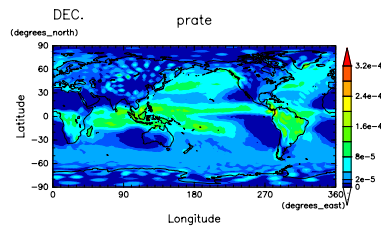
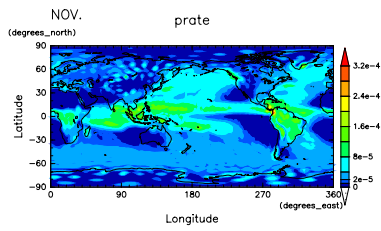


Figure 188: Rain at Nov. by NCEP    Figure 191: Rain at Dec. by NCEP

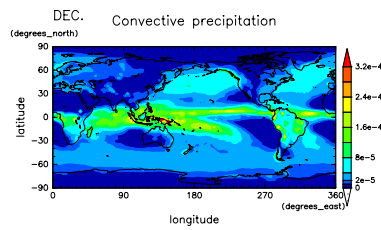
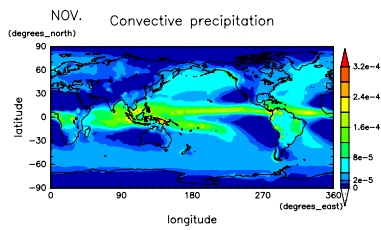


Figure 189: Rain at Nov. by ECMWF    Figure 192: Rain at Dec. by ECMWF

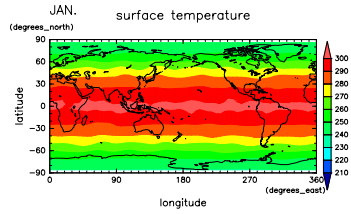


Figure 193: SurfTemp at Jan. by DC-PAM

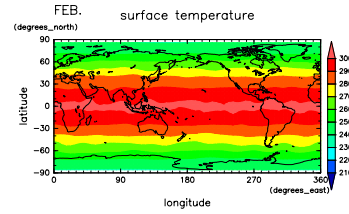


Figure 195: SurfTemp at Feb. by DC-PAM

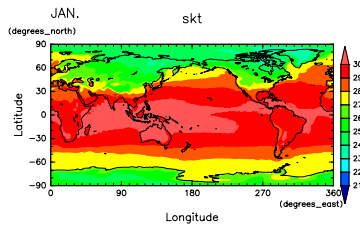


Figure 194: skt at Jan. by NCEP

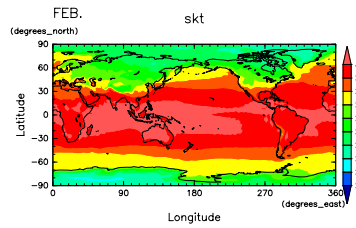


Figure 196: skt at Feb. by NCEP

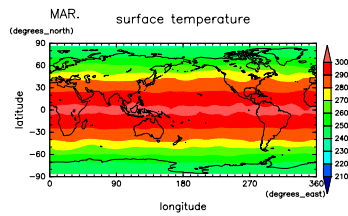


Figure 197: SurfTemp at Mar. by DC-PAM

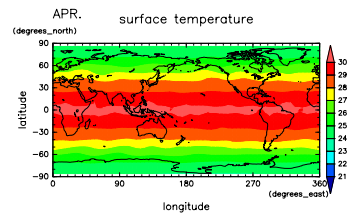


Figure 199: SurfTemp at Apr. by DC-PAM

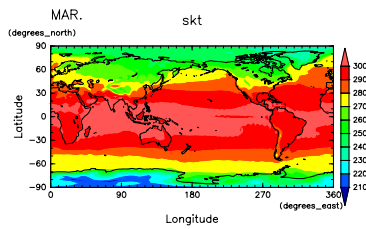


Figure 198: skt at Mar. by NCEP



Figure 200: skt at Apr. by NCEP

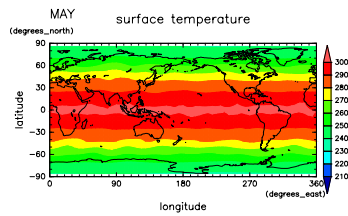


Figure 201: SurfTemp at May by DC-PAM

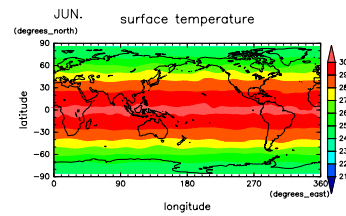


Figure 203: SurfTemp at Jun. by DC-PAM

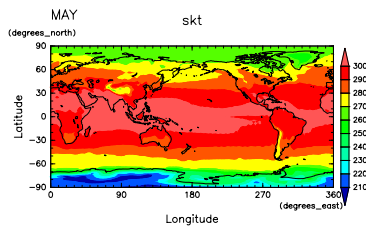


Figure 202: skt at May by NCEP

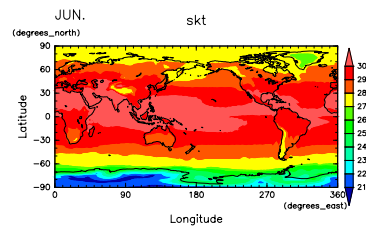


Figure 204: skt at Jun. by NCEP

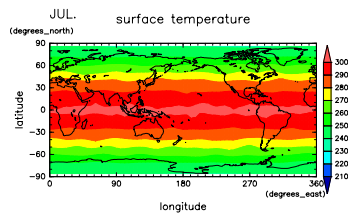


Figure 205: SurfTemp at Jul. by DC-PAM

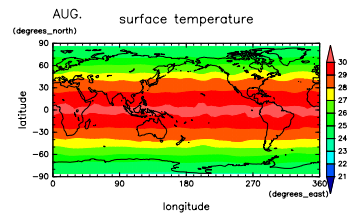


Figure 207: SurfTemp at Aug. by DC-PAM

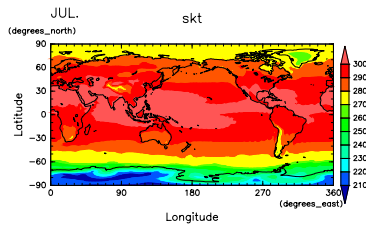


Figure 206: skt at Jul. by NCEP

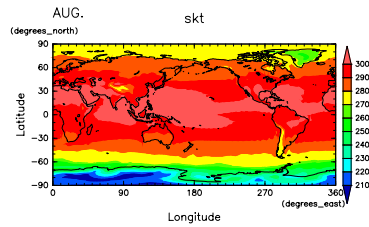


Figure 208: skt at Aug. by NCEP

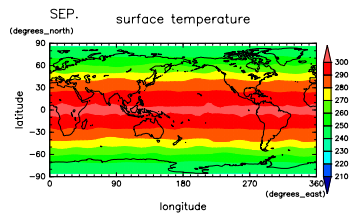


Figure 209: SurfTemp at Sep. by DC-PAM

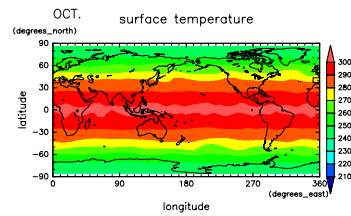


Figure 211: SurfTemp at Oct. by DC-PAM

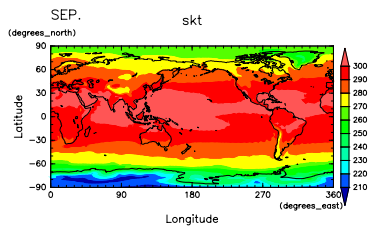


Figure 210: skt at Sep. by NCEP



Figure 212: skt at Oct. by NCEP

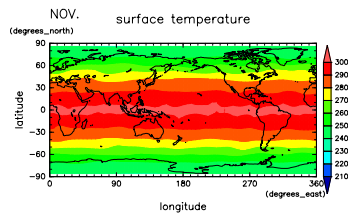


Figure 213: SurfTemp at Nov. by DC-PAM

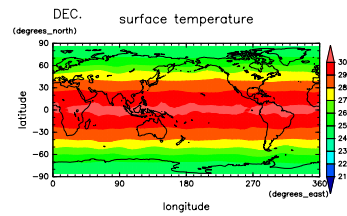


Figure 215: SurfTemp at Dec. by DC-PAM

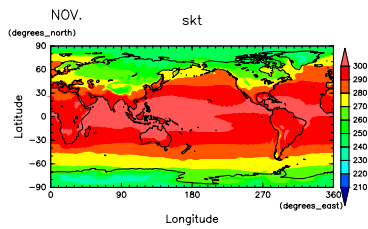


Figure 214: skt at Nov. by NCEP

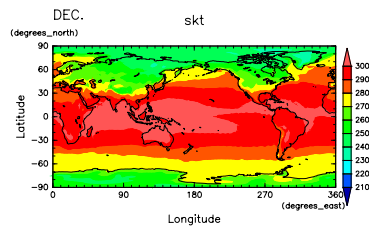


Figure 216: skt at Dec. by NCEP



### 0.2.7 Monthly mean latitude-pressure (linear) distribution

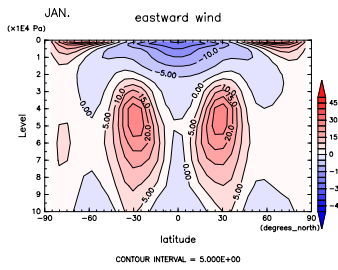


Figure 217: U at Jan. by DCPAM

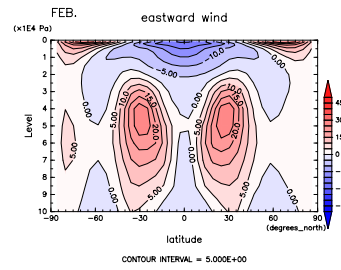


Figure 220: U at Feb. by DCPAM

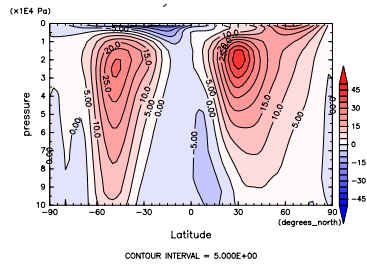


Figure 218: U at Jan. by NCEP

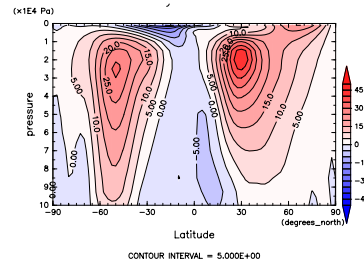


Figure 221: U at Feb. by NCEP

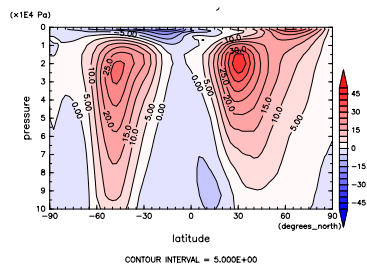


Figure 219: U at Jan. by ECMWF

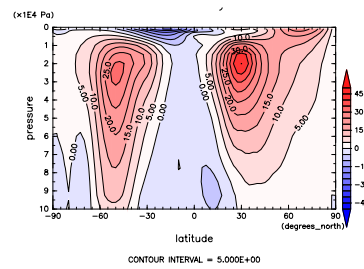


Figure 222: U at Feb. by ECMWF

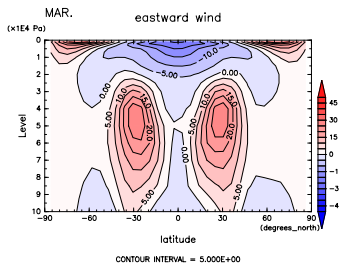


Figure 223: U at Mar. by DCPAM

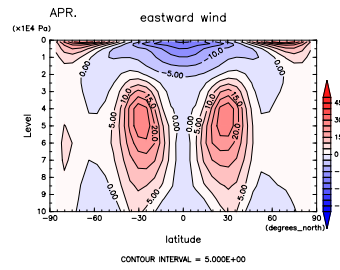


Figure 226: U at Apr. by DCPAM

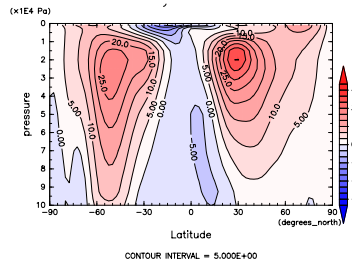


Figure 224: U at Mar. by NCEP

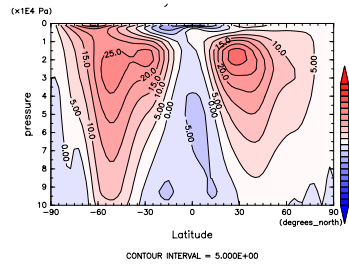


Figure 227: U at Apr. by NCEP

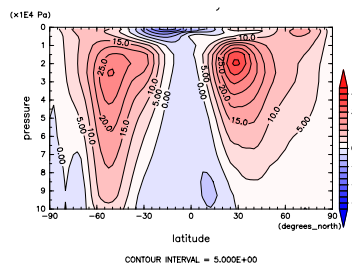


Figure 225: U at Mar. by ECMWF

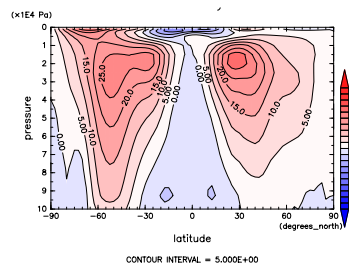


Figure 228: U at Apr. by ECMWF

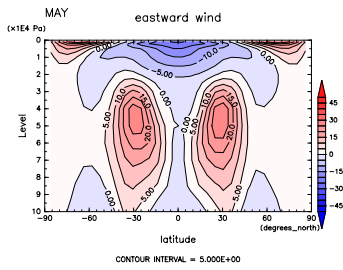


Figure 229: U at May by DCPAM

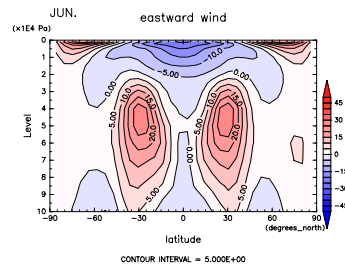


Figure 232: U at Jun. by DCPAM

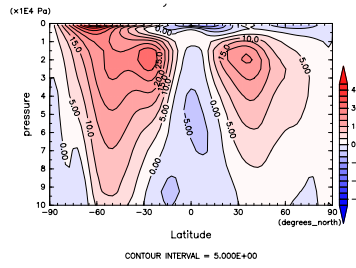


Figure 230: U at May by NCEP

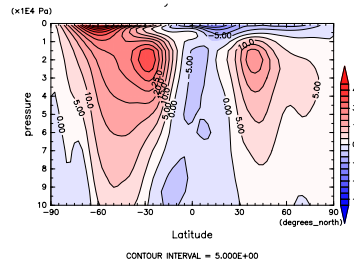


Figure 233: U at Jun. by NCEP



Figure 231: U at May by ECMWF

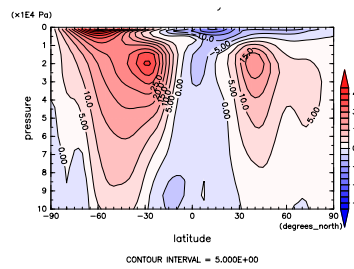


Figure 234: U at Jun. by ECMWF

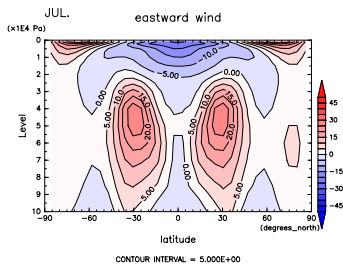


Figure 235: U at Jul. by DCPAM

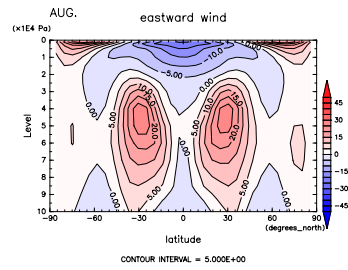


Figure 238: U at Aug. by DCPAM



Figure 236: U at Jul. by NCEP

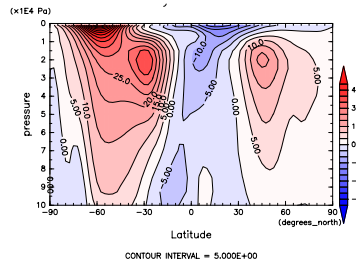


Figure 239: U at Aug. by NCEP

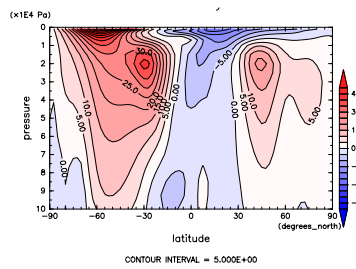


Figure 237: U at Jul. by ECMWF

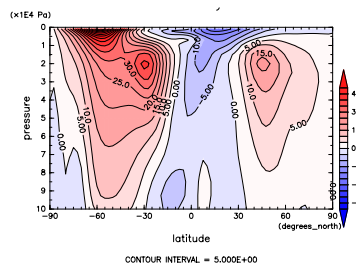


Figure 240: U at Aug. by ECMWF

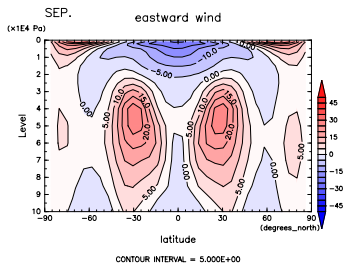


Figure 241: U at Sep. by DCPAM

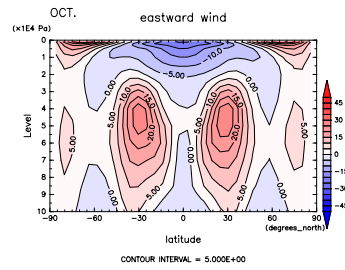


Figure 244: U at Oct. by DCPAM



Figure 242: U at Sep. by NCEP

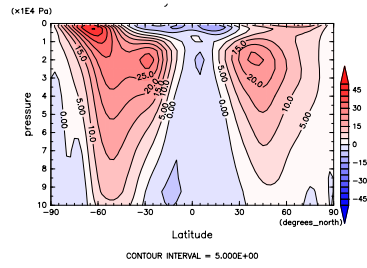


Figure 245: U at Oct. by NCEP



Figure 243: U at Sep. by ECMWF

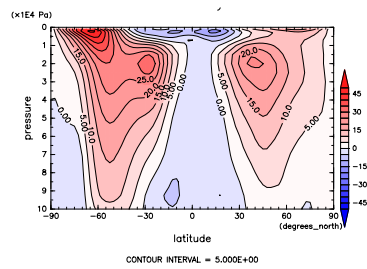


Figure 246: U at Oct. by ECMWF

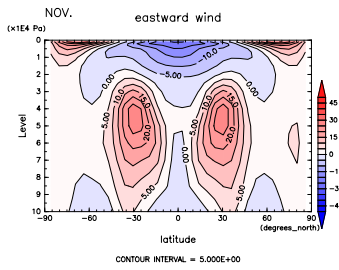


Figure 247: U at Nov. by DCPAM

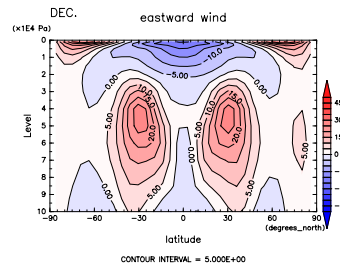


Figure 250: U at Dec. by DCPAM

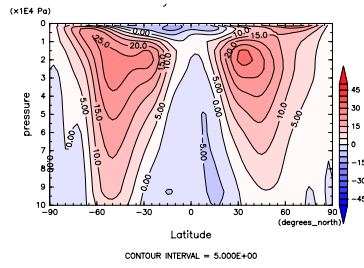


Figure 248: U at Nov. by NCEP

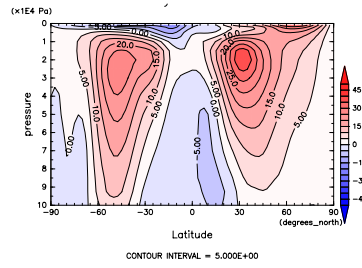


Figure 251: U at Dec. by NCEP

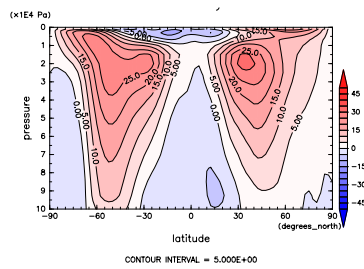


Figure 249: U at Nov. by ECMWF

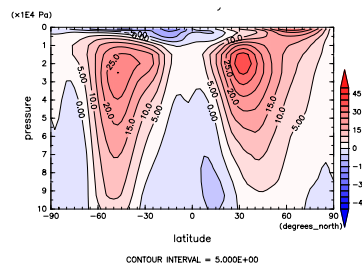


Figure 252: U at Dec. by ECMWF

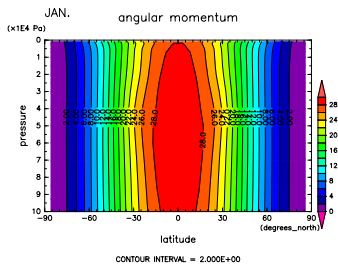


Figure 253: ANGMOM at Jan. by DCPAM

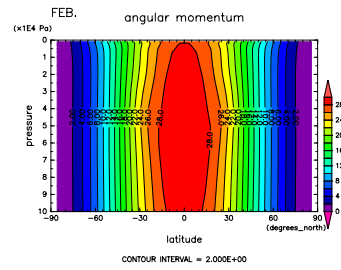


Figure 256: ANGMOM at Feb. by DCPAM

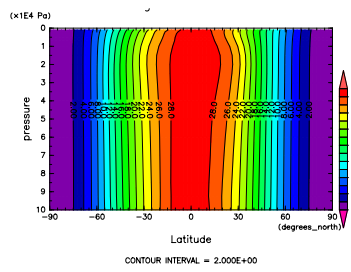


Figure 254: ANGMOM at Jan. by NCEP

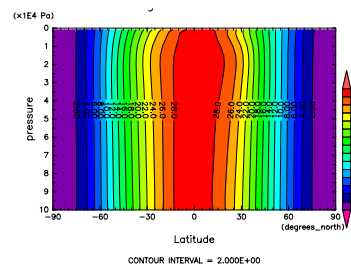


Figure 257: ANGMOM at Feb. by NCEP

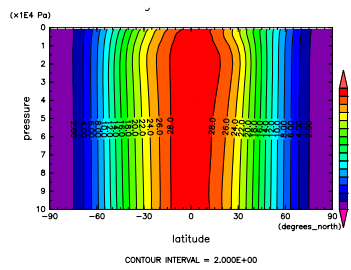


Figure 255: ANGMOM at Jan. by ECMWF

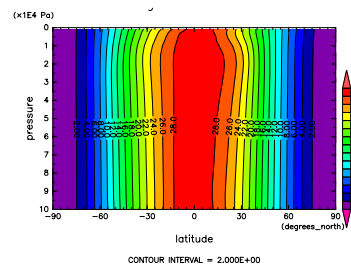


Figure 258: ANGMOM at Feb. by ECMWF



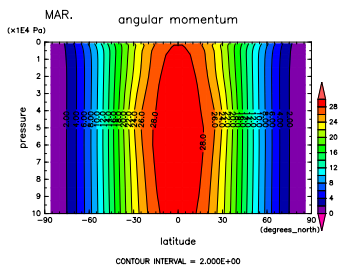


Figure 259: ANGMOM at Mar. by DCPAM

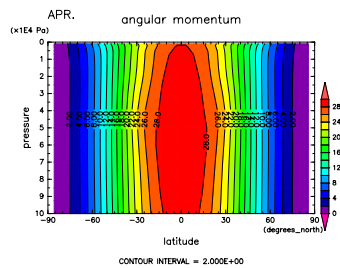


Figure 262: ANGMOM at Apr. by DCPAM

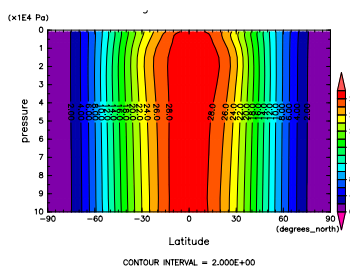


Figure 260: ANGMOM at Mar. by NCEP

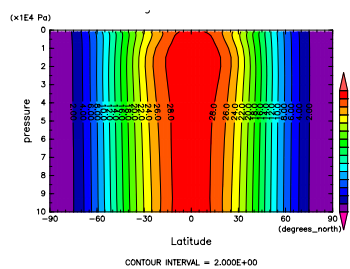


Figure 263: ANGMOM at Apr. by NCEP

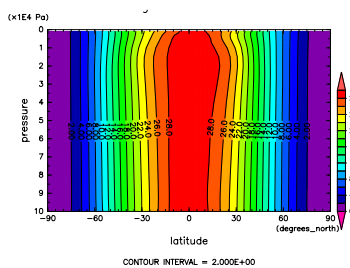


Figure 261: ANGMOM at Mar. by ECMWF

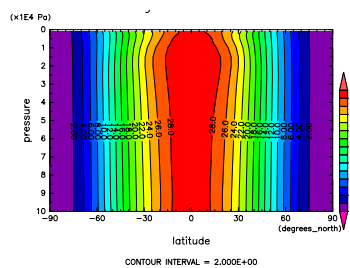


Figure 264: ANGMOM at Apr. by ECMWF

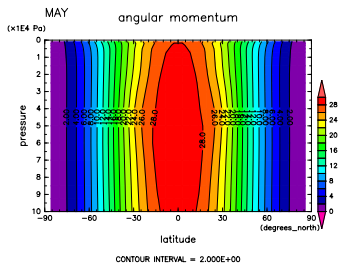


Figure 265: ANGMOM at May by DCPAM

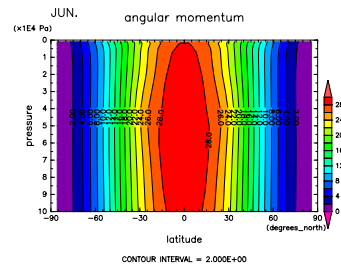


Figure 268: ANGMOM at Jun. by DCPAM

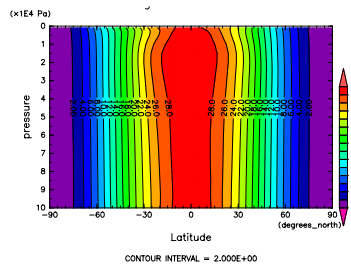


Figure 266: ANGMOM at May by NCEP

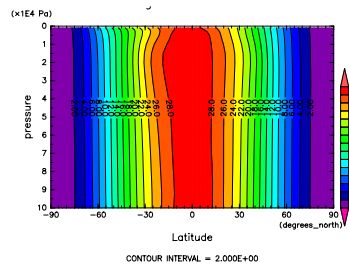


Figure 269: ANGMOM at Jun. by NCEP

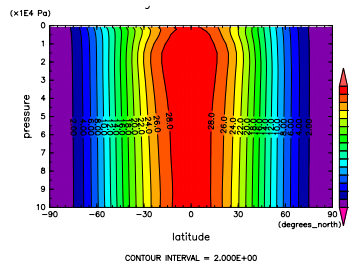


Figure 267: ANGMOM at May by ECMWF

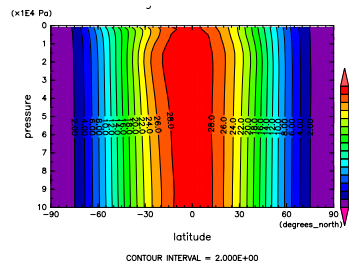


Figure 270: ANGMOM at Jun. by ECMWF

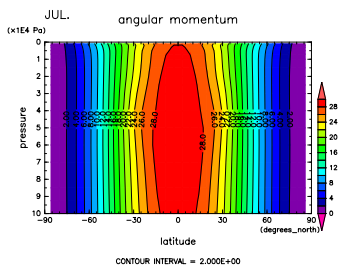


Figure 271: ANGMOM at Jul. by DCPAM

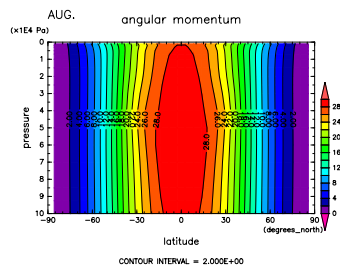


Figure 274: ANGMOM at Aug. by DCPAM

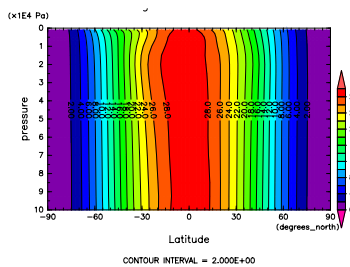


Figure 272: ANGMOM at Jul. by NCEP

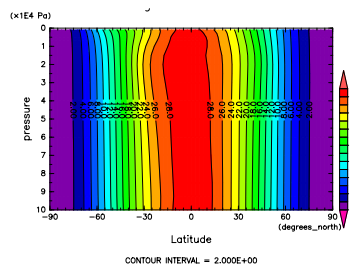


Figure 275: ANGMOM at Aug. by NCEP

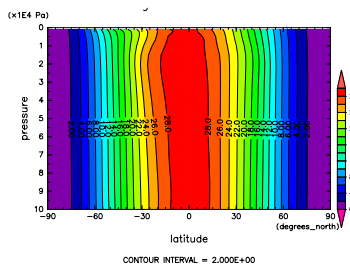


Figure 273: ANGMOM at Jul. by ECMWF

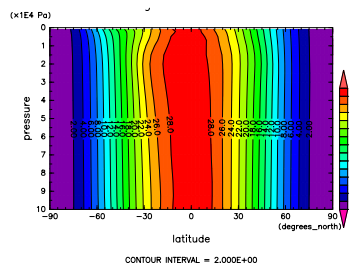


Figure 276: ANGMOM at Aug. by ECMWF

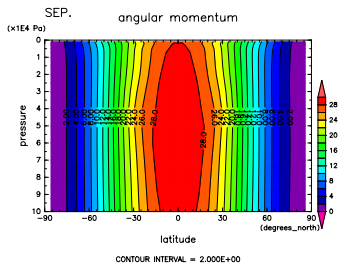


Figure 277: ANGMOM at Sep. by DCPAM

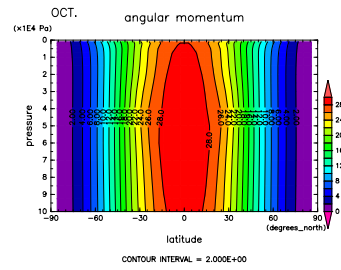


Figure 280: ANGMOM at Oct. by DCPAM

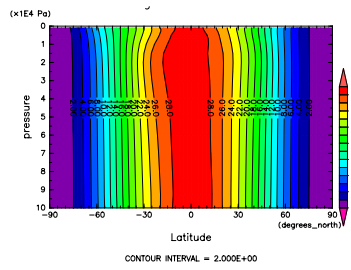


Figure 278: ANGMOM at Sep. by NCEP

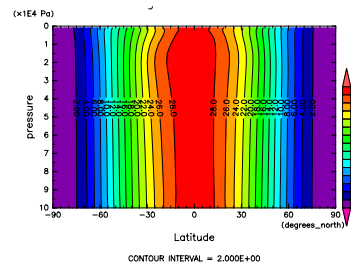


Figure 281: ANGMOM at Oct. by NCEP

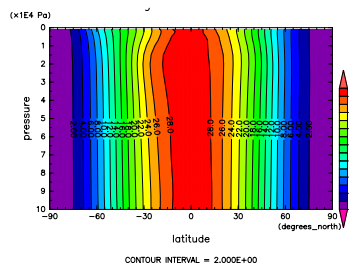


Figure 279: ANGMOM at Sep. by ECMWF

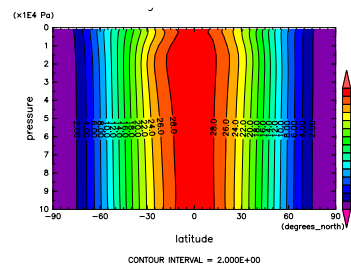


Figure 282: ANGMOM at Oct. by ECMWF

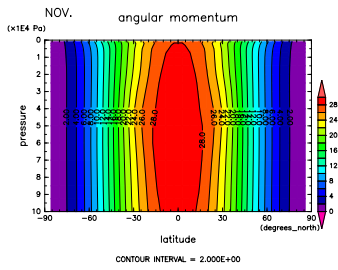


Figure 283: ANGMOM at Nov. by DCPAM

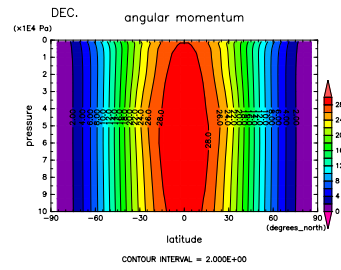


Figure 286: ANGMOM at Dec. by DCPAM

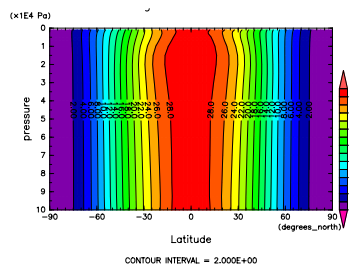


Figure 284: ANGMOM at Nov. by NCEP

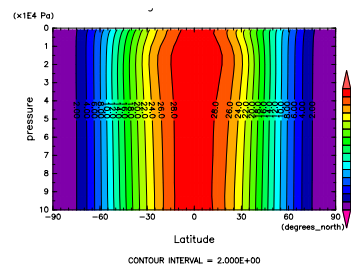


Figure 287: ANGMOM at Dec. by NCEP

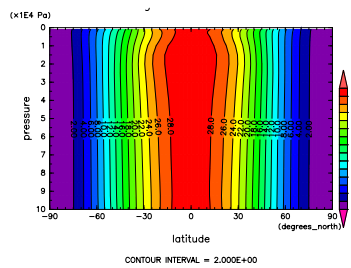


Figure 285: ANGMOM at Nov. by ECMWF

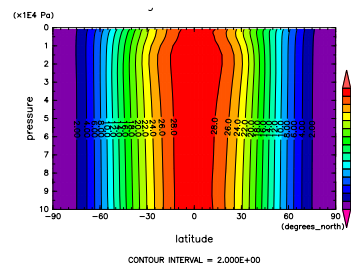


Figure 288: ANGMOM at Dec. by ECMWF

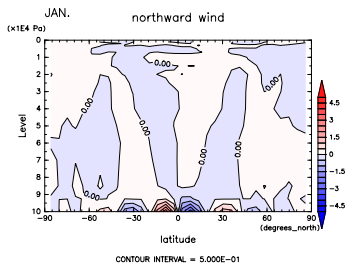


Figure 289: V at Jan. by DCPAM

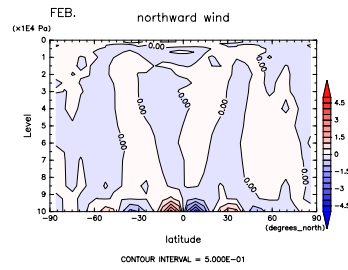


Figure 292: V at Feb. by DCPAM

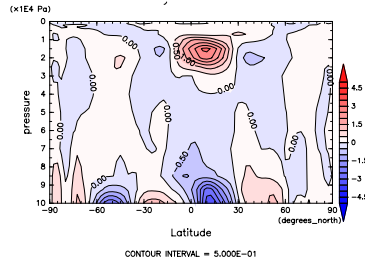


Figure 290: V at Jan. by NCEP

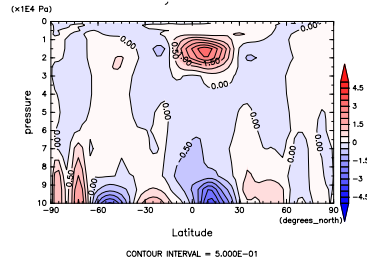


Figure 293: V at Feb. by NCEP

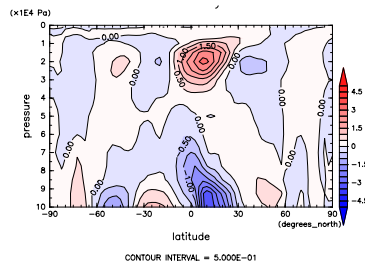


Figure 291: V at Jan. by ECMWF

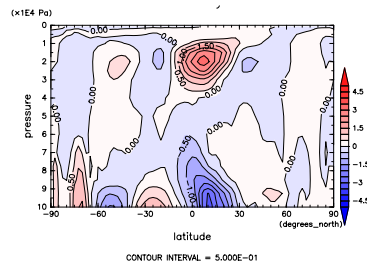


Figure 294: V at Feb. by ECMWF

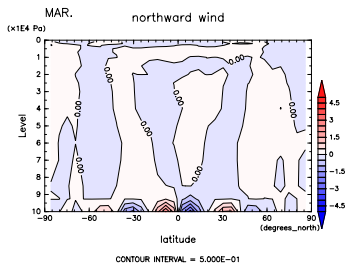


Figure 295: V at Mar. by DCPAM

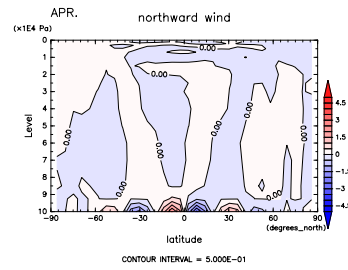


Figure 298: V at Apr. by DCPAM

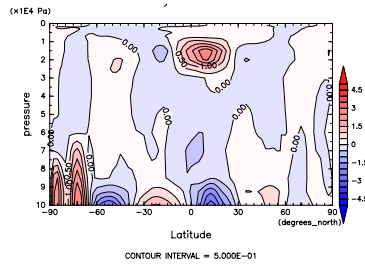


Figure 296: V at Mar. by NCEP

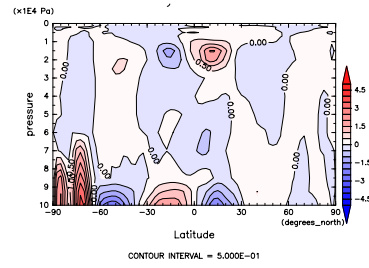


Figure 299: V at Apr. by NCEP

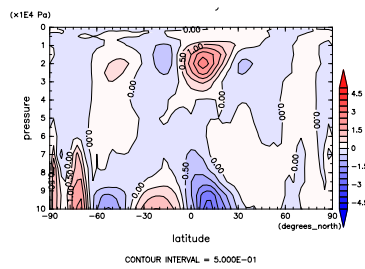


Figure 297: V at Mar. by ECMWF

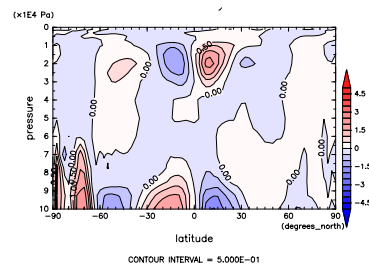


Figure 300: V at Apr. by ECMWF

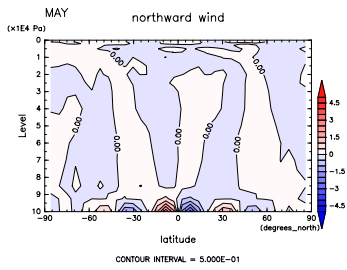


Figure 301: V at May by DCPAM

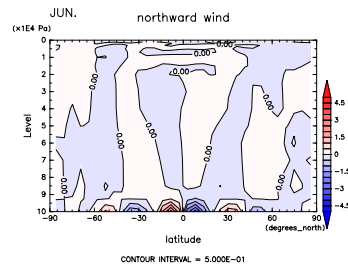


Figure 304: V at Jun. by DCPAM

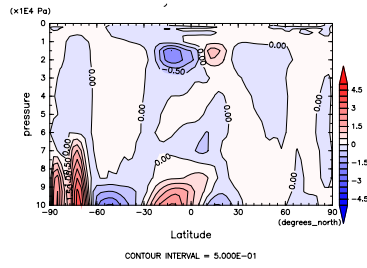


Figure 302: V at May by NCEP

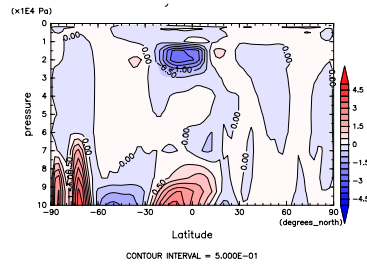


Figure 305: V at Jun. by NCEP



Figure 303: V at May by ECMWF



Figure 306: V at Jun. by ECMWF



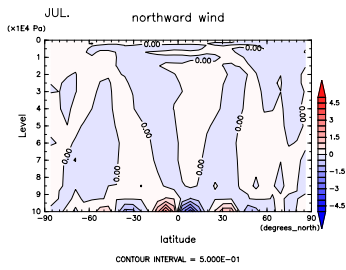


Figure 307: V at Jul. by DCPAM

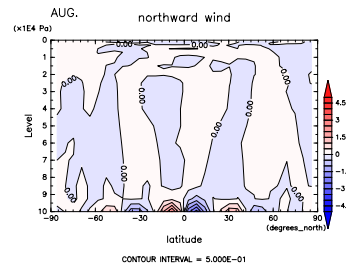


Figure 310: V at Aug. by DCPAM



Figure 308: V at Jul. by NCEP

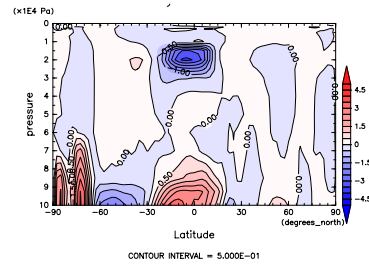


Figure 311: V at Aug. by NCEP



Figure 309: V at Jul. by ECMWF

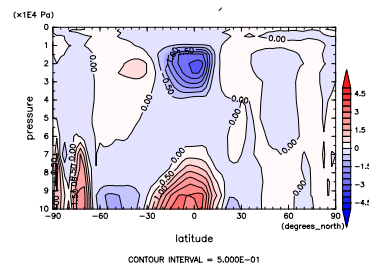


Figure 312: V at Aug. by ECMWF

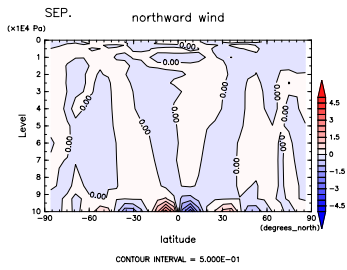


Figure 313: V at Sep. by DCPAM

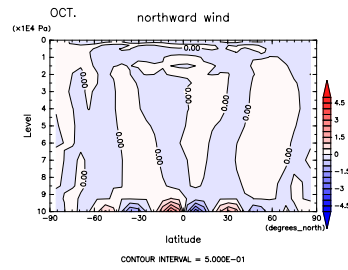


Figure 316: V at Oct. by DCPAM

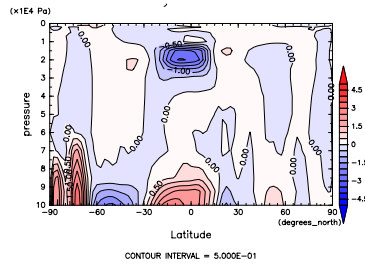


Figure 314: V at Sep. by NCEP

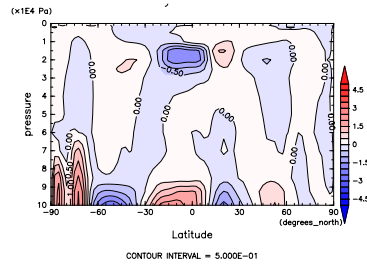


Figure 317: V at Oct. by NCEP

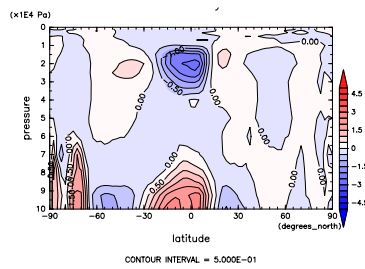


Figure 315: V at Sep. by ECMWF

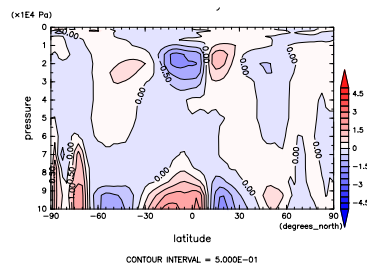


Figure 318: V at Oct. by ECMWF

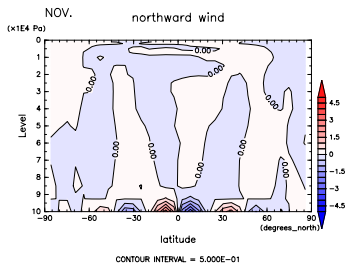


Figure 319: V at Nov. by DCPAM

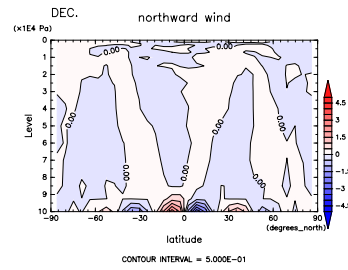


Figure 322: V at Dec. by DCPAM



Figure 320: V at Nov. by NCEP

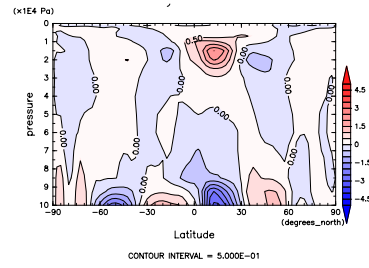


Figure 323: V at Dec. by NCEP



Figure 321: V at Nov. by ECMWF

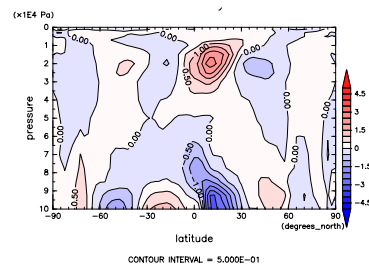


Figure 324: V at Dec. by ECMWF

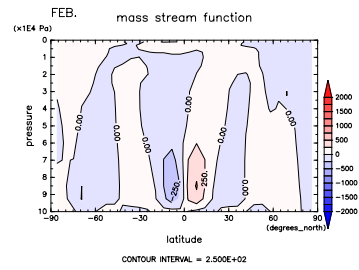
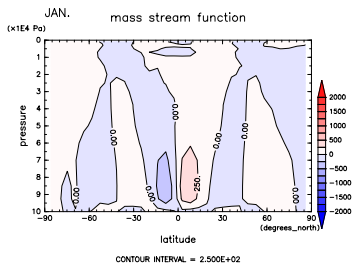


Figure 325: MSF at Jan. by DCPAM    Figure 328: MSF at Feb. by DCPAM

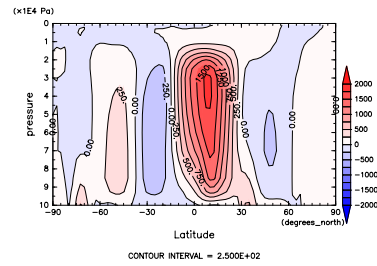
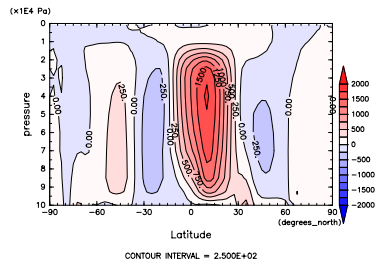


Figure 326: MSF at Jan. by NCEP

Figure 329: MSF at Feb. by NCEP

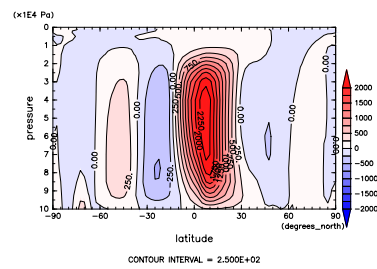
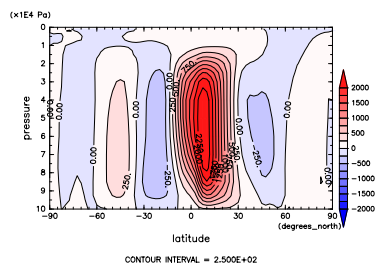


Figure 327: MSF at Jan. by ECMWF

Figure 330: MSF at Feb. by ECMWF

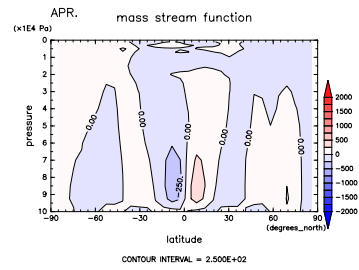
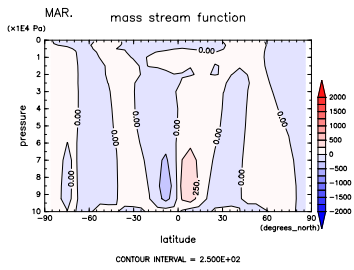


Figure 331: MSF at Mar. by DCPAM    Figure 334: MSF at Apr. by DCPAM

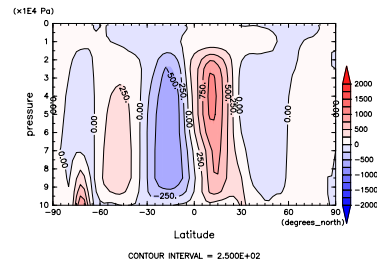


Figure 332: MSF at Mar. by NCEP    Figure 335: MSF at Apr. by NCEP

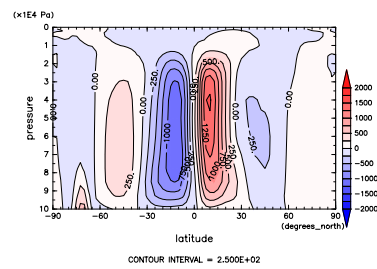


Figure 333: MSF at Mar. by ECMWF    Figure 336: MSF at Apr. by ECMWF

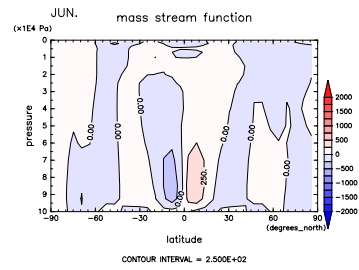
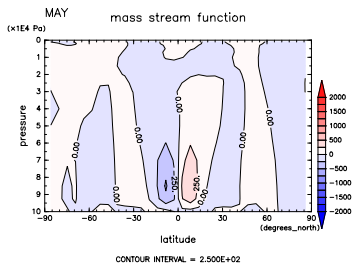


Figure 337: MSF at May by DCPAM    Figure 340: MSF at Jun. by DCPAM

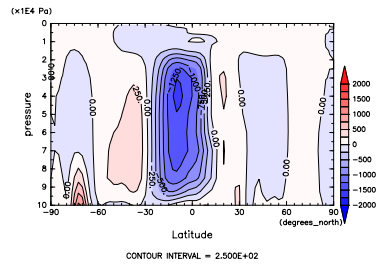
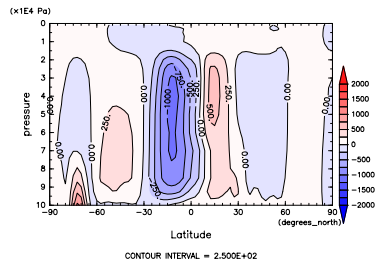


Figure 338: MSF at May by NCEP

Figure 341: MSF at Jun. by NCEP

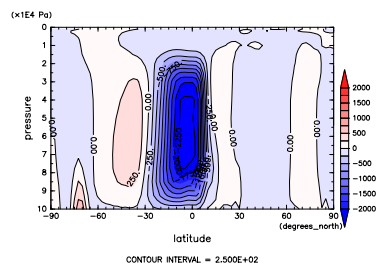
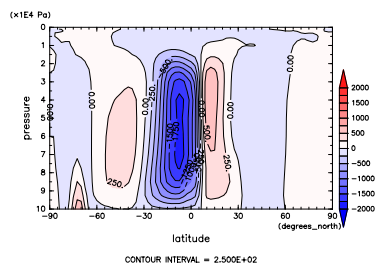


Figure 339: MSF at May by ECMWF

Figure 342: MSF at Jun. by ECMWF

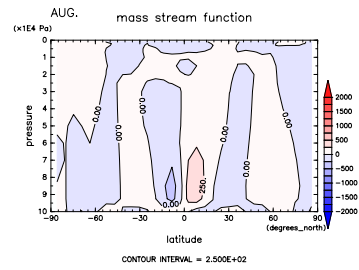
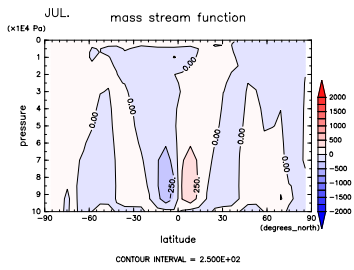


Figure 343: MSF at Jul. by DCPAM      Figure 346: MSF at Aug. by DCPAM

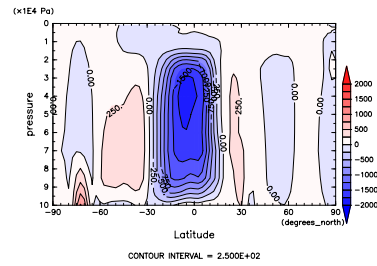
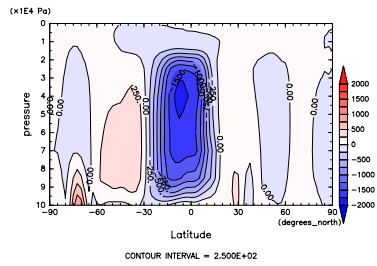


Figure 344: MSF at Jul. by NCEP      Figure 347: MSF at Aug. by NCEP

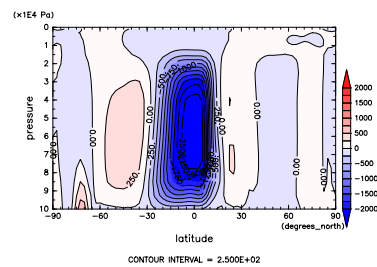
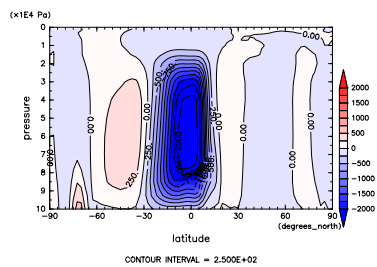


Figure 345: MSF at Jul. by ECMWF      Figure 348: MSF at Aug. by ECMWF

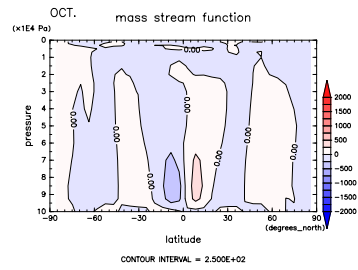
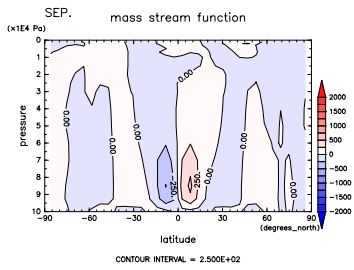


Figure 349: MSF at Sep. by DCPAM    Figure 352: MSF at Oct. by DCPAM

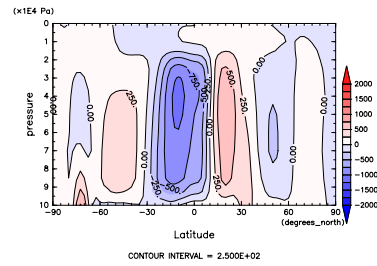
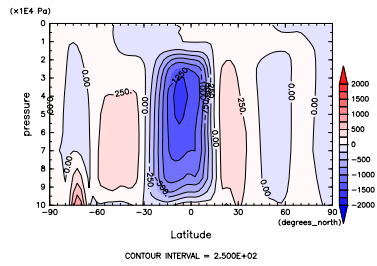


Figure 350: MSF at Sep. by NCEP

Figure 353: MSF at Oct. by NCEP

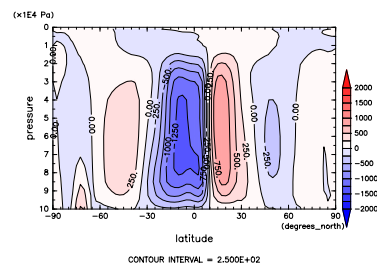


Figure 351: MSF at Sep. by ECMWF    Figure 354: MSF at Oct. by ECMWF



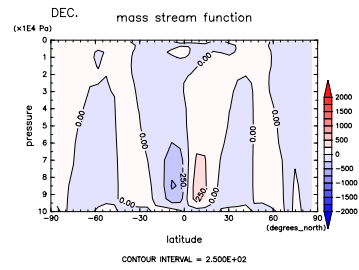
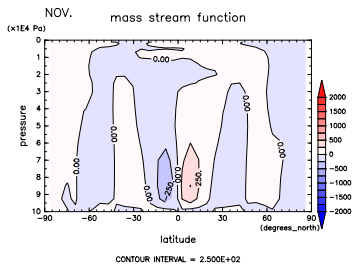


Figure 355: MSF at Nov. by DCPAM    Figure 358: MSF at Dec. by DCPAM

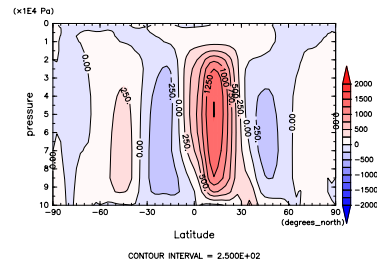
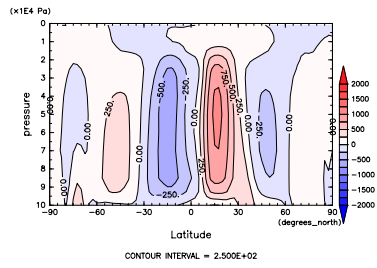


Figure 356: MSF at Nov. by NCEP    Figure 359: MSF at Dec. by NCEP

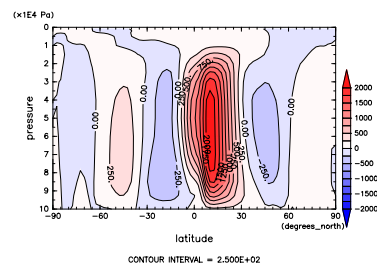
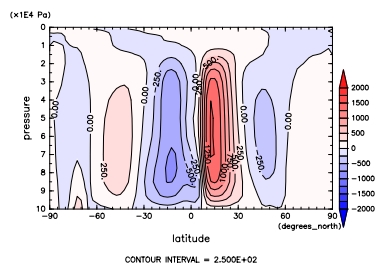


Figure 357: MSF at Nov. by ECMWF    Figure 360: MSF at Dec. by ECMWF

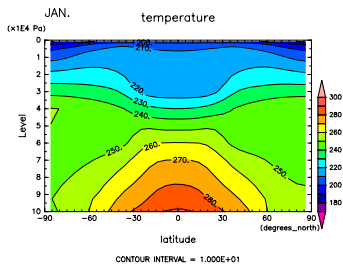


Figure 361: T at Jan. by DCPAM

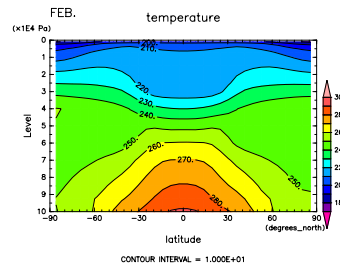


Figure 364: T at Feb. by DCPAM

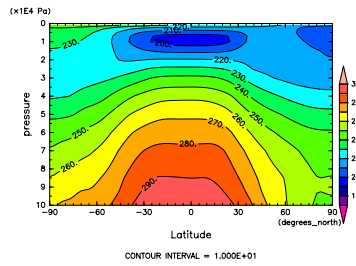


Figure 362: T at Jan. by NCEP

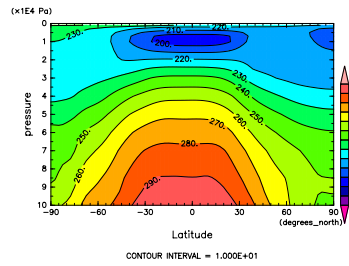


Figure 365: T at Feb. by NCEP

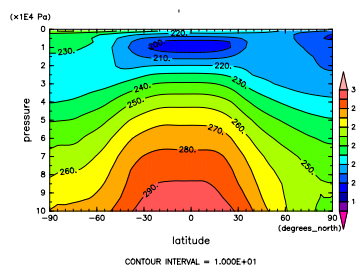


Figure 363: T at Jan. by ECMWF

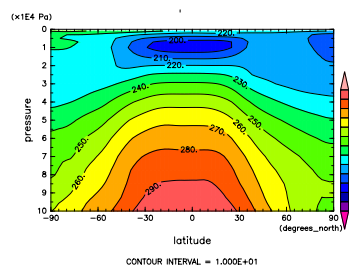


Figure 366: T at Feb. by ECMWF

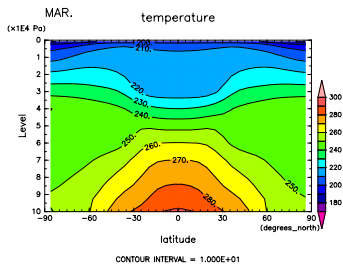


Figure 367: T at Mar. by DCPAM

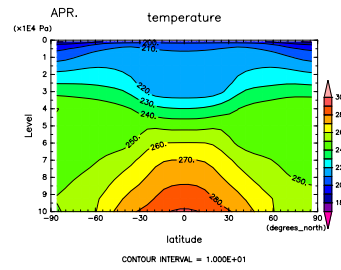


Figure 370: T at Apr. by DCPAM

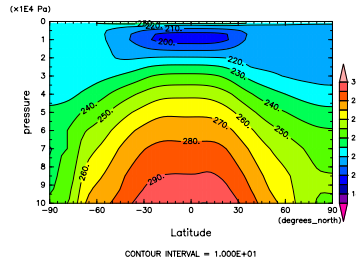


Figure 368: T at Mar. by NCEP

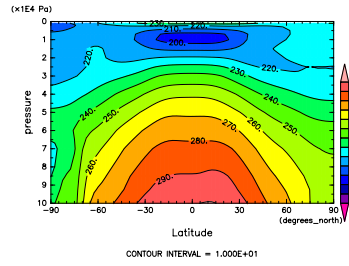


Figure 371: T at Apr. by NCEP



Figure 369: T at Mar. by ECMWF

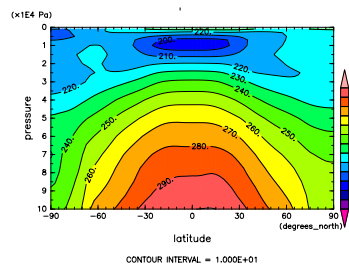


Figure 372: T at Apr. by ECMWF

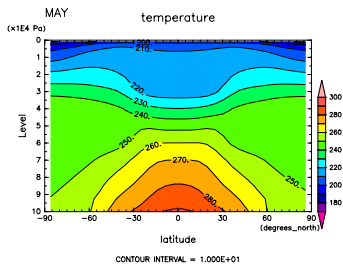


Figure 373: T at May by DCPAM

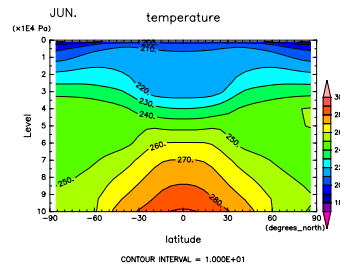


Figure 376: T at Jun. by DCPAM

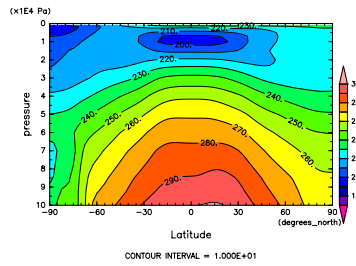


Figure 374: T at May by NCEP

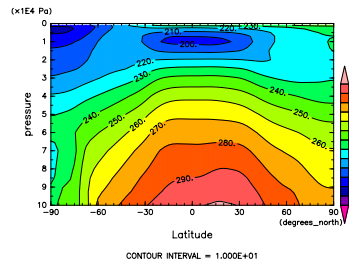


Figure 377: T at Jun. by NCEP



Figure 375: T at May by ECMWF

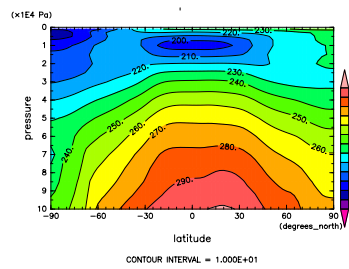


Figure 378: T at Jun. by ECMWF

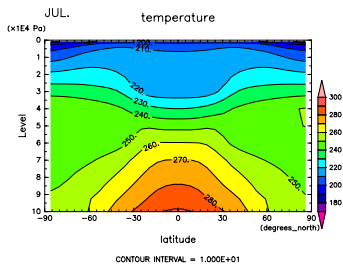


Figure 379: T at Jul. by DCPAM

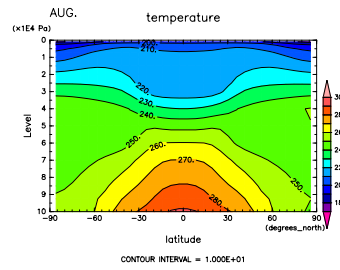


Figure 382: T at Aug. by DCPAM

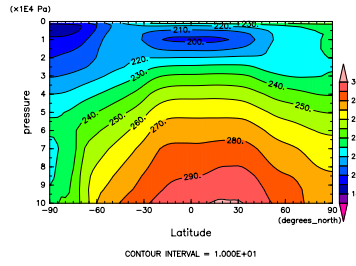


Figure 380: T at Jul. by NCEP

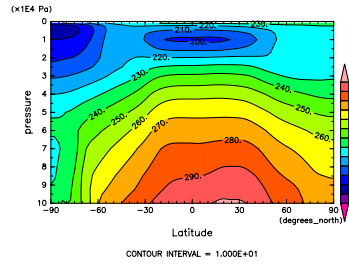


Figure 383: T at Aug. by NCEP

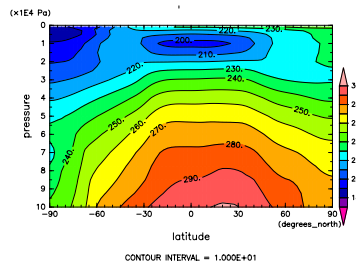


Figure 381: T at Jul. by ECMWF

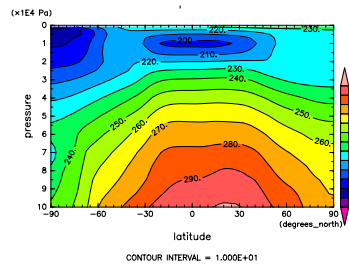


Figure 384: T at Aug. by ECMWF

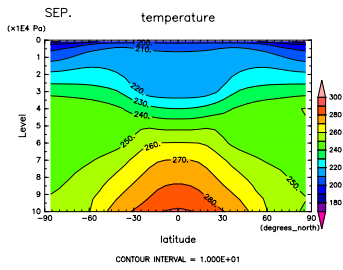


Figure 385: T at Sep. by DCPAM

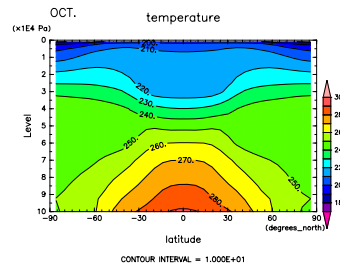


Figure 388: T at Oct. by DCPAM

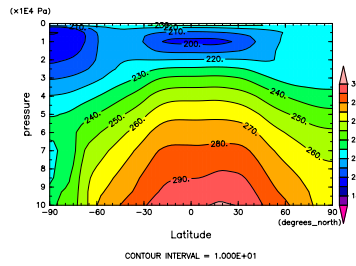


Figure 386: T at Sep. by NCEP

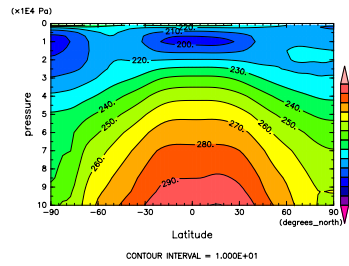


Figure 389: T at Oct. by NCEP



Figure 387: T at Sep. by ECMWF

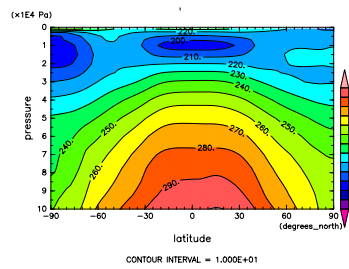


Figure 390: T at Oct. by ECMWF

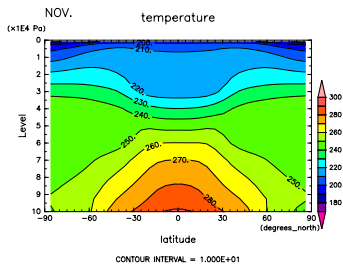


Figure 391: T at Nov. by DCPAM

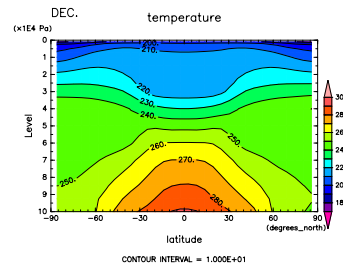


Figure 394: T at Dec. by DCPAM

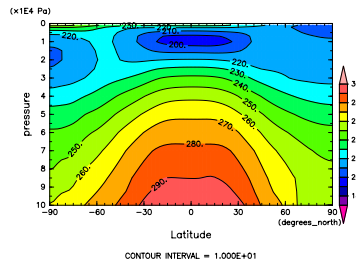


Figure 392: T at Nov. by NCEP

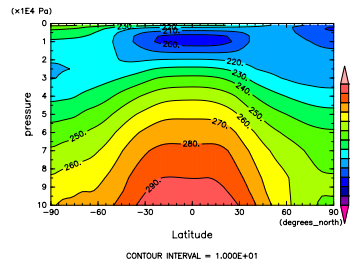


Figure 395: T at Dec. by NCEP

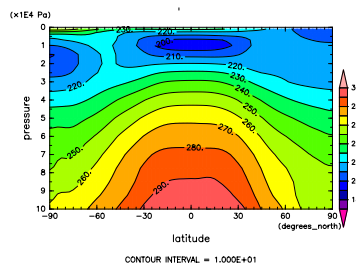


Figure 393: T at Nov. by ECMWF

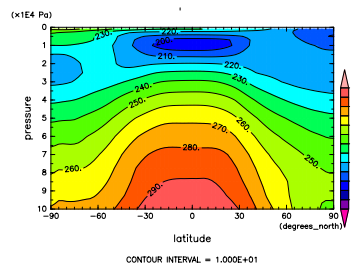


Figure 396: T at Dec. by ECMWF

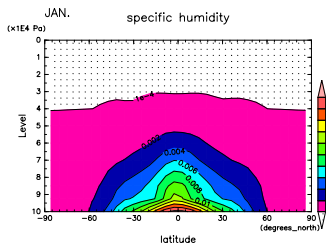


Figure 397: q at Jan. by DCPAM

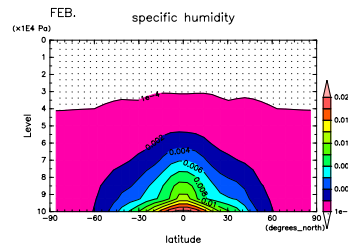


Figure 400: q at Feb. by DCPAM

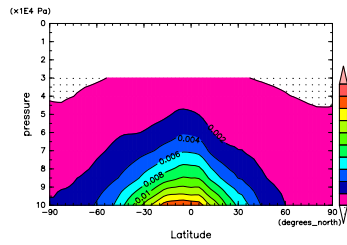


Figure 398: q at Jan. by NCEP

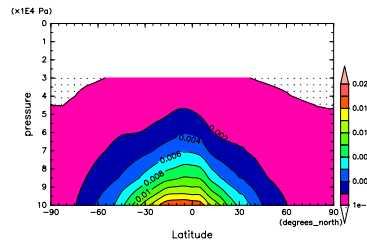


Figure 401: q at Feb. by NCEP

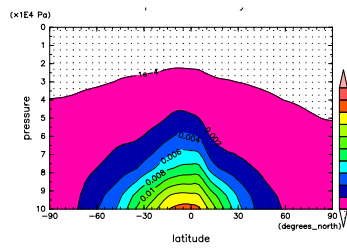


Figure 399: q at Jan. by ECMWF

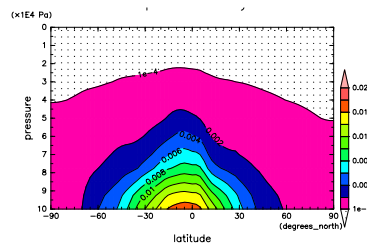


Figure 402: q at Feb. by ECMWF



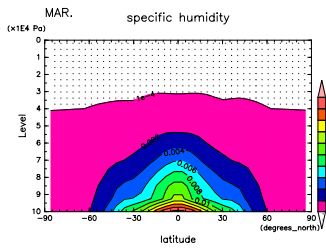


Figure 403: q at Mar. by DCPAM

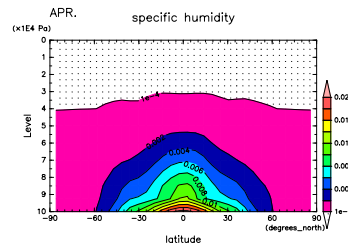


Figure 406: q at Apr. by DCPAM



Figure 404: q at Mar. by NCEP

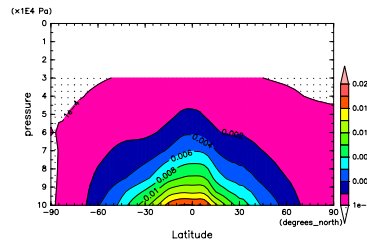


Figure 407: q at Apr. by NCEP



Figure 405: q at Mar. by ECMWF

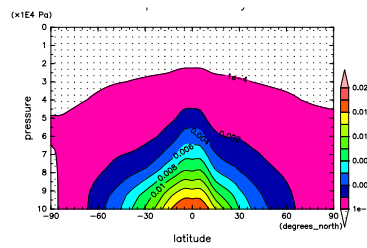


Figure 408: q at Apr. by ECMWF

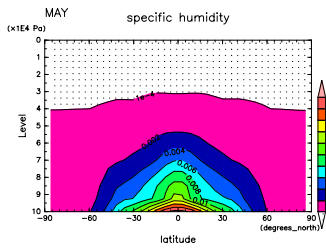


Figure 409: q at May by DCPAM

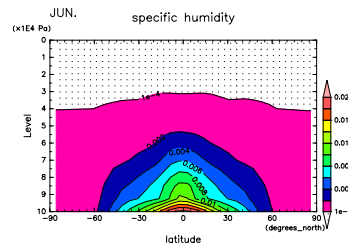


Figure 412: q at Jun. by DCPAM



Figure 410: q at May by NCEP

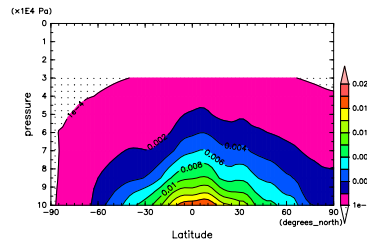


Figure 413: q at Jun. by NCEP



Figure 411: q at May by ECMWF

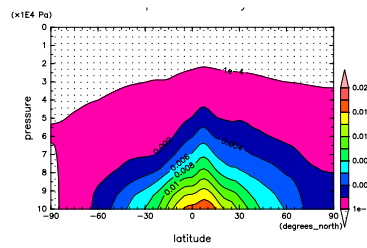


Figure 414: q at Jun. by ECMWF

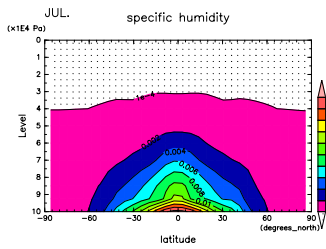


Figure 415: q at Jul. by DCPAM

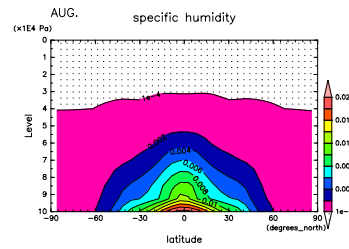


Figure 418: q at Aug. by DCPAM

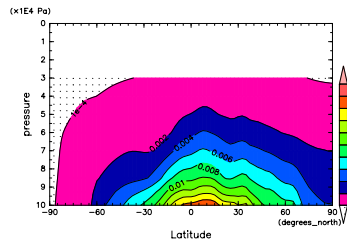


Figure 416: q at Jul. by NCEP

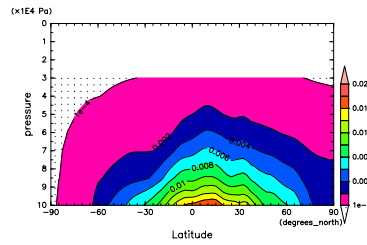


Figure 419: q at Aug. by NCEP

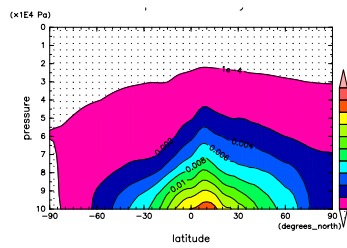


Figure 417: q at Jul. by ECMWF

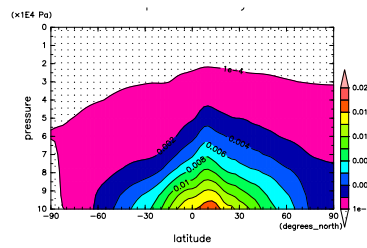


Figure 420: q at Aug. by ECMWF

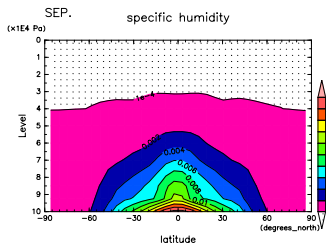


Figure 421: q at Sep. by DCPAM

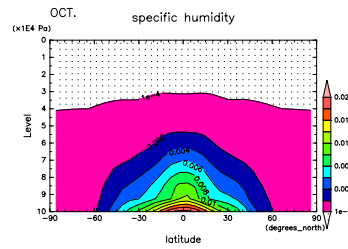


Figure 424: q at Oct. by DCPAM

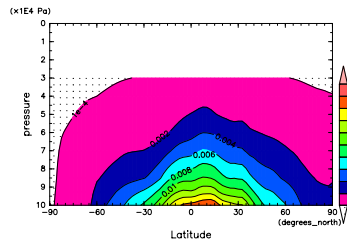


Figure 422: q at Sep. by NCEP

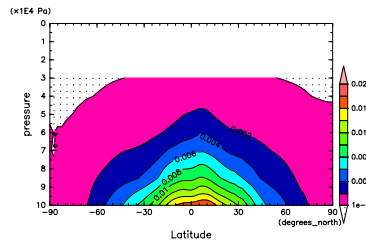


Figure 425: q at Oct. by NCEP

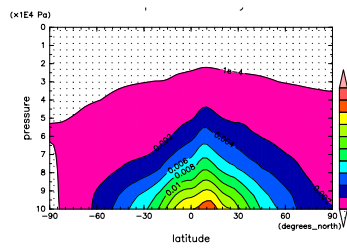


Figure 423: q at Sep. by ECMWF

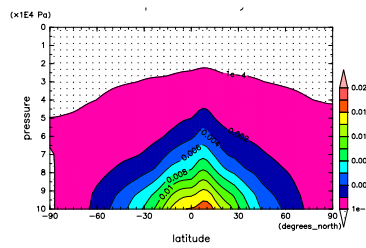


Figure 426: q at Oct. by ECMWF

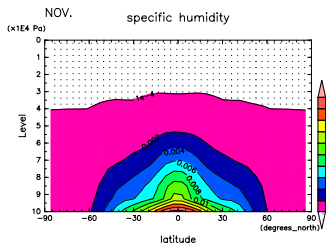


Figure 427: q at Nov. by DCPAM

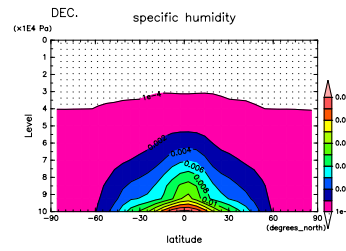


Figure 430: q at Dec. by DCPAM

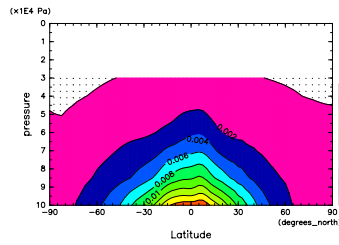


Figure 428: q at Nov. by NCEP



Figure 431: q at Dec. by NCEP

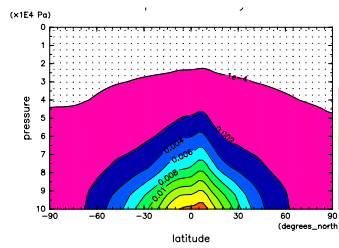


Figure 429: q at Nov. by ECMWF

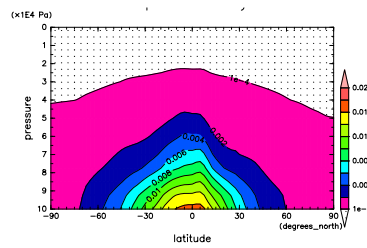


Figure 432: q at Dec. by ECMWF

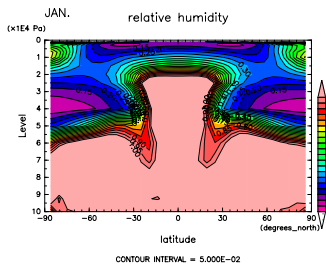


Figure 433: RH at Jan. by DCPAM

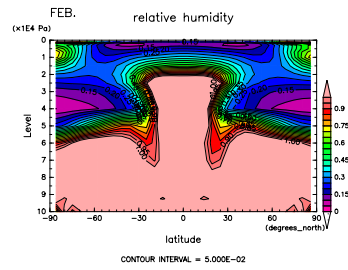


Figure 436: RH at Feb. by DCPAM

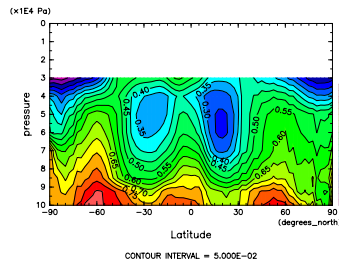


Figure 434: RH at Jan. by NCEP

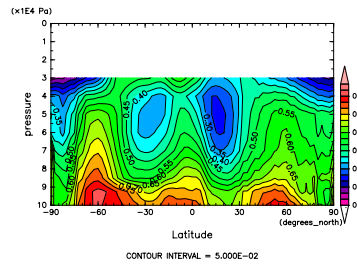


Figure 437: RH at Feb. by NCEP

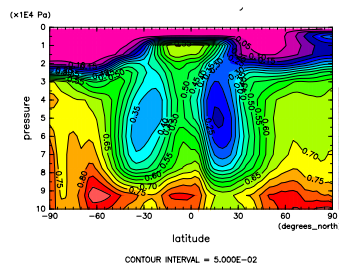


Figure 435: RH at Jan. by ECMWF

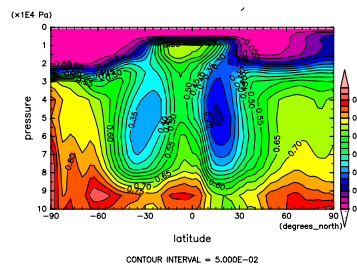


Figure 438: RH at Feb. by ECMWF

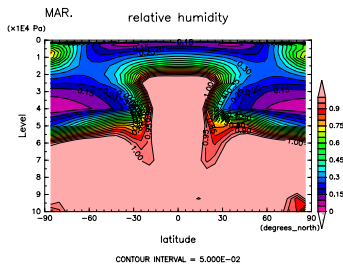


Figure 439: RH at Mar. by DCPAM

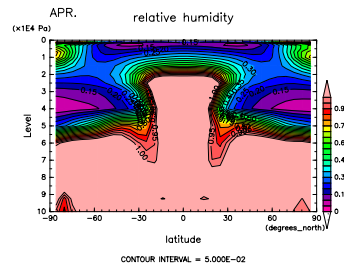


Figure 442: RH at Apr. by DCPAM

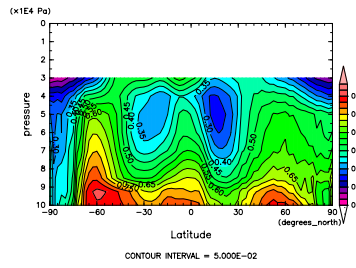


Figure 440: RH at Mar. by NCEP

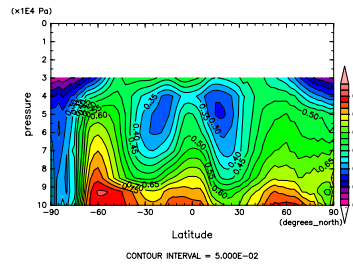


Figure 443: RH at Apr. by NCEP

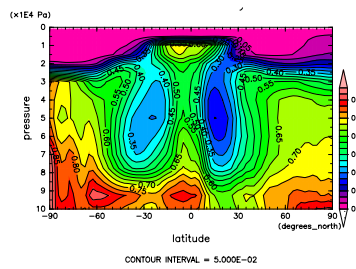


Figure 441: RH at Mar. by ECMWF

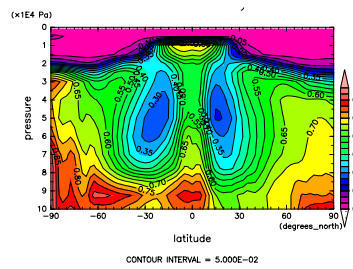


Figure 444: RH at Apr. by ECMWF

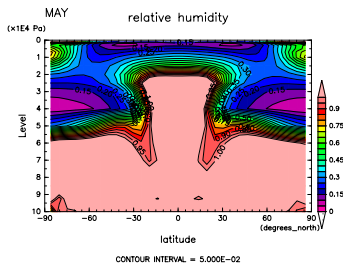


Figure 445: RH at May by DCPAM

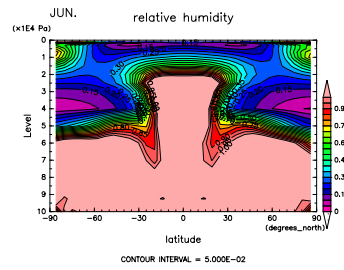


Figure 448: RH at Jun. by DCPAM

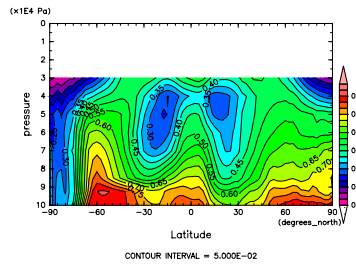


Figure 446: RH at May by NCEP

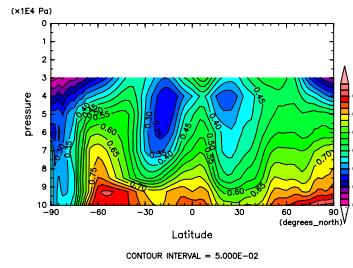


Figure 449: RH at Jun. by NCEP

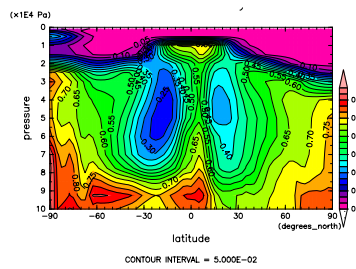


Figure 447: RH at May by ECMWF

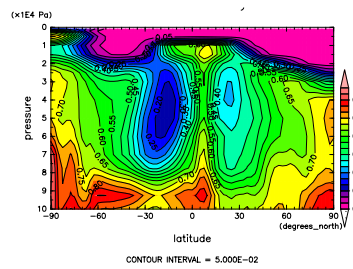


Figure 450: RH at Jun. by ECMWF



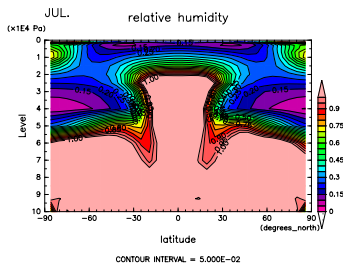


Figure 451: RH at Jul. by DCPAM

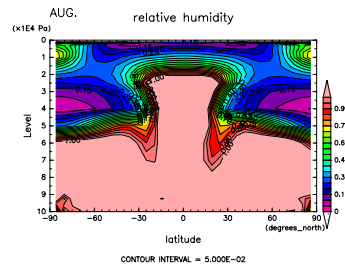


Figure 454: RH at Aug. by DCPAM

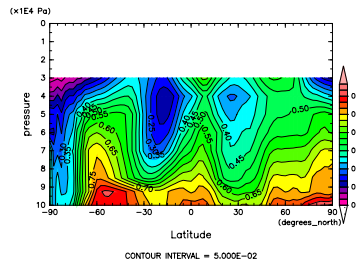


Figure 452: RH at Jul. by NCEP

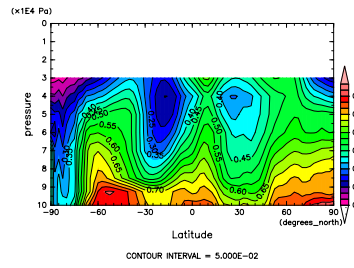


Figure 455: RH at Aug. by NCEP



Figure 453: RH at Jul. by ECMWF

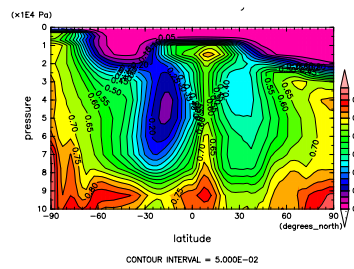


Figure 456: RH at Aug. by ECMWF

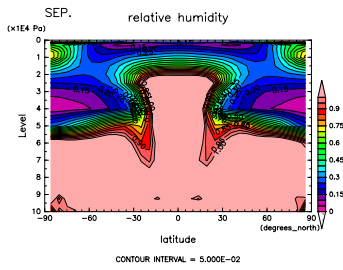


Figure 457: RH at Sep. by DCPAM

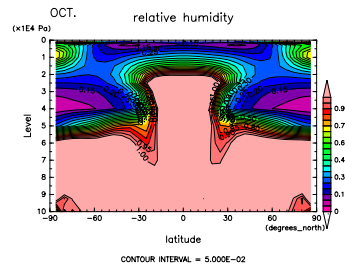


Figure 460: RH at Oct. by DCPAM

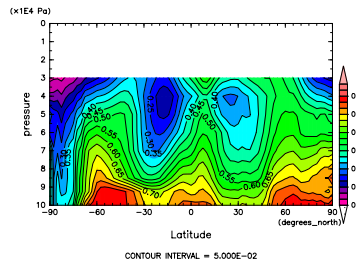


Figure 458: RH at Sep. by NCEP

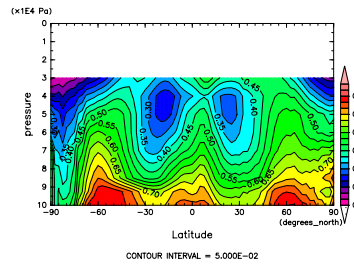


Figure 461: RH at Oct. by NCEP

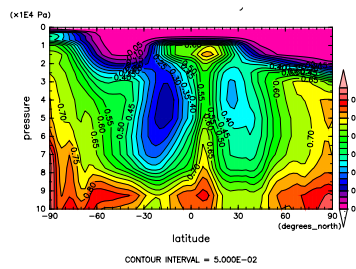


Figure 459: RH at Sep. by ECMWF

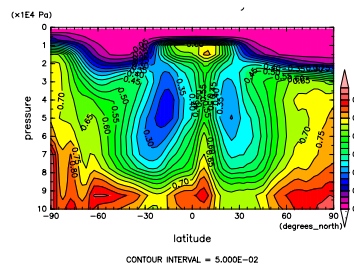


Figure 462: RH at Oct. by ECMWF

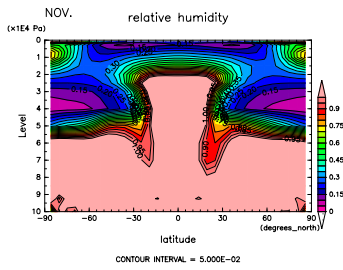


Figure 463: RH at Nov. by DCPAM

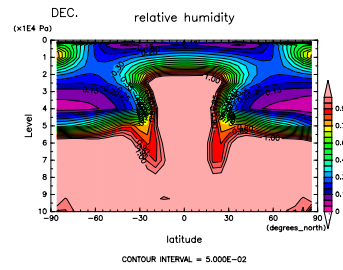


Figure 466: RH at Dec. by DCPAM

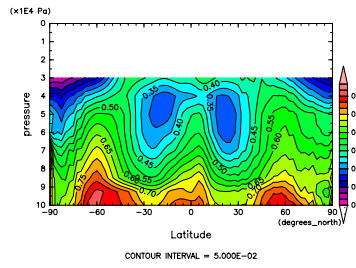


Figure 464: RH at Nov. by NCEP

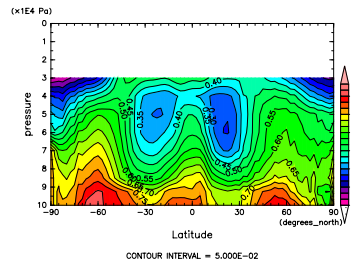


Figure 467: RH at Dec. by NCEP

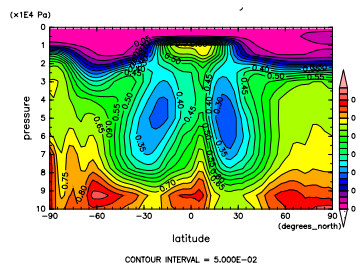


Figure 465: RH at Nov. by ECMWF

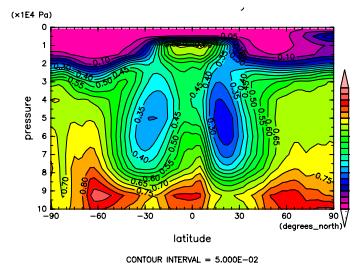


Figure 468: RH at Dec. by ECMWF

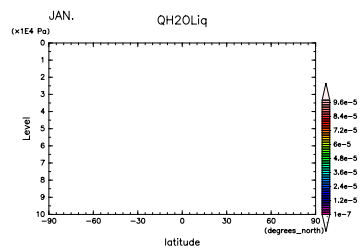


Figure 469:  $q_l$  at Jan. by DCPAM

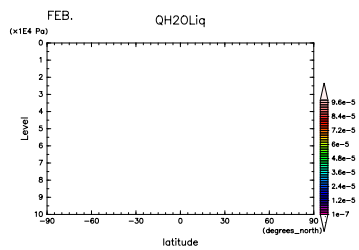


Figure 470:  $q_l$  at Feb. by DCPAM



Figure 471:  $q_l$  at Mar. by DCPAM

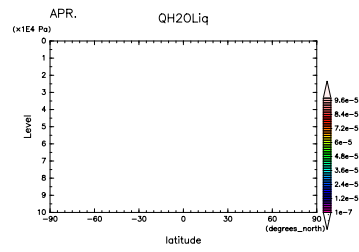


Figure 472:  $q_l$  at Apr. by DCPAM

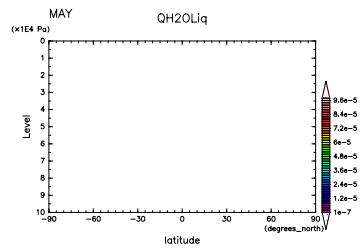


Figure 473:  $q_l$  at May by DCPAM

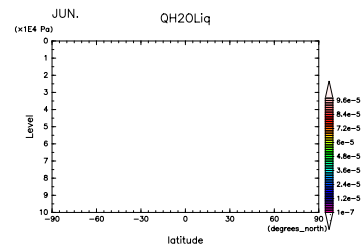


Figure 474:  $q_l$  at Jun. by DCPAM

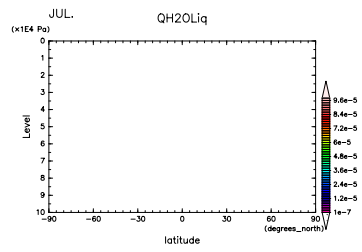


Figure 475:  $q_l$  at Jul. by DCPAM

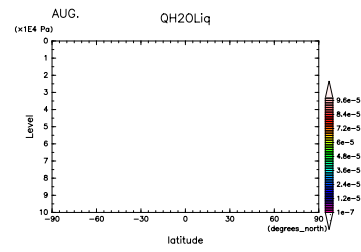


Figure 476:  $q_l$  at Aug. by DCPAM

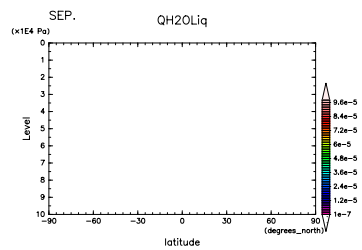


Figure 477:  $q_l$  at Sep. by DCPAM

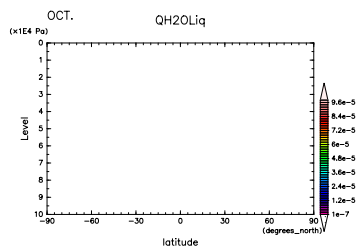


Figure 478:  $q_l$  at Oct. by DCPAM



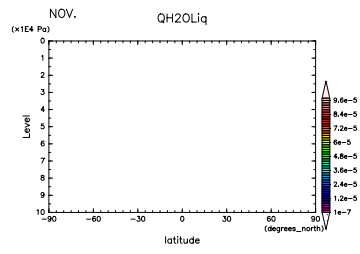


Figure 479:  $q_l$  at Nov. by DCPAM

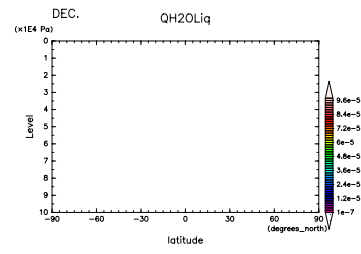


Figure 480:  $q_l$  at Dec. by DCPAM

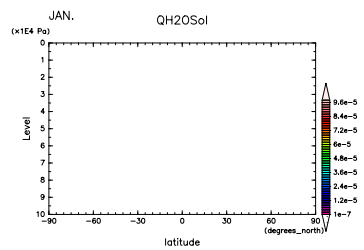


Figure 481:  $q_i$  at Jan. by DCPAM

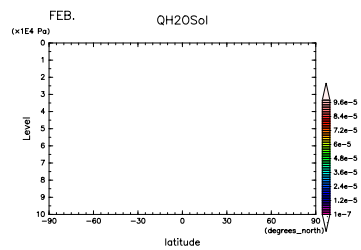


Figure 482:  $q_i$  at Feb. by DCPAM

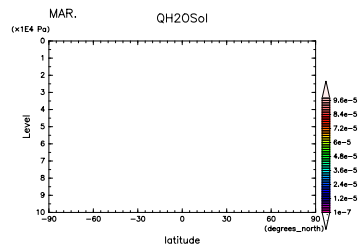


Figure 483:  $q_i$  at Mar. by DCPAM

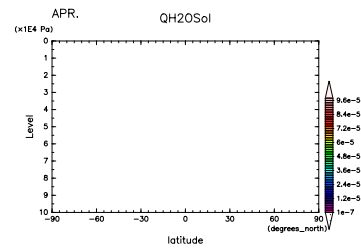


Figure 484:  $q_i$  at Apr. by DCPAM

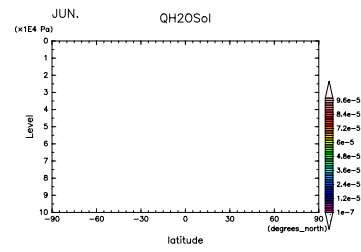


Figure 485:  $q_i$  at May by DCPAM

Figure 486:  $q_i$  at Jun. by DCPAM

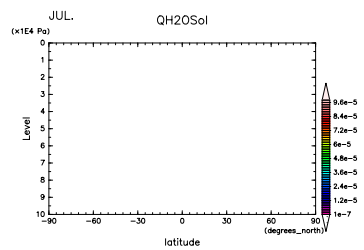


Figure 487:  $q_i$  at Jul. by DCPAM

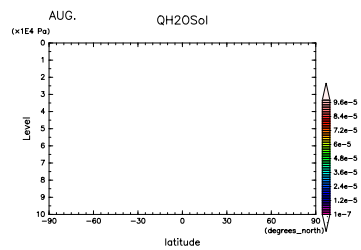


Figure 488:  $q_i$  at Aug. by DCPAM

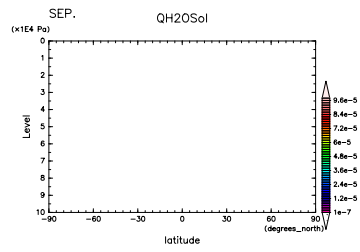


Figure 489:  $q_i$  at Sep. by DCPAM

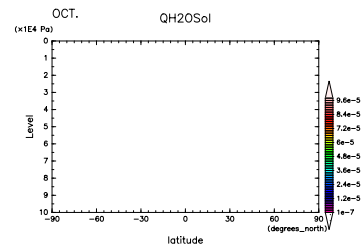


Figure 490:  $q_i$  at Oct. by DCPAM

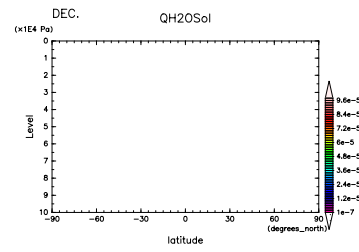
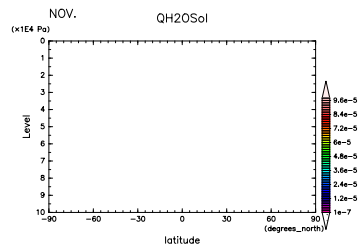


Figure 491:  $q_i$  at Nov. by DCPAM

Figure 492:  $q_i$  at Dec. by DCPAM



Figure 493:  $q_l + q_i$  at Jan. by DCPAM    Figure 494:  $q_l + q_i$  at Feb. by DCPAM



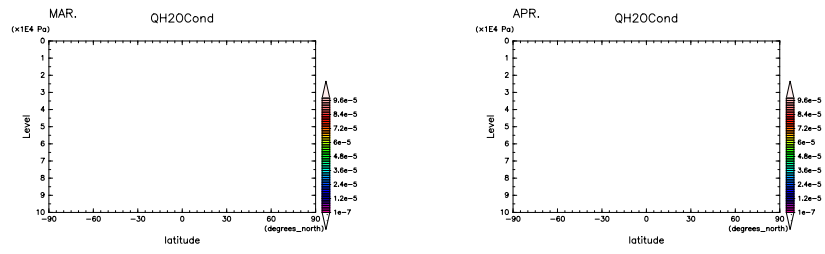


Figure 495:  $q_l + q_i$  at Mar. by DCPAM    Figure 496:  $q_l + q_i$  at Apr. by DCPAM

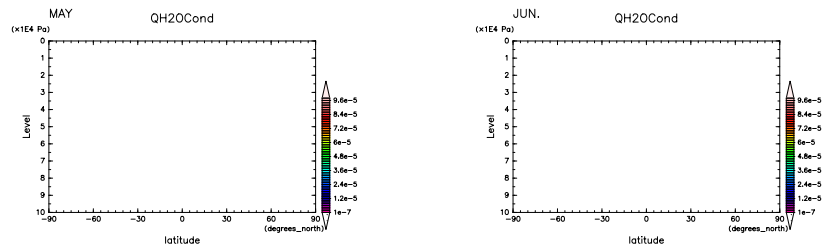


Figure 497:  $q_l + q_i$  at May by DCPAM    Figure 498:  $q_l + q_i$  at Jun. by DCPAM



Figure 499:  $q_l + q_i$  at Jul. by DCPAM    Figure 500:  $q_l + q_i$  at Aug. by DCPAM

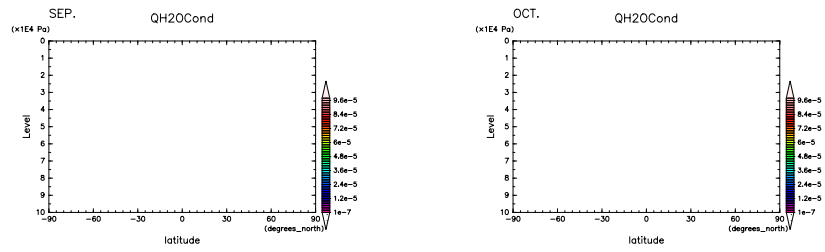


Figure 501:  $q_l + q_i$  at Sep. by DCPAM    Figure 502:  $q_l + q_i$  at Oct. by DCPAM

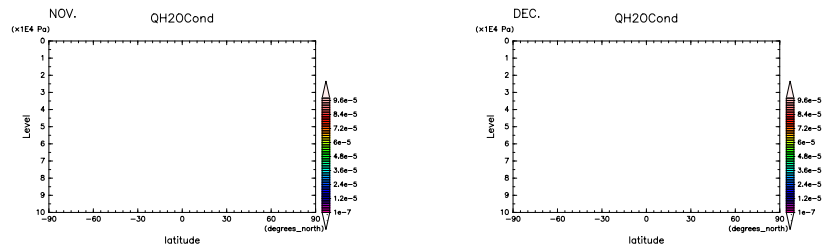


Figure 503:  $q_l + q_i$  at Nov. by DCPAM    Figure 504:  $q_l + q_i$  at Dec. by DCPAM

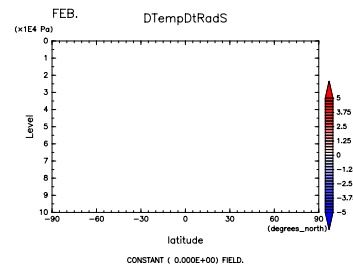
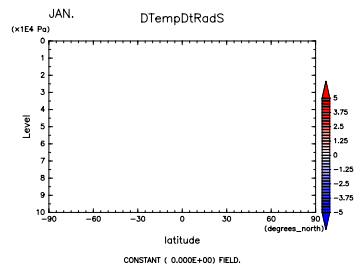


Figure 505:  $(\partial T/\partial t)_{SW}$  at Jan. by DCPAM      Figure 506:  $(\partial T/\partial t)_{SW}$  at Feb. by DCPAM

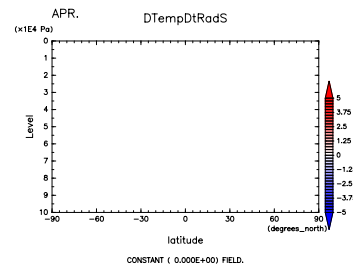
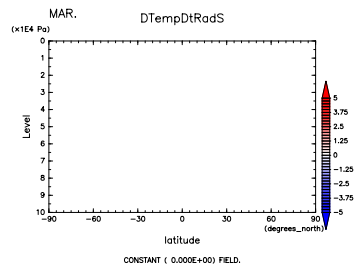


Figure 507:  $(\partial T/\partial t)_{SW}$  at Mar. by DCPAM

Figure 508:  $(\partial T/\partial t)_{SW}$  at Apr. by DCPAM

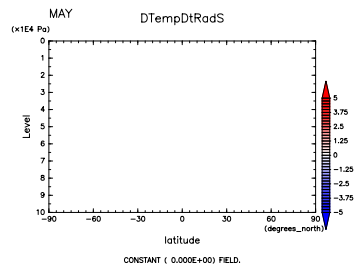


Figure 509:  $(\partial T/\partial t)_{SW}$  at May by DCPAM

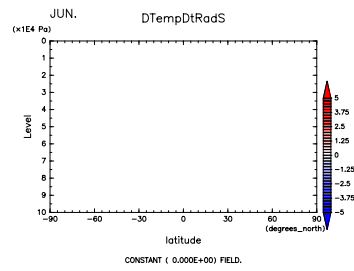


Figure 510:  $(\partial T/\partial t)_{SW}$  at Jun. by DCPAM



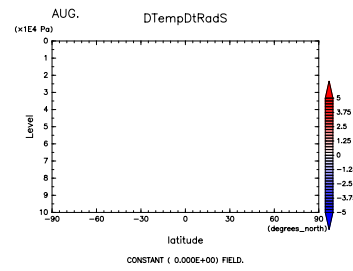
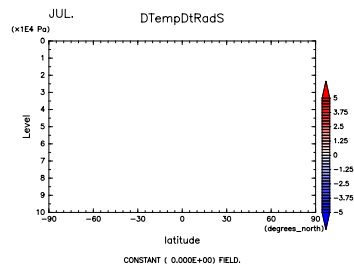


Figure 511:  $(\partial T/\partial t)_{SW}$  at Jul. by DCPAM by Figure 512:  $(\partial T/\partial t)_{SW}$  at Aug. by DCPAM

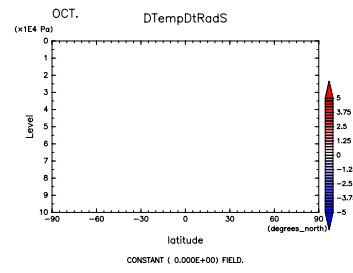
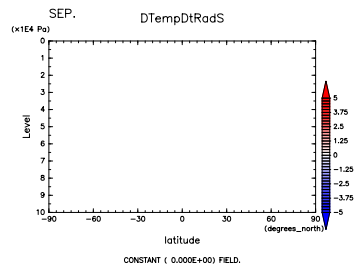


Figure 513:  $(\partial T/\partial t)_{sw}$  at Sep. by DCPAM      Figure 514:  $(\partial T/\partial t)_{sw}$  at Oct. by DCPAM

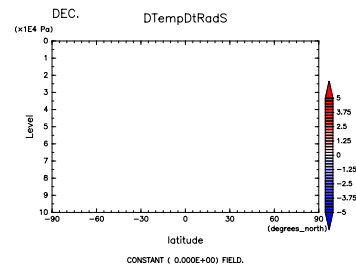
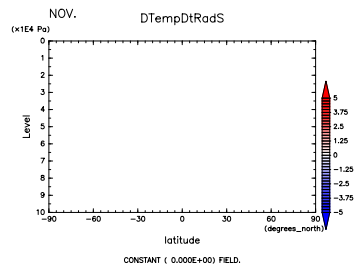


Figure 515:  $(\partial T/\partial t)_{SW}$  at Nov. by DCPAM

Figure 516:  $(\partial T/\partial t)_{SW}$  at Dec. by DCPAM

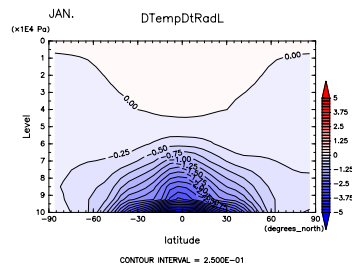


Figure 517:  $(\partial T/\partial t)_{LW}$  at Jan. by DCPAM

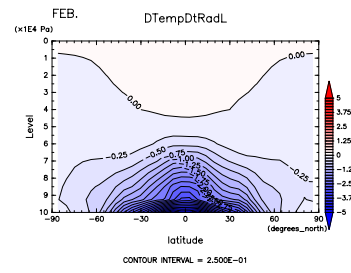


Figure 518:  $(\partial T/\partial t)_{LW}$  at Feb. by DCPAM

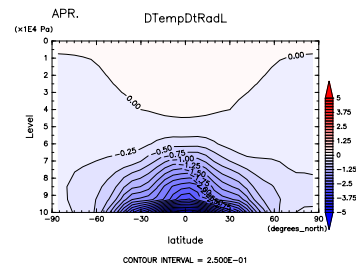
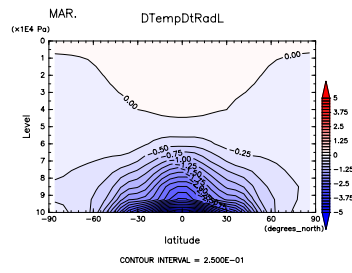


Figure 519:  $(\partial T/\partial t)_{LW}$  at Mar. by DCPAM      Figure 520:  $(\partial T/\partial t)_{LW}$  at Apr. by DCPAM

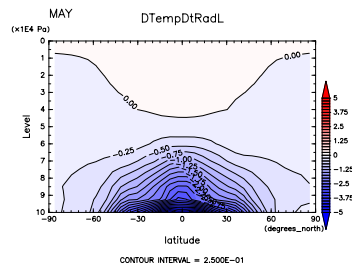


Figure 521:  $(\partial T/\partial t)_{LW}$  at May by DCPAM

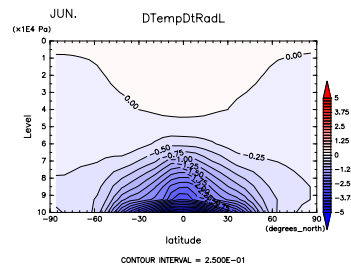


Figure 522:  $(\partial T/\partial t)_{LW}$  at Jun. by DCPAM

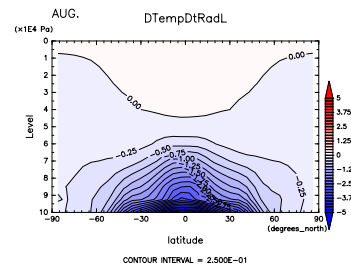
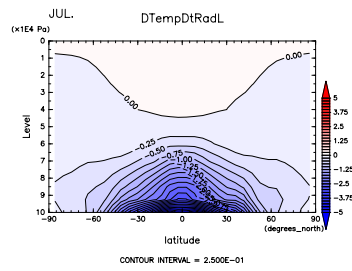


Figure 523:  $(\partial T/\partial t)_{LW}$  at Jul. by DCPAM      Figure 524:  $(\partial T/\partial t)_{LW}$  at Aug. by DCPAM

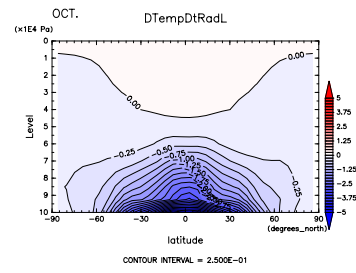
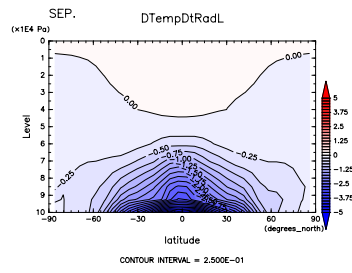


Figure 525:  $(\partial T/\partial t)_{LW}$  at Sep. by DCPAM      Figure 526:  $(\partial T/\partial t)_{LW}$  at Oct. by DCPAM



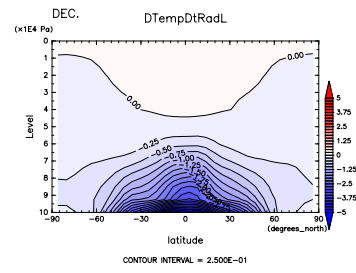
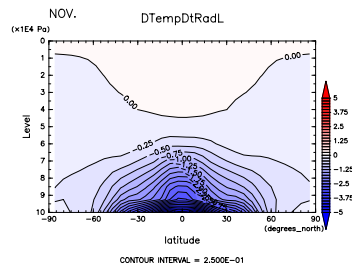


Figure 527:  $(\partial T/\partial t)_{LW}$  at Nov. by DCPAM      Figure 528:  $(\partial T/\partial t)_{LW}$  at Dec. by DCPAM

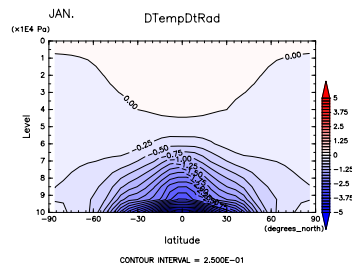


Figure 529:  $(\partial T/\partial t)_{SW+LW}$  at Jan. by DCPAM

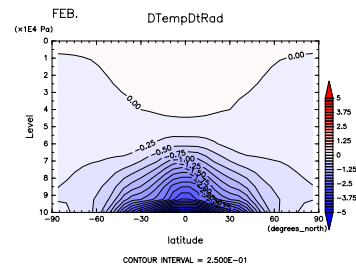


Figure 530:  $(\partial T/\partial t)_{SW+LW}$  at Feb. by DCPAM

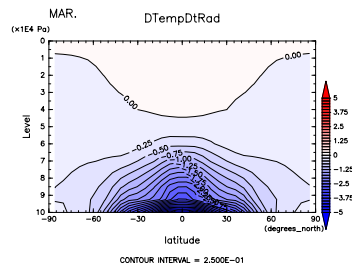


Figure 531:  $(\partial T/\partial t)_{SW+LW}$  at Mar.  
by DCPAM

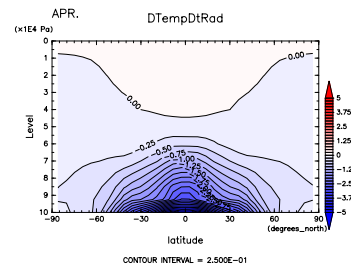


Figure 532:  $(\partial T/\partial t)_{SW+LW}$  at Apr.  
by DCPAM

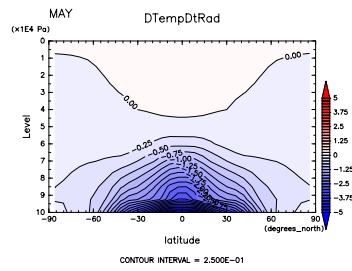


Figure 533:  $(\partial T/\partial t)_{SW+LW}$  at May by DCPAM

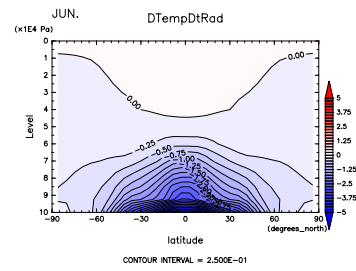


Figure 534:  $(\partial T/\partial t)_{SW+LW}$  at Jun. by DCPAM

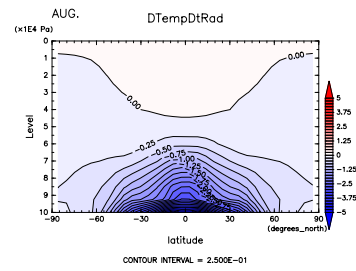
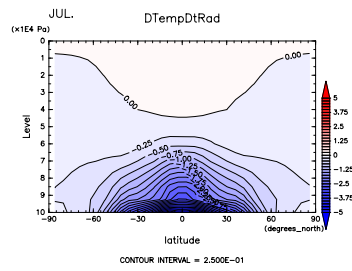


Figure 535:  $(\partial T/\partial t)_{SW+LW}$  at Jul. by DCPAM

Figure 536:  $(\partial T/\partial t)_{SW+LW}$  at Aug. by DCPAM

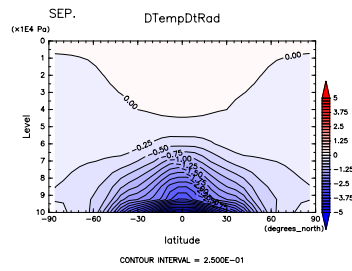


Figure 537:  $(\partial T/\partial t)_{SW+LW}$  at Sep.  
by DCPAM

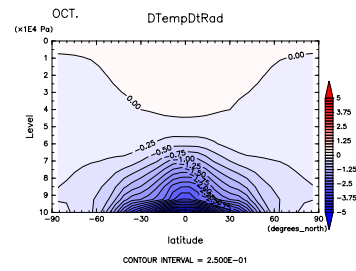


Figure 538:  $(\partial T/\partial t)_{SW+LW}$  at Oct.  
by DCPAM

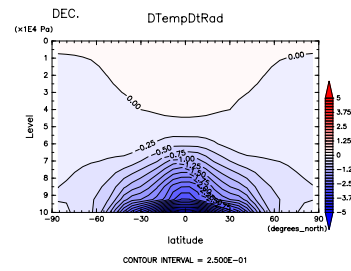
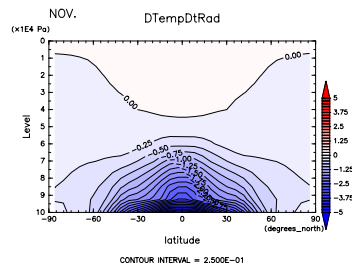


Figure 539:  $(\partial T/\partial t)_{SW+LW}$  at Nov. by DCPAM

Figure 540:  $(\partial T/\partial t)_{SW+LW}$  at Dec. by DCPAM

## 0.2.8 Monthly mean latitude-pressure (logarithmic) distribution



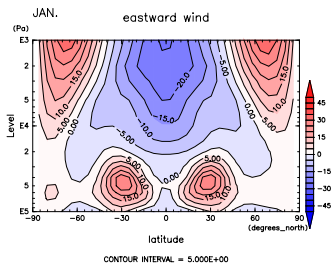


Figure 541: U at Jan. by DCPAM

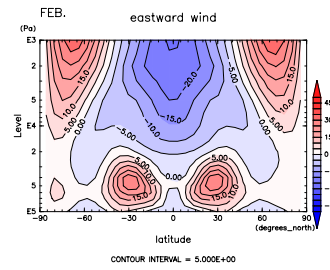


Figure 544: U at Feb. by DCPAM

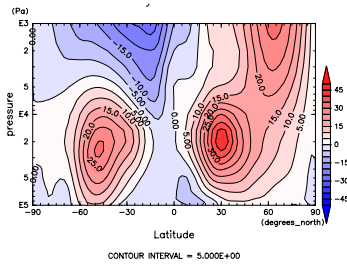


Figure 542: U at Jan. by NCEP

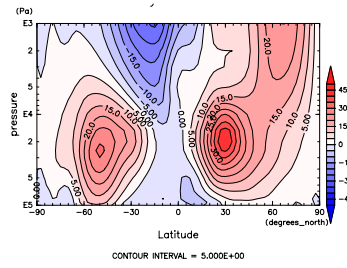


Figure 545: U at Feb. by NCEP

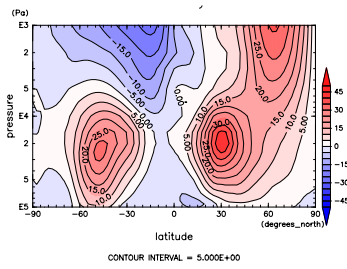


Figure 543: U at Jan. by ECMWF

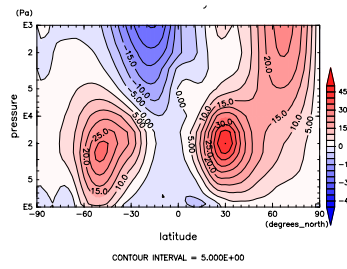


Figure 546: U at Feb. by ECMWF

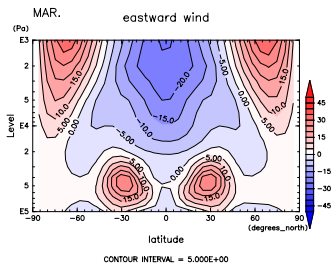


Figure 547: U at Mar. by DCPAM

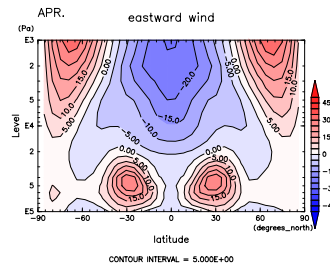


Figure 550: U at Apr. by DCPAM



Figure 548: U at Mar. by NCEP

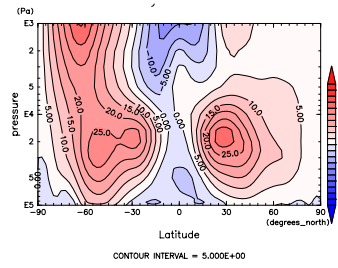


Figure 551: U at Apr. by NCEP

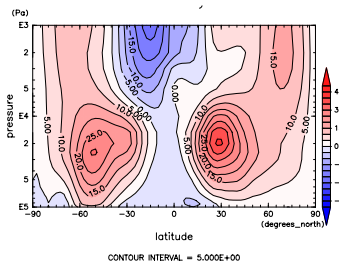


Figure 549: U at Mar. by ECMWF

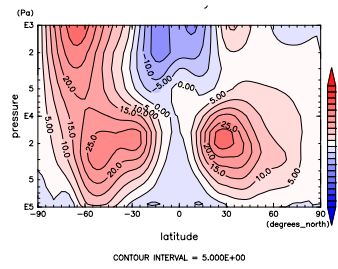


Figure 552: U at Apr. by ECMWF

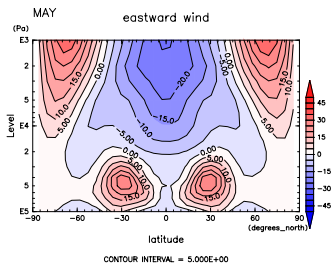


Figure 553: U at May by DCPAM

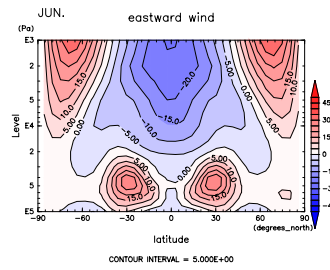


Figure 556: U at Jun. by DCPAM

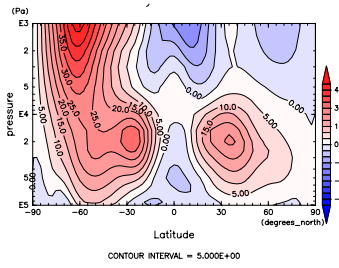


Figure 554: U at May by NCEP

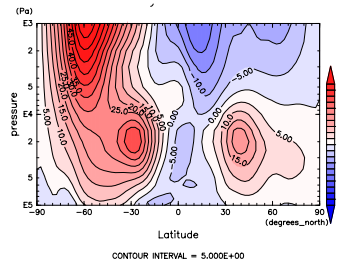


Figure 557: U at Jun. by NCEP

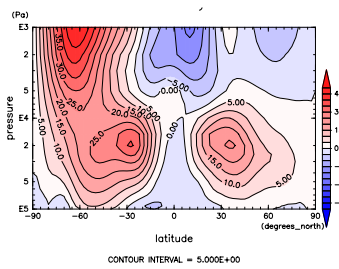


Figure 555: U at May by ECMWF

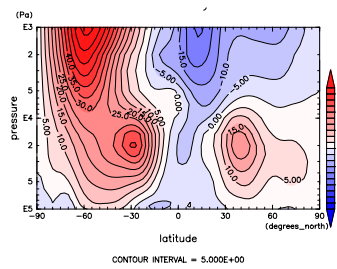


Figure 558: U at Jun. by ECMWF

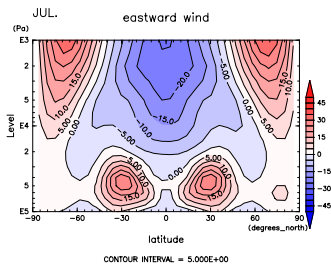


Figure 559: U at Jul. by DCPAM

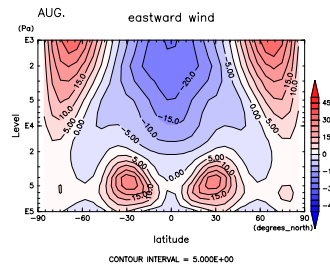


Figure 562: U at Aug. by DCPAM



Figure 560: U at Jul. by NCEP

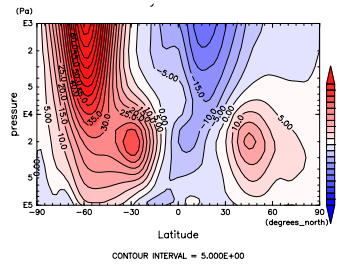


Figure 563: U at Aug. by NCEP

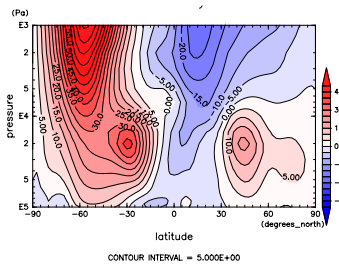


Figure 561: U at Jul. by ECMWF

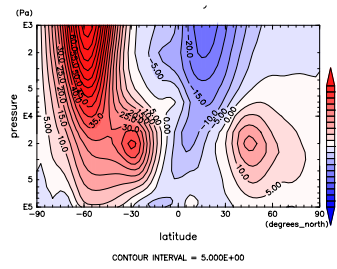


Figure 564: U at Aug. by ECMWF

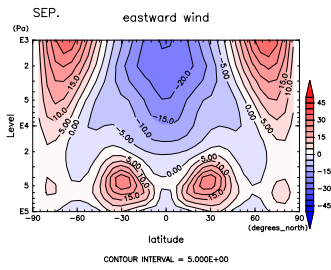


Figure 565: U at Sep. by DCPAM

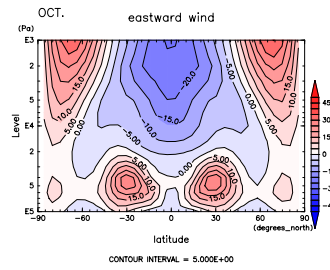


Figure 568: U at Oct. by DCPAM



Figure 566: U at Sep. by NCEP

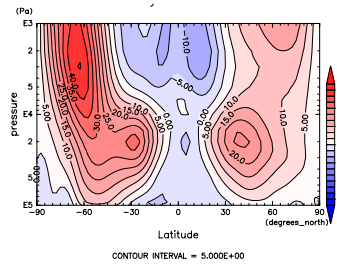


Figure 569: U at Oct. by NCEP

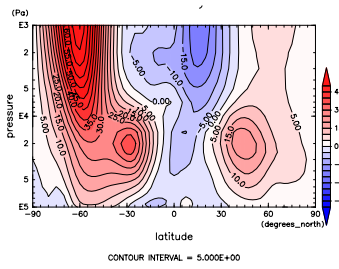


Figure 567: U at Sep. by ECMWF

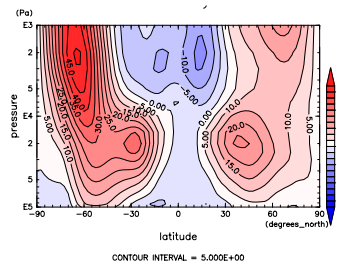


Figure 570: U at Oct. by ECMWF

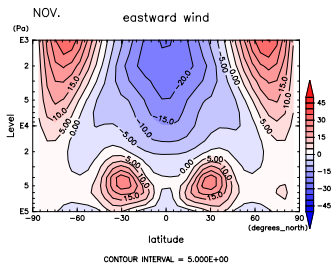


Figure 571: U at Nov. by DCPAM

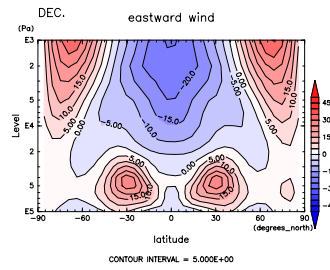


Figure 574: U at Dec. by DCPAM

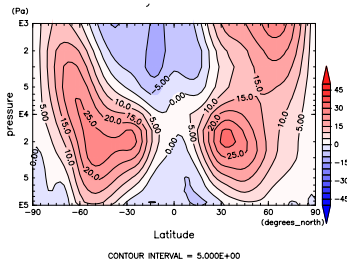


Figure 572: U at Nov. by NCEP

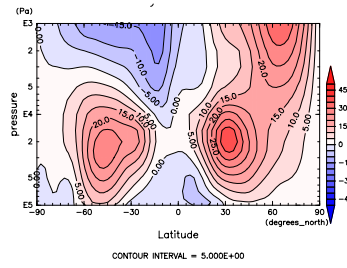


Figure 575: U at Dec. by NCEP

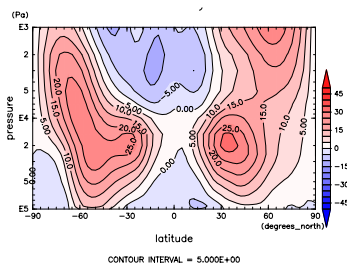


Figure 573: U at Nov. by ECMWF

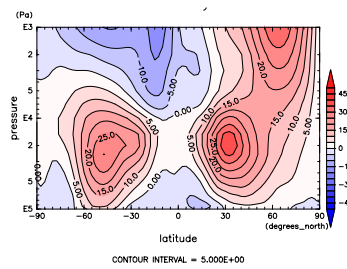


Figure 576: U at Dec. by ECMWF

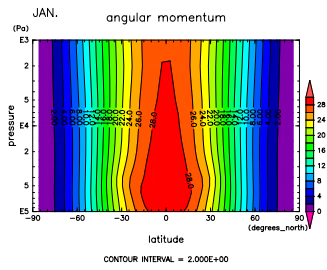


Figure 577: ANG MOM at Jan. by DCPAM

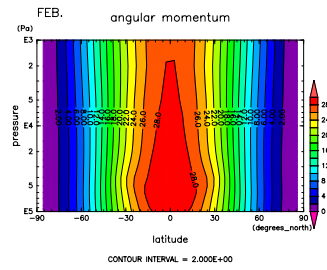


Figure 580: ANG MOM at Feb. by DCPAM

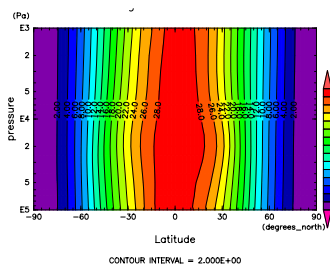


Figure 578: ANG MOM at Jan. by NCEP

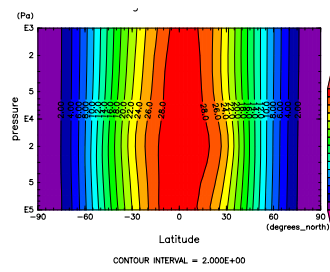


Figure 581: ANG MOM at Feb. by NCEP

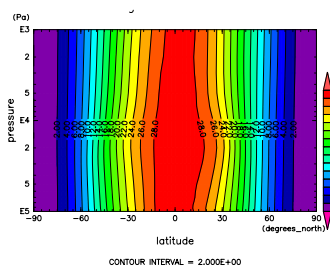


Figure 579: ANG MOM at Jan. by ECMWF

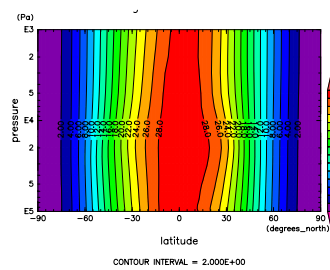


Figure 582: ANG MOM at Feb. by ECMWF

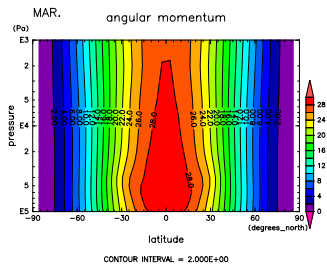


Figure 583: ANGMOM at Mar. by DCPAM

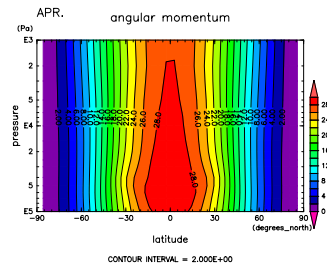


Figure 586: ANGMOM at Apr. by DCPAM

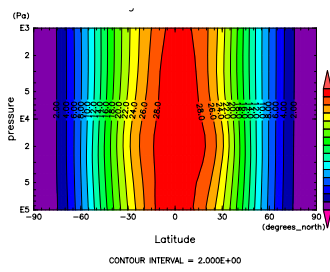


Figure 584: ANGMOM at Mar. by NCEP

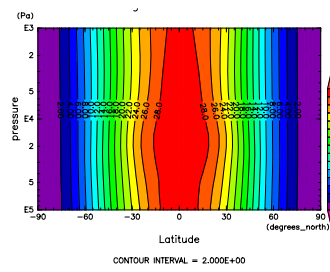


Figure 587: ANGMOM at Apr. by NCEP

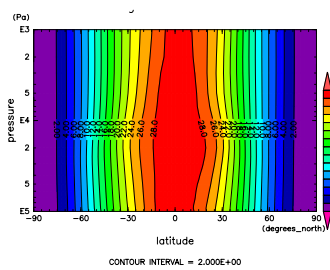


Figure 585: ANGMOM at Mar. by ECMWF

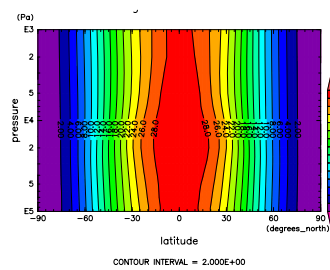


Figure 588: ANGMOM at Apr. by ECMWF



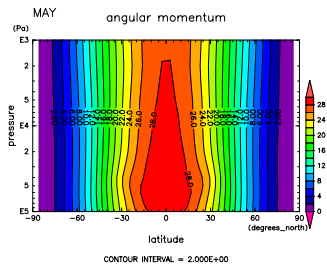


Figure 589: ANGMOM at May by DCPAM

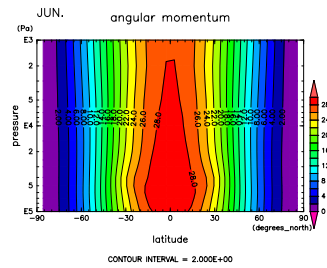


Figure 592: ANGMOM at Jun. by DCPAM

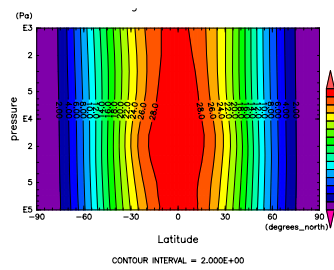


Figure 590: ANGMOM at May by NCEP

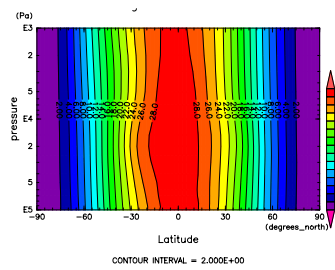


Figure 593: ANGMOM at Jun. by NCEP

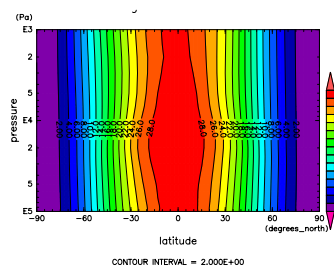


Figure 591: ANGMOM at May by ECMWF

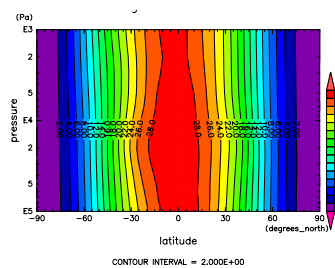


Figure 594: ANGMOM at Jun. by ECMWF

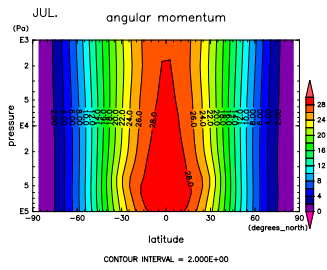


Figure 595: ANGMOM at Jul. by DCPAM

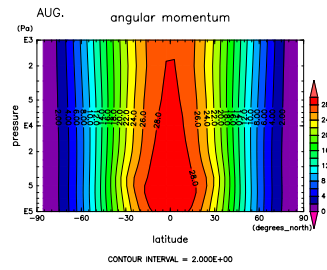


Figure 598: ANGMOM at Aug. by DCPAM

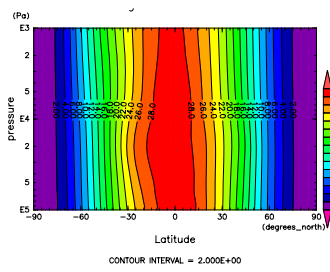


Figure 596: ANGMOM at Jul. by NCEP

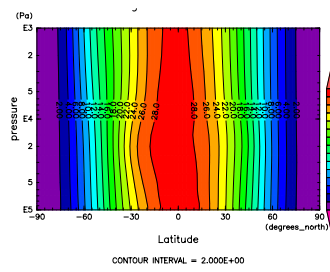


Figure 599: ANGMOM at Aug. by NCEP

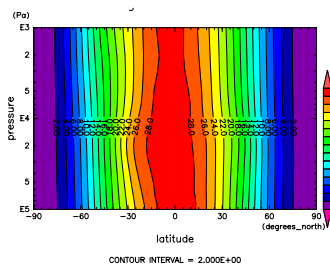


Figure 597: ANGMOM at Jul. by ECMWF

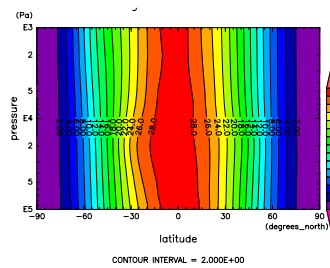


Figure 600: ANGMOM at Aug. by ECMWF

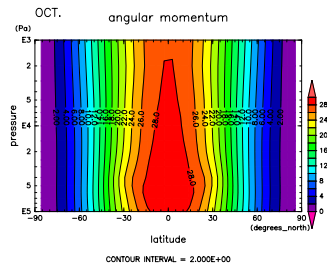
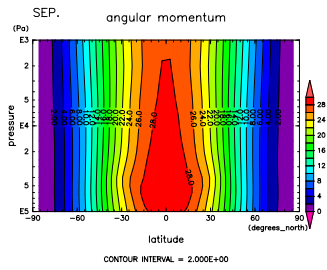


Figure 601: ANG MOM at Sep. by DCPAM by Figure 604: ANG MOM at Oct. by DCPAM

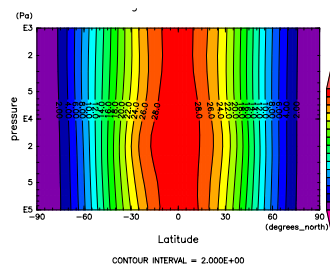
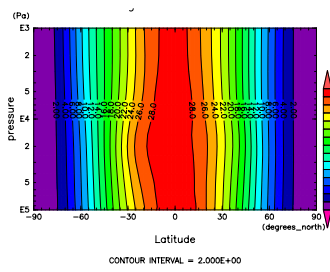


Figure 602: ANG MOM at Sep. by NCEP by Figure 605: ANG MOM at Oct. by NCEP

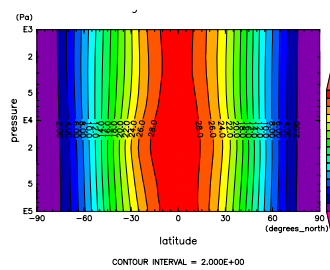
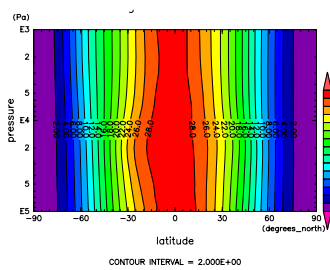


Figure 603: ANG MOM at Sep. by ECMWF by Figure 606: ANG MOM at Oct. by ECMWF

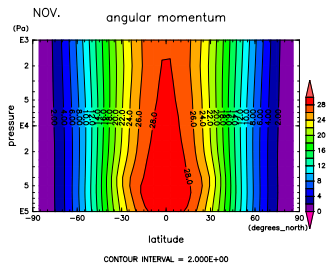


Figure 607: ANG MOM at Nov. by DCPAM

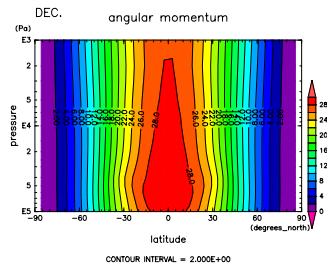


Figure 610: ANG MOM at Dec. by DCPAM

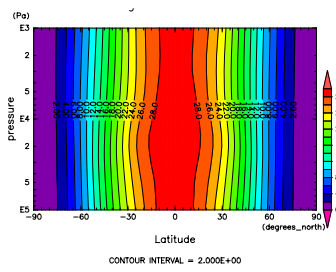


Figure 608: ANG MOM at Nov. by NCEP

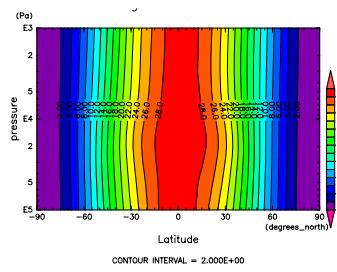


Figure 611: ANG MOM at Dec. by NCEP

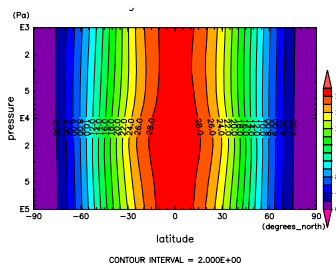


Figure 609: ANG MOM at Nov. by ECMWF

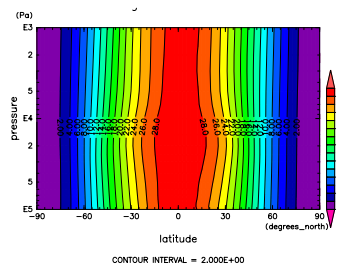


Figure 612: ANG MOM at Dec. by ECMWF

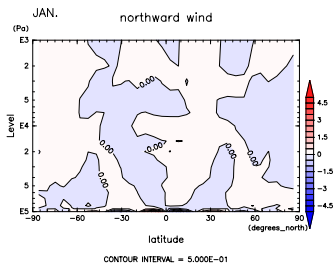


Figure 613: V at Jan. by DCPAM

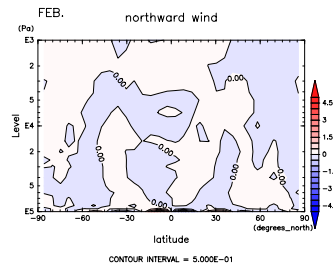


Figure 616: V at Feb. by DCPAM

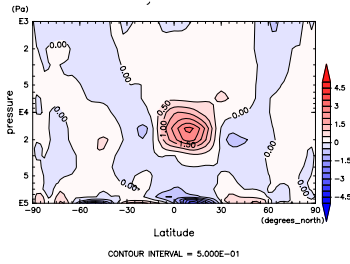


Figure 614: V at Jan. by NCEP

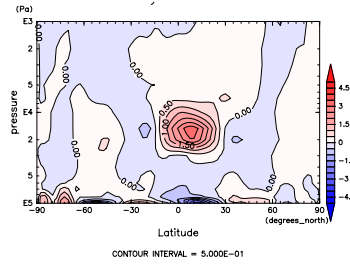


Figure 617: V at Feb. by NCEP



Figure 615: V at Jan. by ECMWF

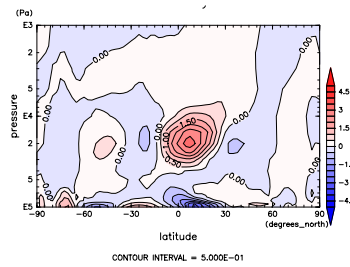


Figure 618: V at Feb. by ECMWF

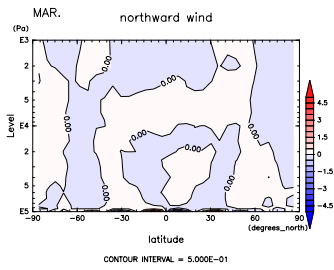


Figure 619: V at Mar. by DCPAM

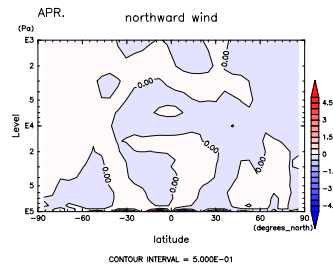


Figure 622: V at Apr. by DCPAM



Figure 620: V at Mar. by NCEP

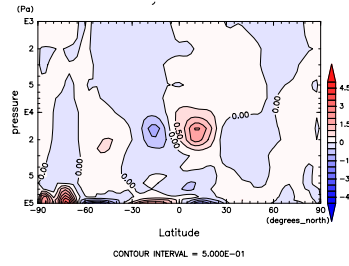


Figure 623: V at Apr. by NCEP



Figure 621: V at Mar. by ECMWF

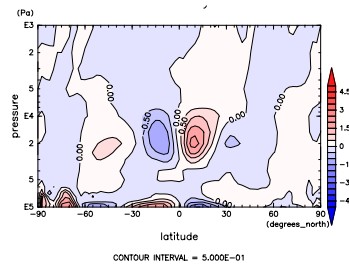


Figure 624: V at Apr. by ECMWF

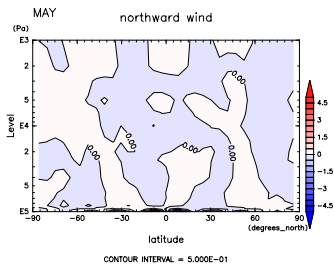


Figure 625: V at May by DCPAM

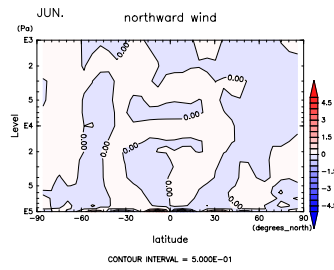


Figure 628: V at Jun. by DCPAM



Figure 626: V at May by NCEP



Figure 629: V at Jun. by NCEP

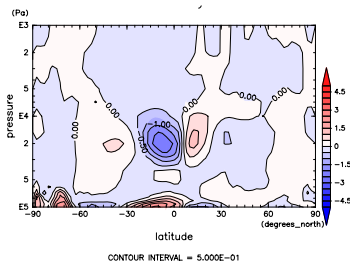


Figure 627: V at May by ECMWF

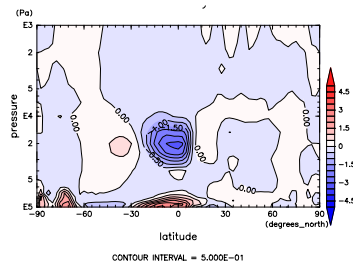


Figure 630: V at Jun. by ECMWF

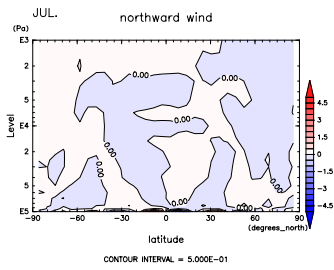


Figure 631: V at Jul. by DCPAM

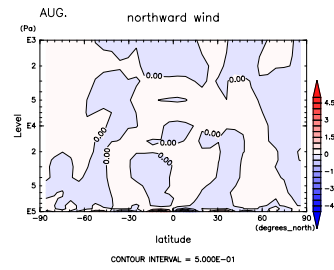


Figure 634: V at Aug. by DCPAM

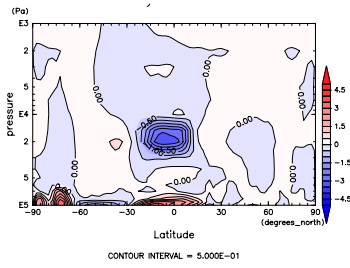


Figure 632: V at Jul. by NCEP

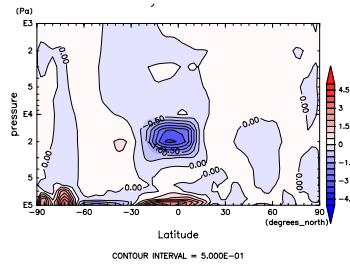


Figure 635: V at Aug. by NCEP

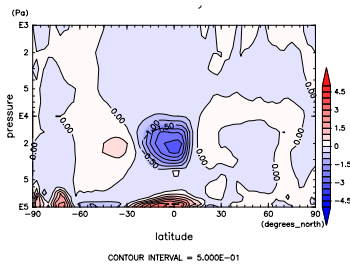


Figure 633: V at Jul. by ECMWF

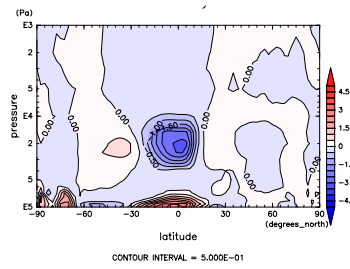


Figure 636: V at Aug. by ECMWF



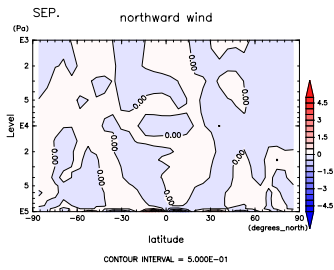


Figure 637: V at Sep. by DCPAM

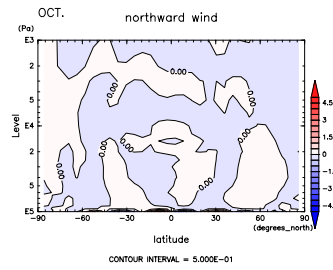


Figure 640: V at Oct. by DCPAM

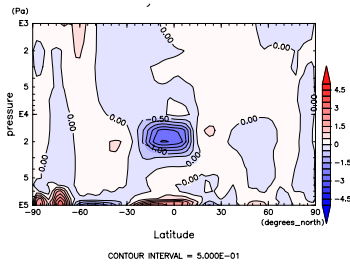


Figure 638: V at Sep. by NCEP

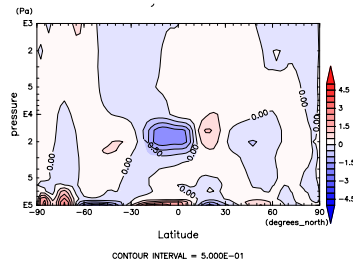


Figure 641: V at Oct. by NCEP

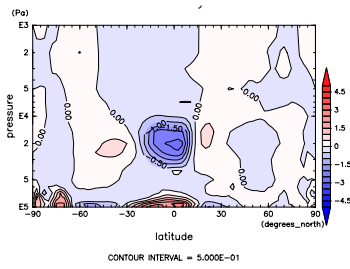


Figure 639: V at Sep. by ECMWF

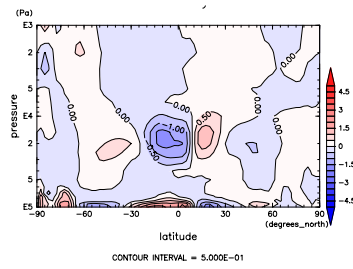


Figure 642: V at Oct. by ECMWF

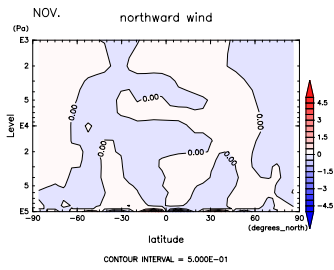


Figure 643: V at Nov. by DCPAM

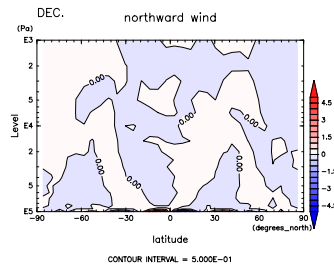


Figure 646: V at Dec. by DCPAM

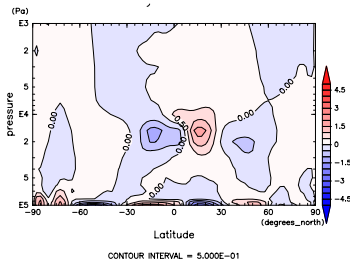


Figure 644: V at Nov. by NCEP

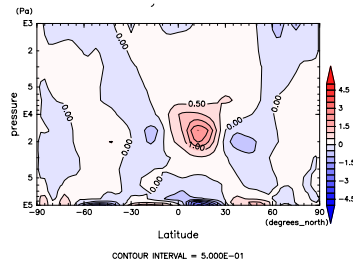


Figure 647: V at Dec. by NCEP

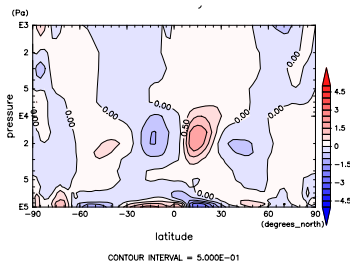


Figure 645: V at Nov. by ECMWF

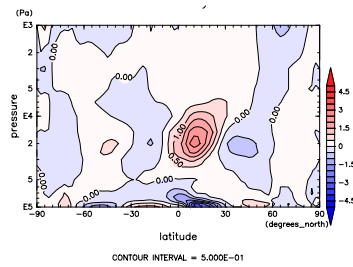


Figure 648: V at Dec. by ECMWF

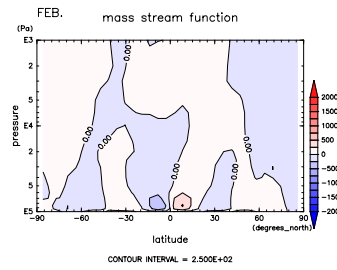
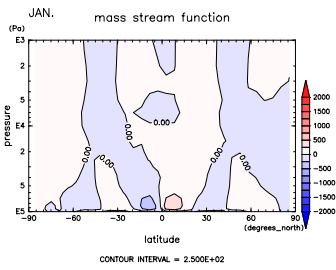


Figure 649: MSF at Jan. by DCPAM    Figure 652: MSF at Feb. by DCPAM

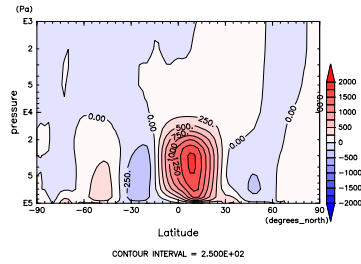
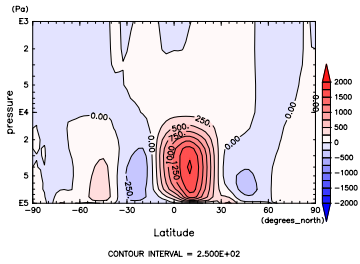


Figure 650: MSF at Jan. by NCEP

Figure 653: MSF at Feb. by NCEP

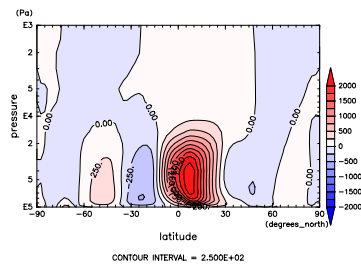
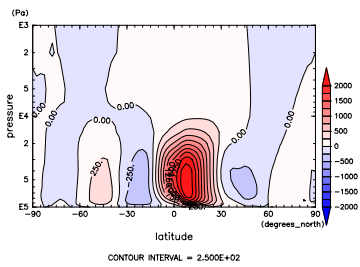


Figure 651: MSF at Jan. by ECMWF

Figure 654: MSF at Feb. by ECMWF

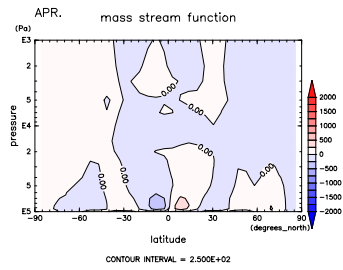
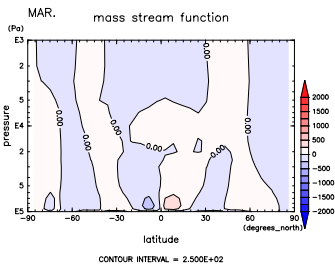


Figure 655: MSF at Mar. by DCPAM    Figure 658: MSF at Apr. by DCPAM

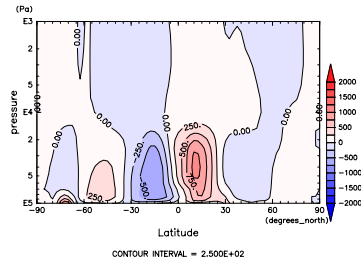
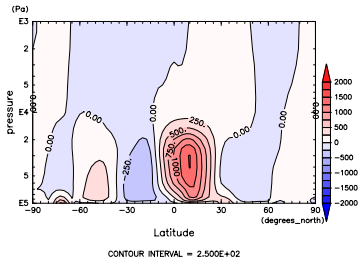


Figure 656: MSF at Mar. by NCEP    Figure 659: MSF at Apr. by NCEP

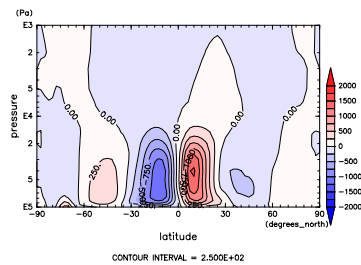
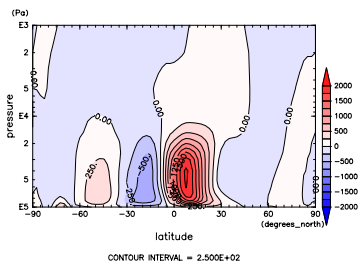


Figure 657: MSF at Mar. by ECMWF    Figure 660: MSF at Apr. by ECMWF

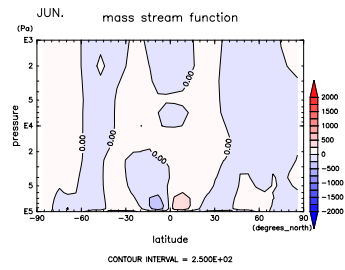
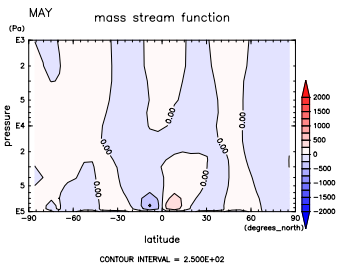


Figure 661: MSF at May by DCPAM    Figure 664: MSF at Jun. by DCPAM

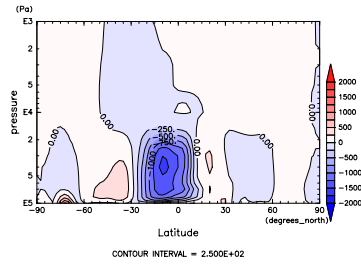
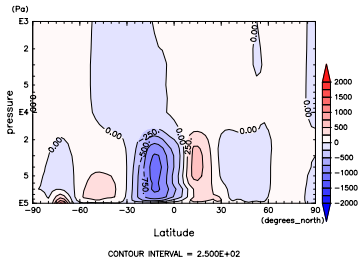


Figure 662: MSF at May by NCEP

Figure 665: MSF at Jun. by NCEP

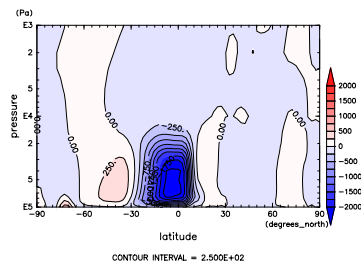
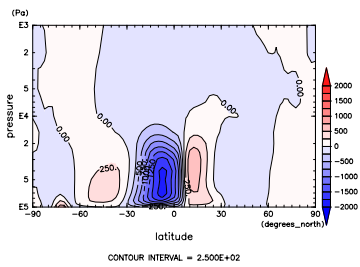


Figure 663: MSF at May by ECMWF

Figure 666: MSF at Jun. by ECMWF

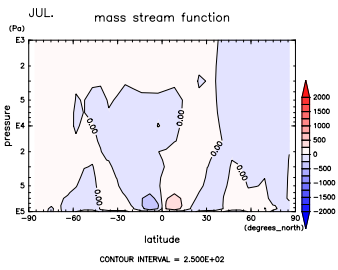


Figure 667: MSF at Jul. by DCPAM

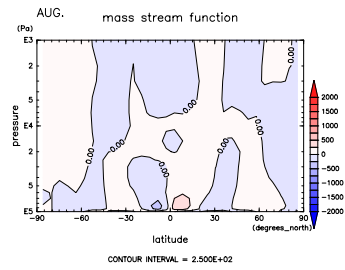


Figure 670: MSF at Aug. by DCPAM

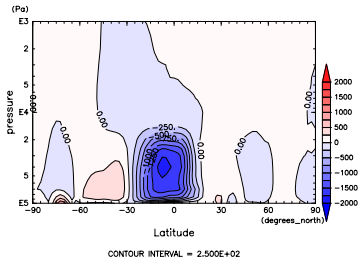


Figure 668: MSF at Jul. by NCEP

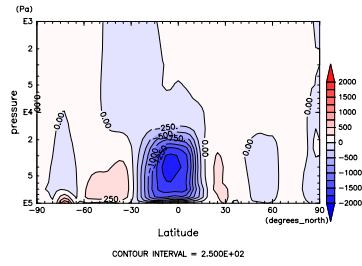


Figure 671: MSF at Aug. by NCEP

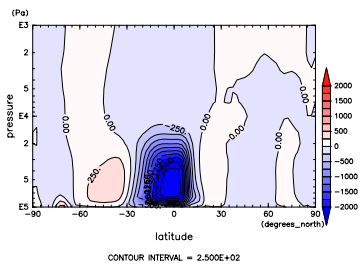


Figure 669: MSF at Jul. by ECMWF

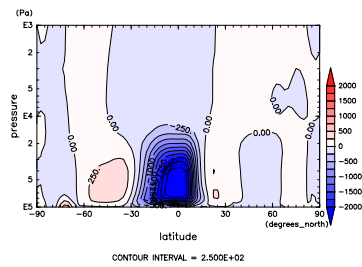


Figure 672: MSF at Aug. by ECMWF

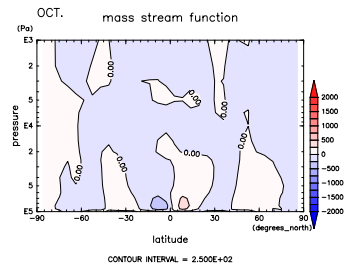
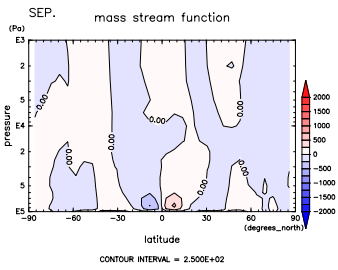


Figure 673: MSF at Sep. by DCPAM    Figure 676: MSF at Oct. by DCPAM

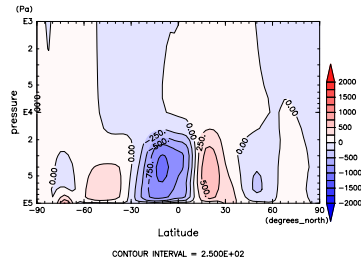


Figure 674: MSF at Sep. by NCEP

Figure 677: MSF at Oct. by NCEP

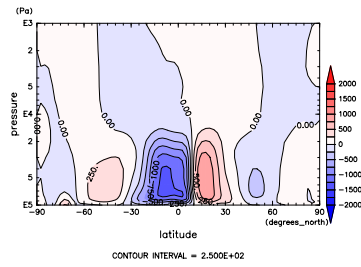
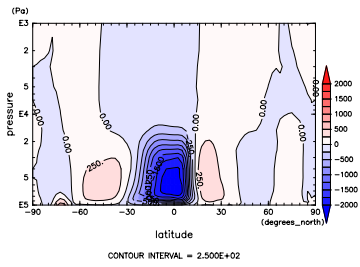


Figure 675: MSF at Sep. by ECMWF    Figure 678: MSF at Oct. by ECMWF

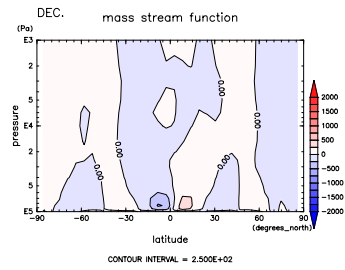
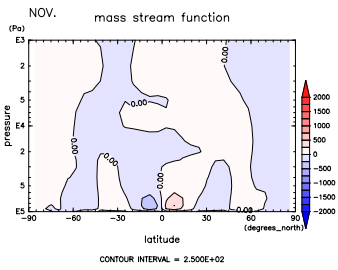


Figure 679: MSF at Nov. by DCPAM    Figure 682: MSF at Dec. by DCPAM

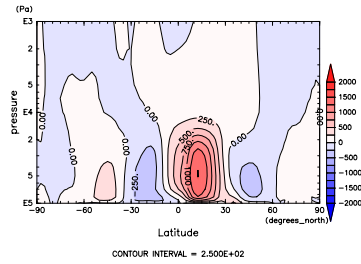
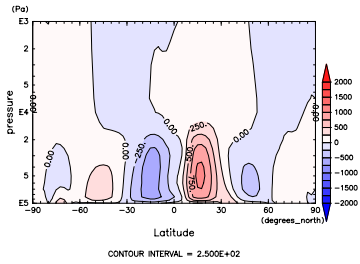


Figure 680: MSF at Nov. by NCEP

Figure 683: MSF at Dec. by NCEP

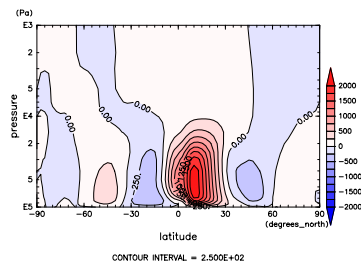
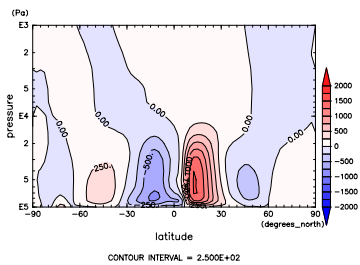


Figure 681: MSF at Nov. by ECMWF

Figure 684: MSF at Dec. by ECMWF



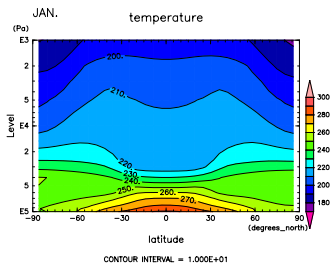


Figure 685: T at Jan. by DCPAM

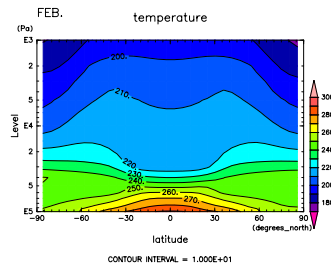


Figure 688: T at Feb. by DCPAM

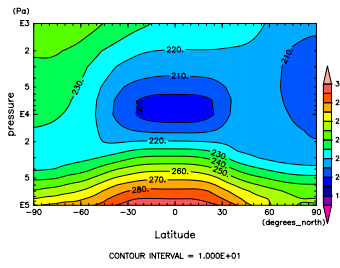


Figure 686: T at Jan. by NCEP

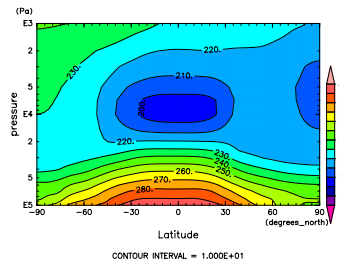


Figure 689: T at Feb. by NCEP

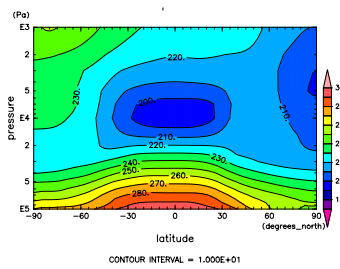


Figure 687: T at Jan. by ECMWF

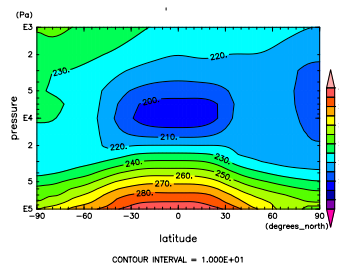


Figure 690: T at Feb. by ECMWF

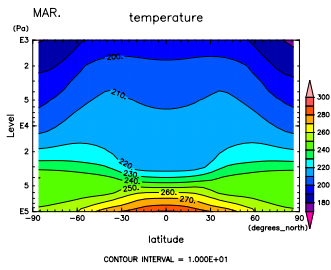


Figure 691: T at Mar. by DCPAM

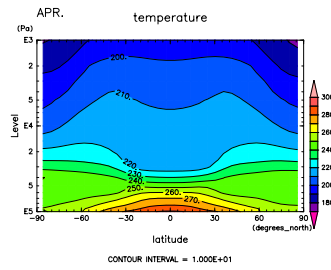


Figure 694: T at Apr. by DCPAM

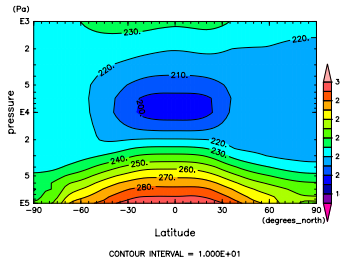


Figure 692: T at Mar. by NCEP

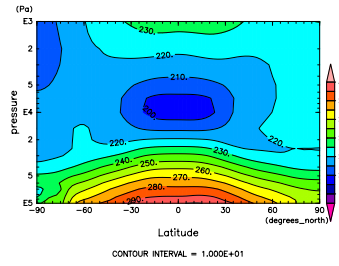


Figure 695: T at Apr. by NCEP

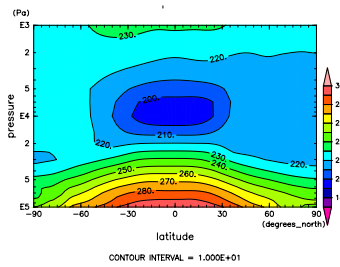


Figure 693: T at Mar. by ECMWF

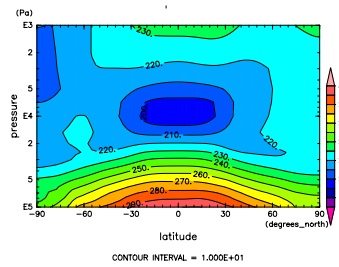


Figure 696: T at Apr. by ECMWF

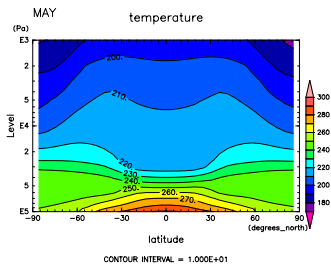


Figure 697: T at May by DCPAM

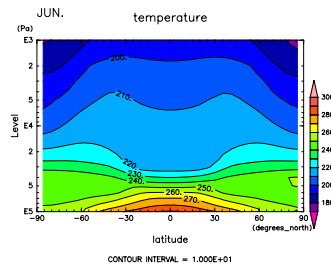


Figure 700: T at Jun. by DCPAM



Figure 698: T at May by NCEP



Figure 701: T at Jun. by NCEP



Figure 699: T at May by ECMWF



Figure 702: T at Jun. by ECMWF

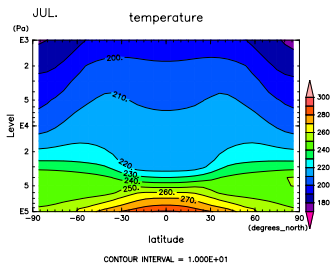


Figure 703: T at Jul. by DCPAM

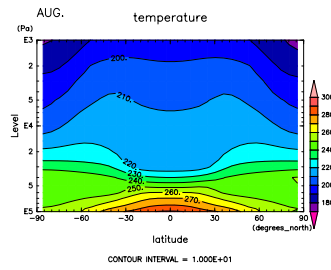


Figure 706: T at Aug. by DCPAM

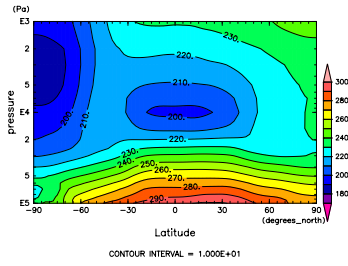


Figure 704: T at Jul. by NCEP

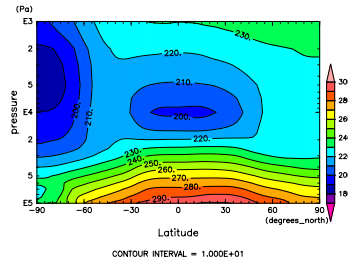


Figure 707: T at Aug. by NCEP

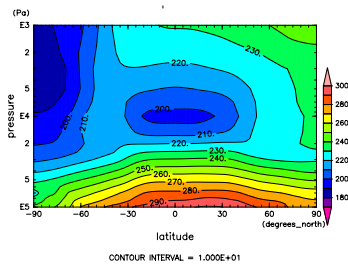


Figure 705: T at Jul. by ECMWF

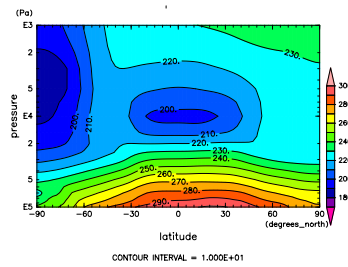


Figure 708: T at Aug. by ECMWF

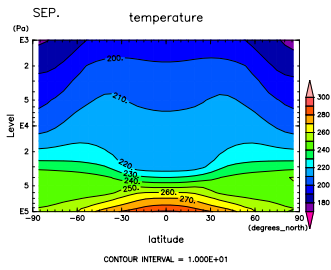


Figure 709: T at Sep. by DCPAM

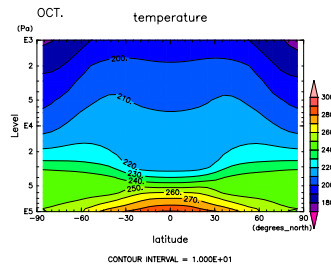


Figure 712: T at Oct. by DCPAM



Figure 710: T at Sep. by NCEP

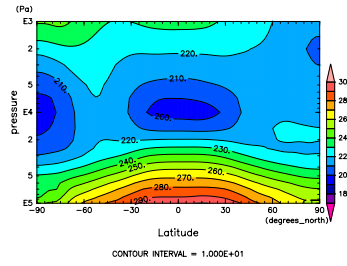


Figure 713: T at Oct. by NCEP



Figure 711: T at Sep. by ECMWF

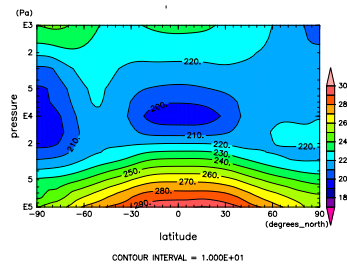


Figure 714: T at Oct. by ECMWF

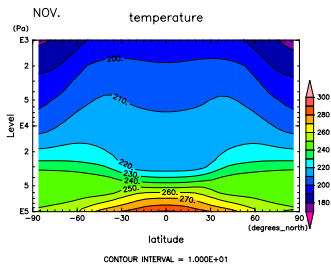


Figure 715: T at Nov. by DCPAM

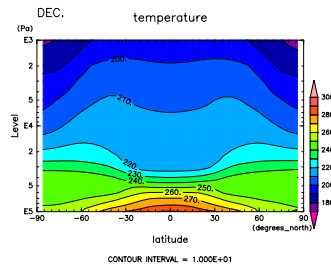


Figure 718: T at Dec. by DCPAM

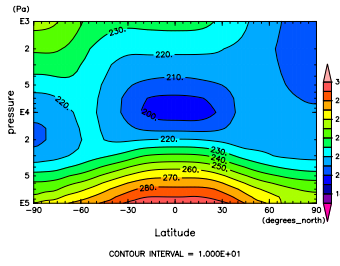


Figure 716: T at Nov. by NCEP

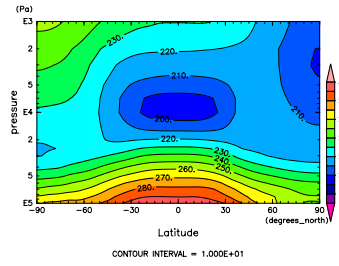


Figure 719: T at Dec. by NCEP

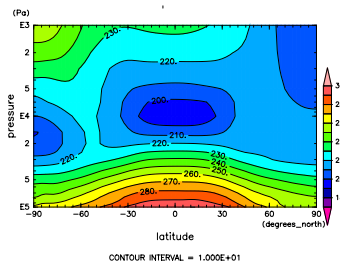


Figure 717: T at Nov. by ECMWF

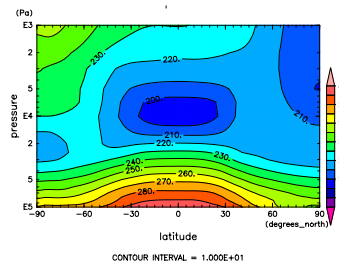


Figure 720: T at Dec. by ECMWF

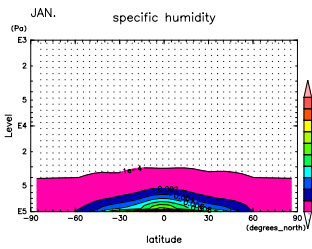


Figure 721: q at Jan. by DCPAM

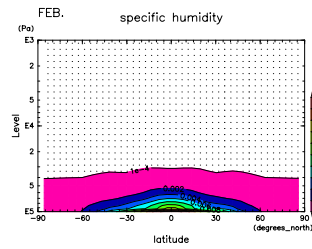


Figure 724: q at Feb. by DCPAM

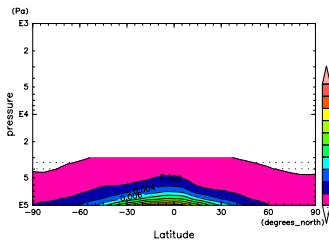


Figure 722: q at Jan. by NCEP

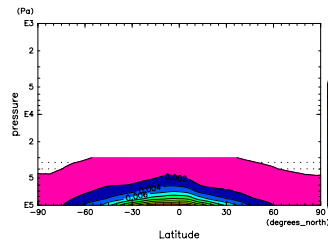


Figure 725: q at Feb. by NCEP

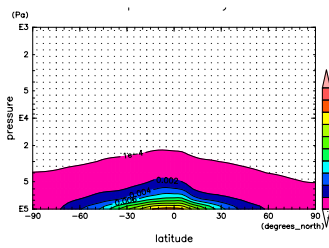


Figure 723: q at Jan. by ECMWF

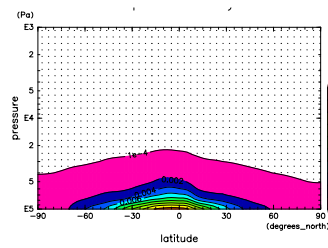


Figure 726: q at Feb. by ECMWF

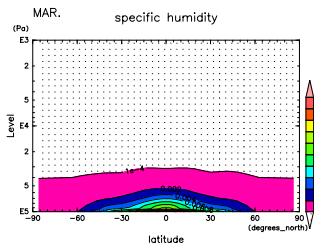


Figure 727: q at Mar. by DCPAM

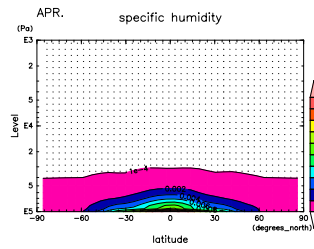


Figure 730: q at Apr. by DCPAM

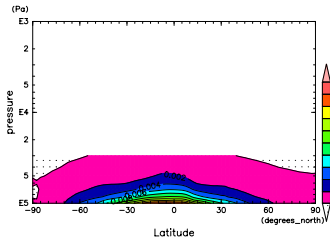


Figure 728: q at Mar. by NCEP

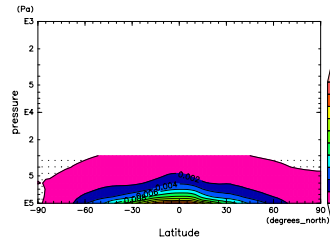


Figure 731: q at Apr. by NCEP

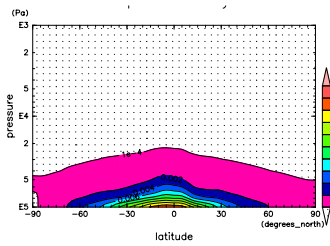


Figure 729: q at Mar. by ECMWF

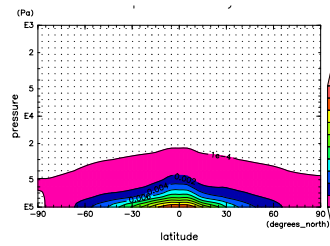


Figure 732: q at Apr. by ECMWF



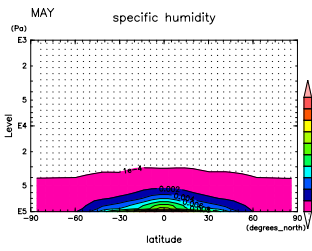


Figure 733: q at May by DCPAM

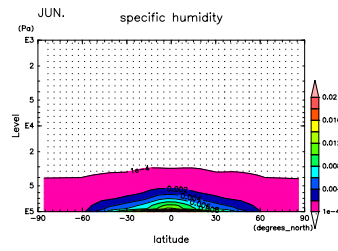


Figure 736: q at Jun. by DCPAM

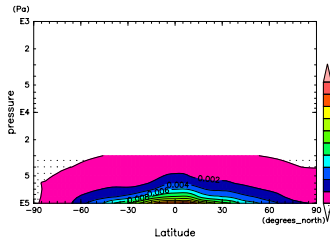


Figure 734: q at May by NCEP

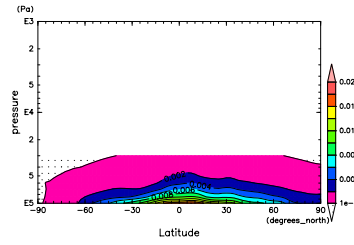


Figure 737: q at Jun. by NCEP

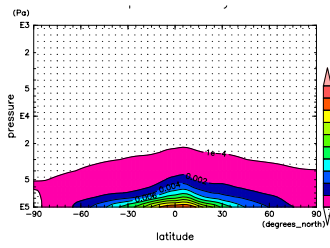


Figure 735: q at May by ECMWF

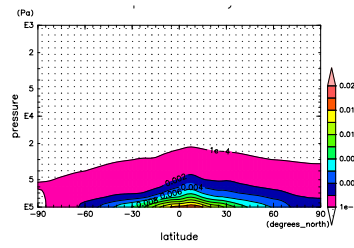


Figure 738: q at Jun. by ECMWF

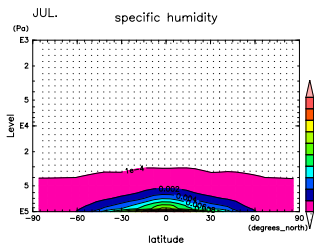


Figure 739: q at Jul. by DCPAM

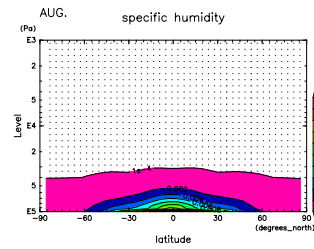


Figure 742: q at Aug. by DCPAM

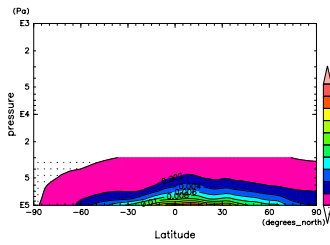


Figure 740: q at Jul. by NCEP

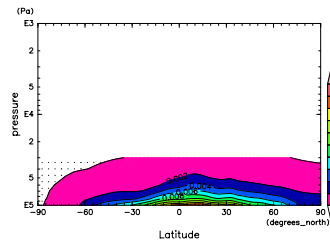


Figure 743: q at Aug. by NCEP

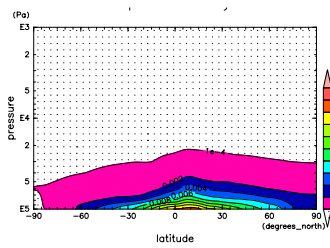


Figure 741: q at Jul. by ECMWF

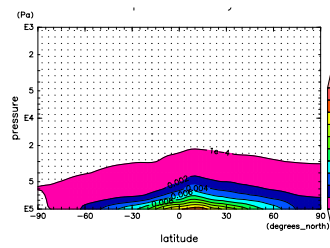


Figure 744: q at Aug. by ECMWF

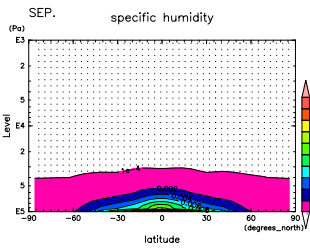


Figure 745: q at Sep. by DCPAM

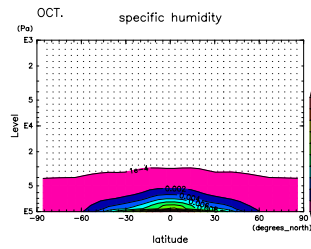


Figure 748: q at Oct. by DCPAM

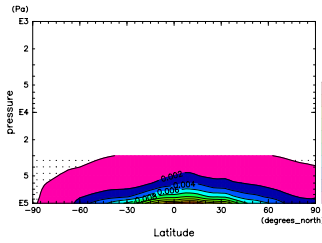


Figure 746: q at Sep. by NCEP

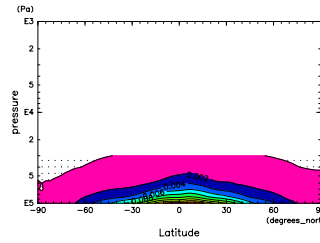


Figure 749: q at Oct. by NCEP

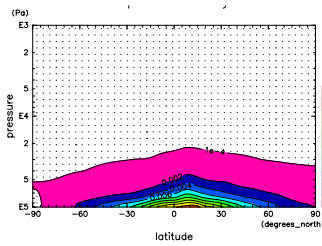


Figure 747: q at Sep. by ECMWF

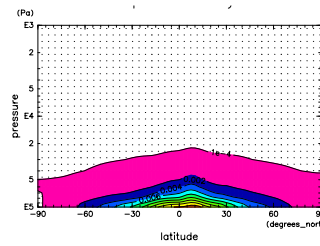


Figure 750: q at Oct. by ECMWF

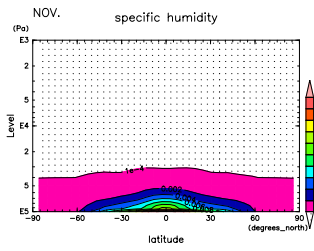


Figure 751: q at Nov. by DCPAM

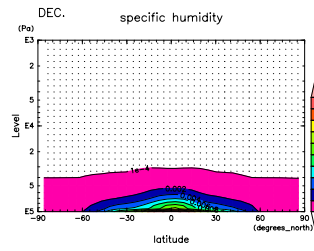


Figure 754: q at Dec. by DCPAM

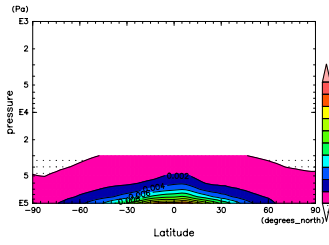


Figure 752: q at Nov. by NCEP

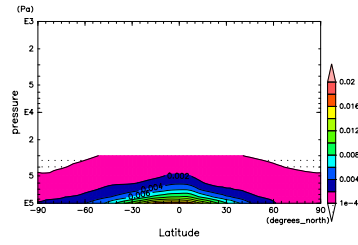


Figure 755: q at Dec. by NCEP

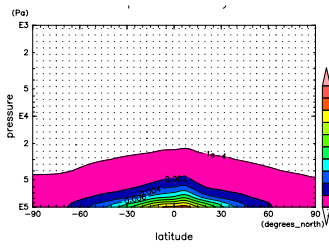


Figure 753: q at Nov. by ECMWF

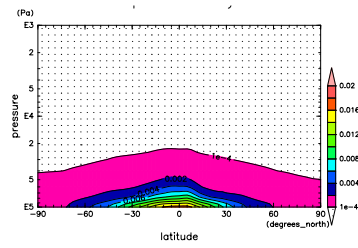


Figure 756: q at Dec. by ECMWF

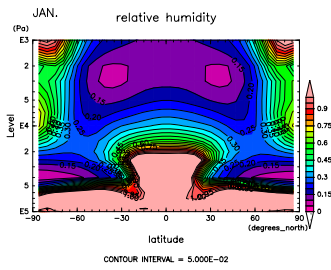


Figure 757: RH at Jan. by DCPAM

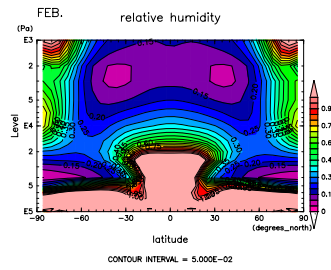


Figure 760: RH at Feb. by DCPAM

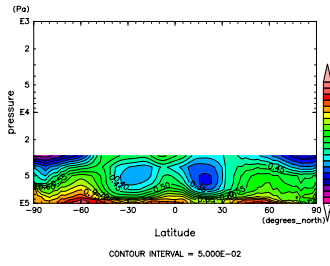


Figure 758: RH at Jan. by NCEP

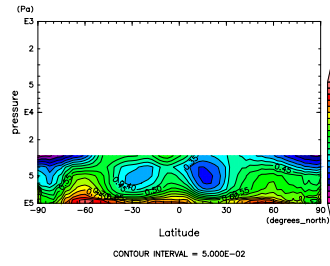


Figure 761: RH at Feb. by NCEP

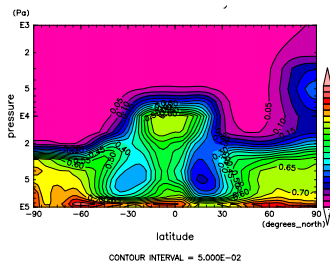


Figure 759: RH at Jan. by ECMWF

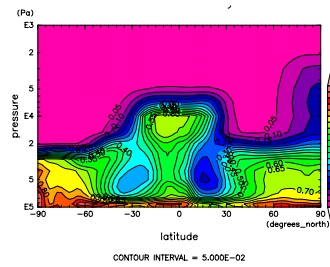


Figure 762: RH at Feb. by ECMWF

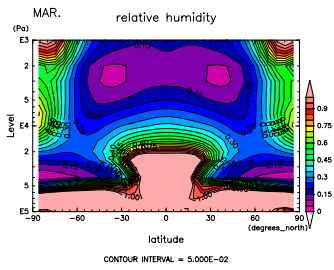


Figure 763: RH at Mar. by DCPAM

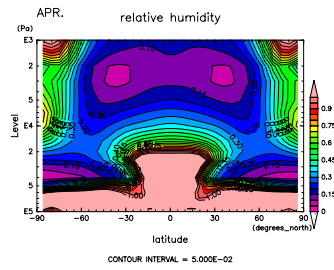


Figure 766: RH at Apr. by DCPAM

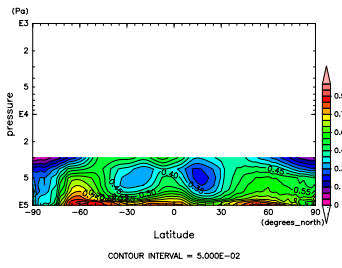


Figure 764: RH at Mar. by NCEP

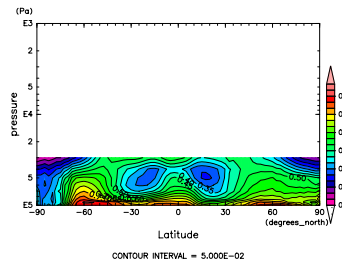


Figure 767: RH at Apr. by NCEP

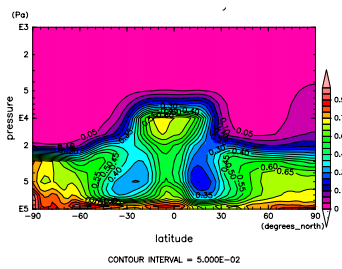


Figure 765: RH at Mar. by ECMWF

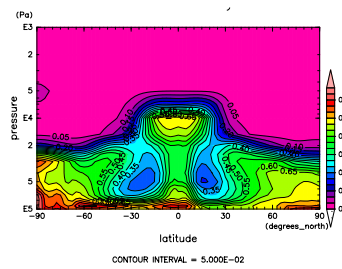


Figure 768: RH at Apr. by ECMWF

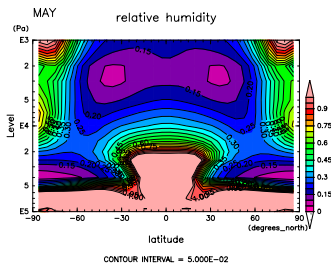


Figure 769: RH at May by DCPAM

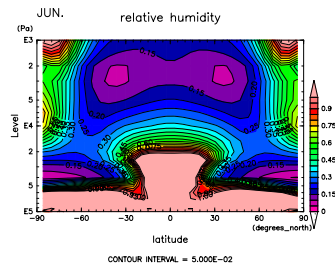


Figure 772: RH at Jun. by DCPAM

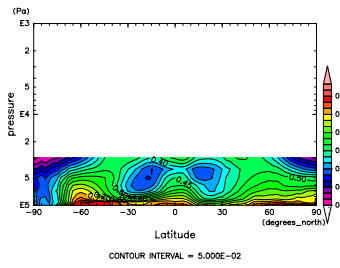


Figure 770: RH at May by NCEP

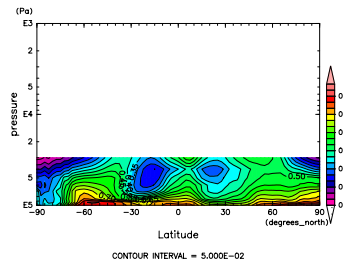


Figure 773: RH at Jun. by NCEP

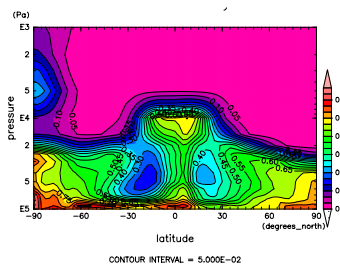


Figure 771: RH at May by ECMWF

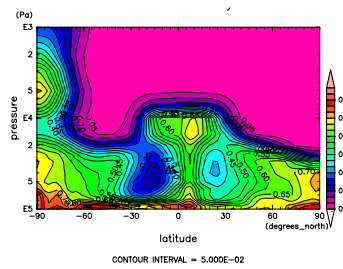


Figure 774: RH at Jun. by ECMWF

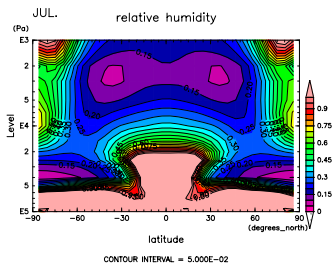


Figure 775: RH at Jul. by DCPAM

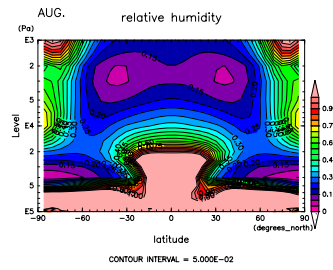


Figure 778: RH at Aug. by DCPAM

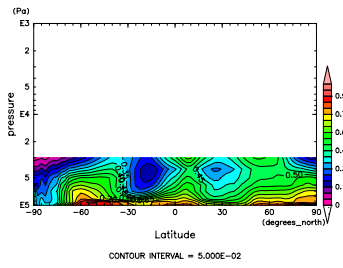


Figure 776: RH at Jul. by NCEP

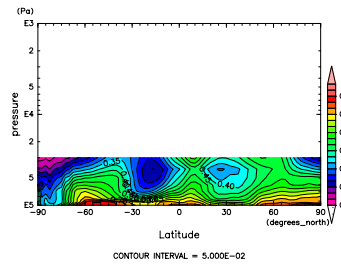


Figure 779: RH at Aug. by NCEP

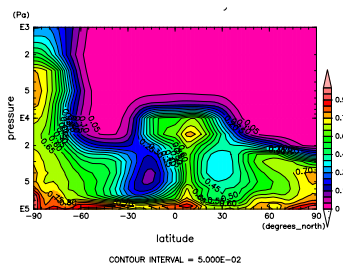


Figure 777: RH at Jul. by ECMWF

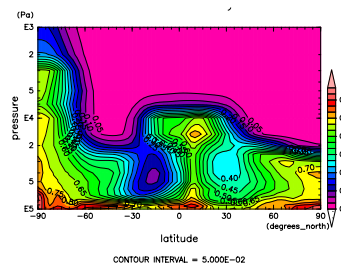


Figure 780: RH at Aug. by ECMWF



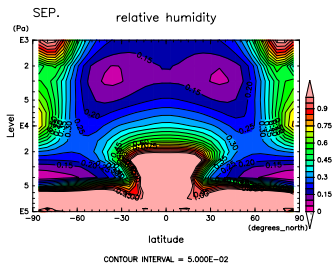


Figure 781: RH at Sep. by DCPAM

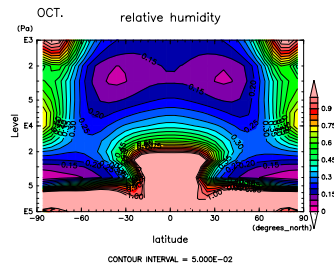


Figure 784: RH at Oct. by DCPAM

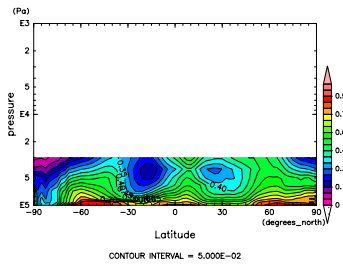


Figure 782: RH at Sep. by NCEP

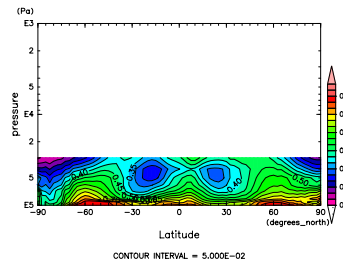


Figure 785: RH at Oct. by NCEP

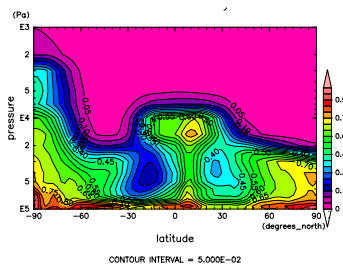


Figure 783: RH at Sep. by ECMWF

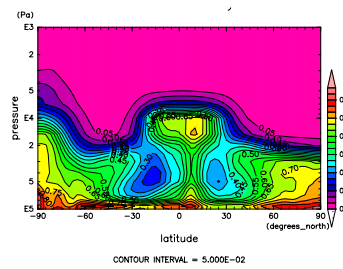


Figure 786: RH at Oct. by ECMWF

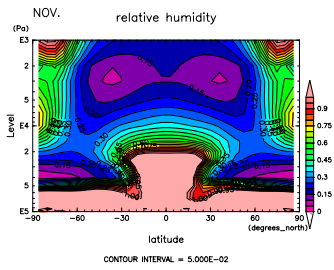


Figure 787: RH at Nov. by DCPAM

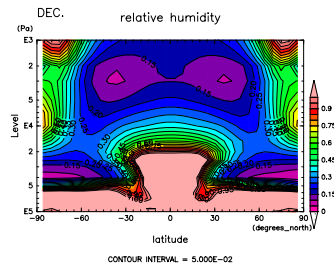


Figure 790: RH at Dec. by DCPAM

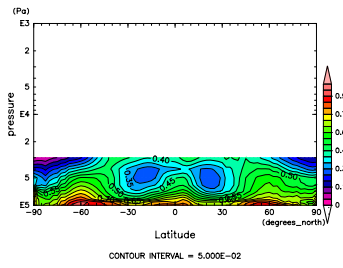


Figure 788: RH at Nov. by NCEP

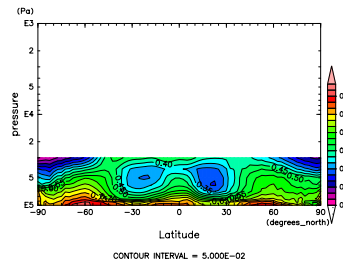


Figure 791: RH at Dec. by NCEP

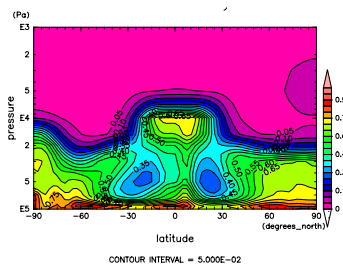


Figure 789: RH at Nov. by ECMWF

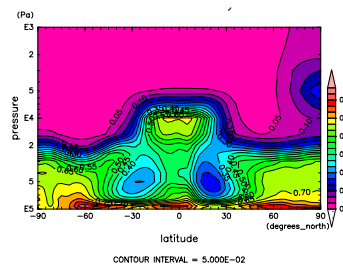


Figure 792: RH at Dec. by ECMWF

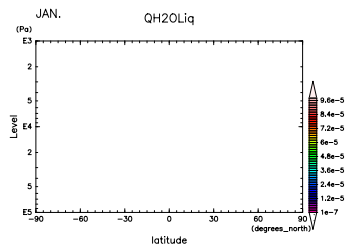


Figure 793:  $q_l$  at Jan. by DCPAM

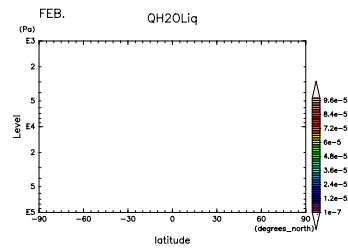


Figure 794:  $q_l$  at Feb. by DCPAM

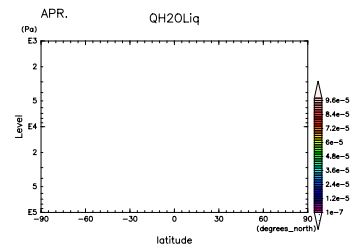
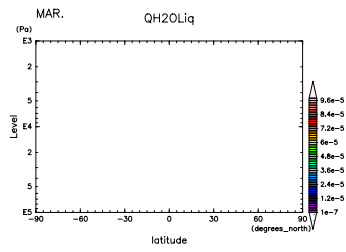


Figure 795:  $q_l$  at Mar. by DCPAM

Figure 796:  $q_l$  at Apr. by DCPAM

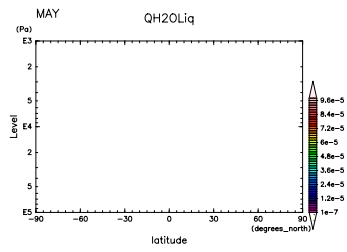


Figure 797:  $q_l$  at May by DCPAM

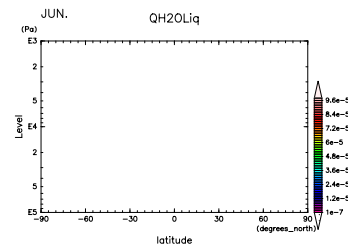


Figure 798:  $q_l$  at Jun. by DCPAM



Figure 799:  $q_l$  at Jul. by DCPAM

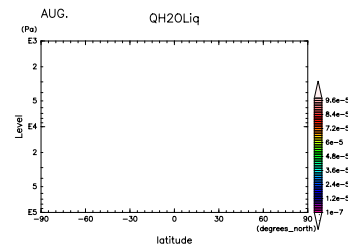


Figure 800:  $q_l$  at Aug. by DCPAM

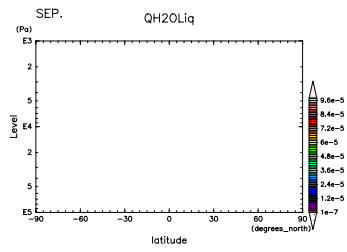


Figure 801:  $q_l$  at Sep. by DCPAM

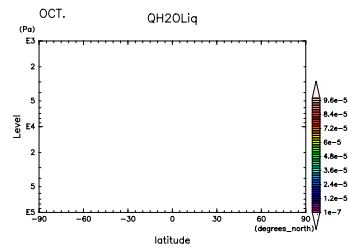


Figure 802:  $q_l$  at Oct. by DCPAM



Figure 803:  $q_l$  at Nov. by DCPAM

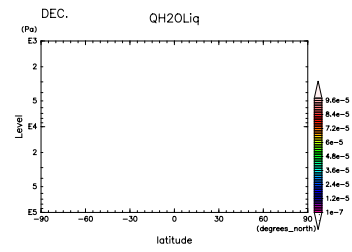


Figure 804:  $q_l$  at Dec. by DCPAM



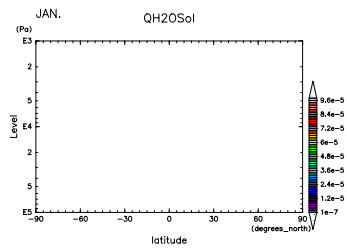


Figure 805:  $q_i$  at Jan. by DCPAM

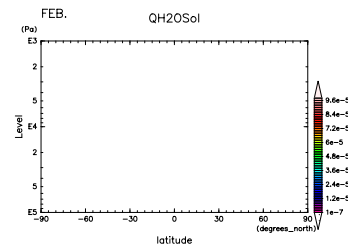


Figure 806:  $q_i$  at Feb. by DCPAM

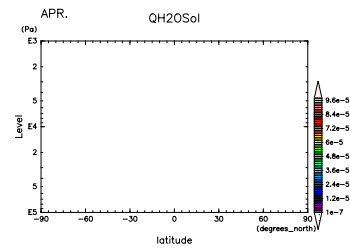
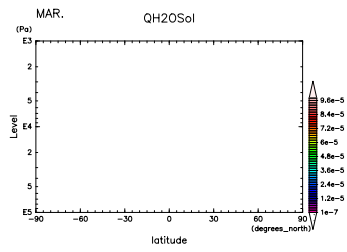


Figure 807:  $q_i$  at Mar. by DCPAM

Figure 808:  $q_i$  at Apr. by DCPAM

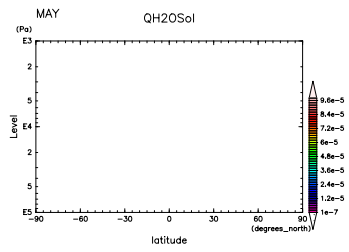


Figure 809:  $q_i$  at May by DCPAM

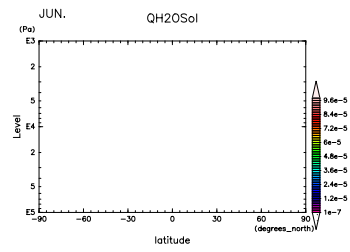


Figure 810:  $q_i$  at Jun. by DCPAM

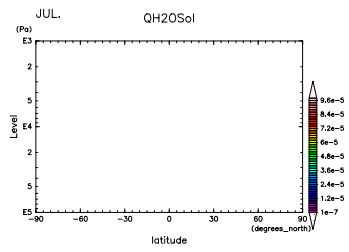


Figure 811:  $q_i$  at Jul. by DCPAM

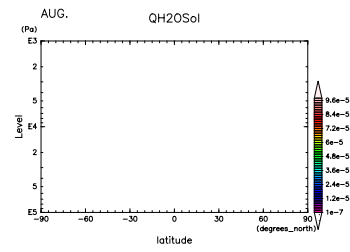


Figure 812:  $q_i$  at Aug. by DCPAM

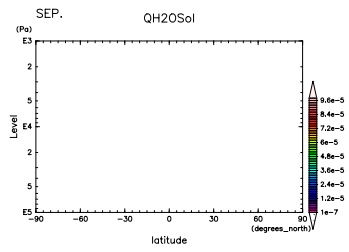


Figure 813:  $q_i$  at Sep. by DCPAM

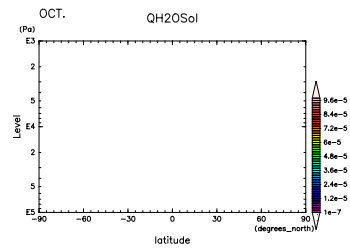


Figure 814:  $q_i$  at Oct. by DCPAM

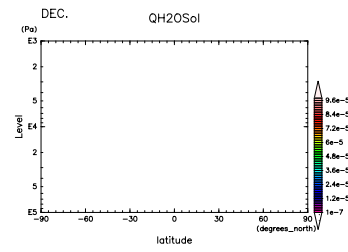
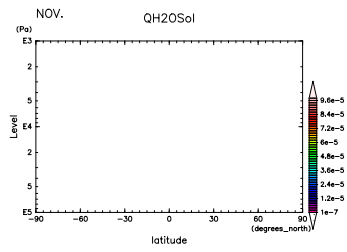


Figure 815:  $q_i$  at Nov. by DCPAM

Figure 816:  $q_i$  at Dec. by DCPAM



Figure 817:  $q_l + q_i$  at Jan. by DCPAM    Figure 818:  $q_l + q_i$  at Feb. by DCPAM

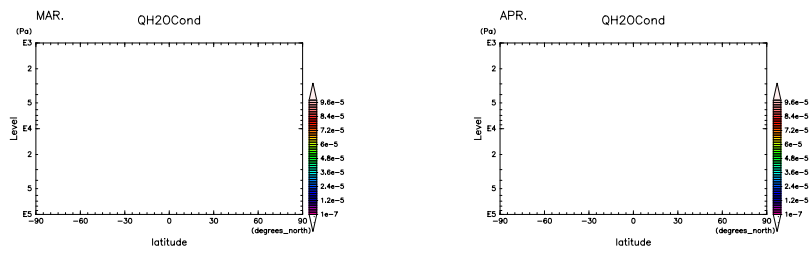


Figure 819:  $q_l + q_i$  at Mar. by DCPAM    Figure 820:  $q_l + q_i$  at Apr. by DCPAM



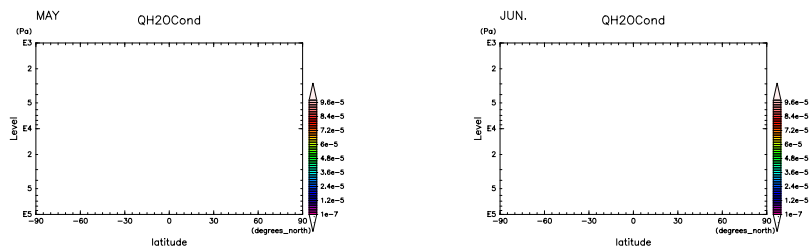


Figure 821:  $q_l + q_i$  at May by DCPAM    Figure 822:  $q_l + q_i$  at Jun. by DCPAM

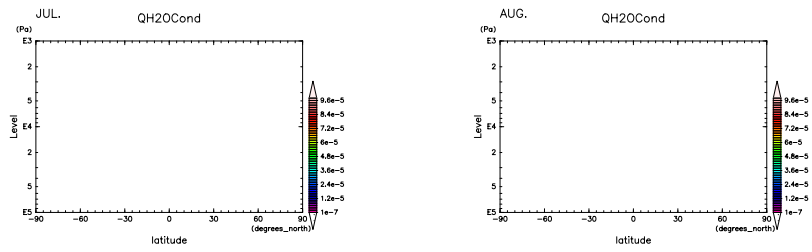


Figure 823:  $q_l + q_i$  at Jul. by DCPAM    Figure 824:  $q_l + q_i$  at Aug. by DCPAM



Figure 825:  $q_l + q_i$  at Sep. by DCPAM    Figure 826:  $q_l + q_i$  at Oct. by DCPAM

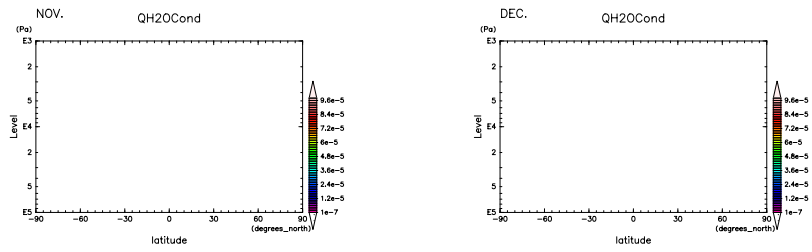


Figure 827:  $q_l + q_i$  at Nov. by DCPAM    Figure 828:  $q_l + q_i$  at Dec. by DCPAM

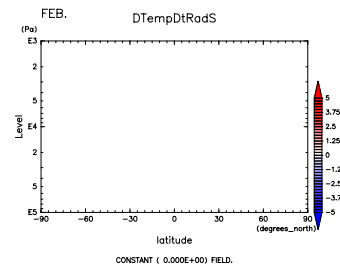
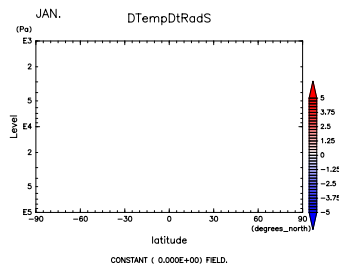


Figure 829:  $(\partial T/\partial t)_{sw}$  at Jan. by DCPAM      Figure 830:  $(\partial T/\partial t)_{sw}$  at Feb. by DCPAM

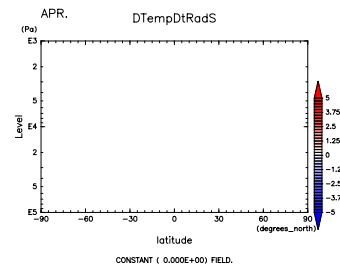
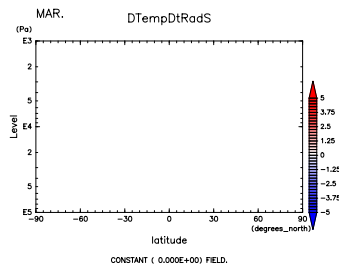


Figure 831:  $(\partial T/\partial t)_{SW}$  at Mar. by DCPAM      Figure 832:  $(\partial T/\partial t)_{SW}$  at Apr. by DCPAM

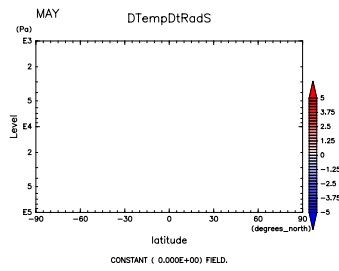


Figure 833:  $(\partial T/\partial t)_{SW}$  at May by DCPAM

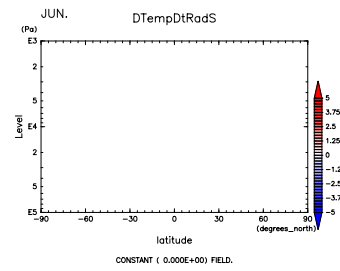


Figure 834:  $(\partial T/\partial t)_{SW}$  at Jun. by DCPAM

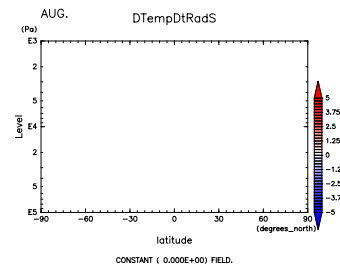
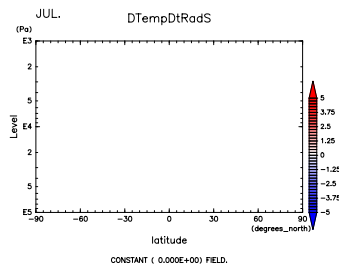


Figure 835:  $(\partial T/\partial t)_{SW}$  at Jul. by DCPAM by Figure 836:  $(\partial T/\partial t)_{SW}$  at Aug. by DCPAM



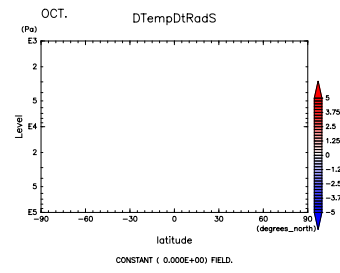
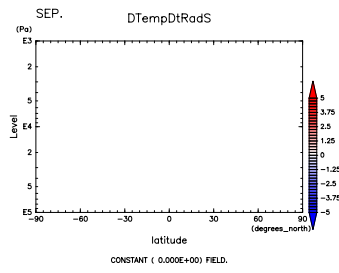


Figure 837:  $(\partial T/\partial t)_{sw}$  at Sep. by DCPAM      Figure 838:  $(\partial T/\partial t)_{sw}$  at Oct. by DCPAM

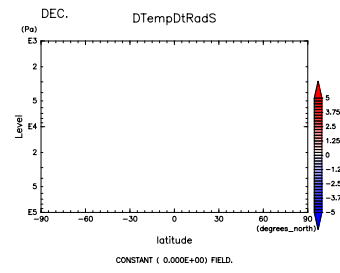
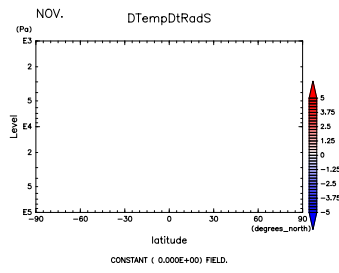


Figure 839:  $(\partial T/\partial t)_{SW}$  at Nov. by DCPAM      Figure 840:  $(\partial T/\partial t)_{SW}$  at Dec. by DCPAM

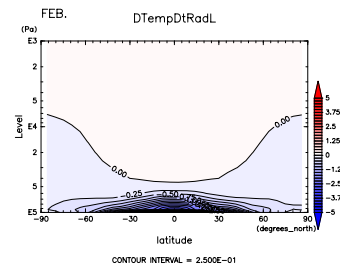
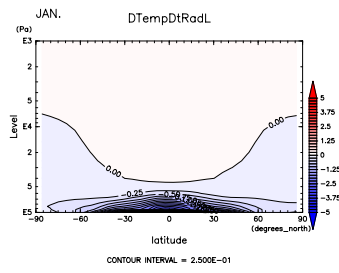


Figure 841:  $(\partial T/\partial t)_{LW}$  at Jan. by DCPAM      Figure 842:  $(\partial T/\partial t)_{LW}$  at Feb. by DCPAM

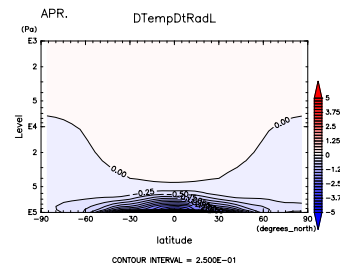
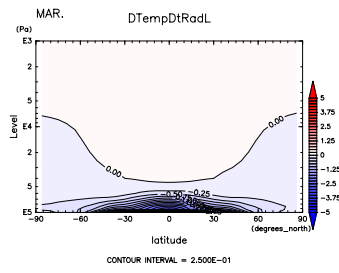


Figure 843:  $(\partial T/\partial t)_{LW}$  at Mar. by DCPAM      Figure 844:  $(\partial T/\partial t)_{LW}$  at Apr. by DCPAM

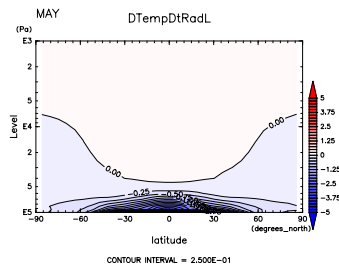


Figure 845:  $(\partial T/\partial t)_{LW}$  at May by DCPAM

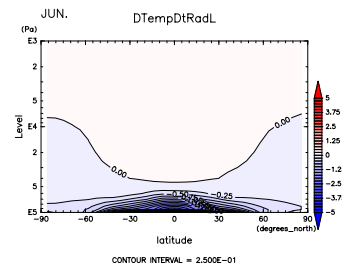


Figure 846:  $(\partial T/\partial t)_{LW}$  at Jun. by DCPAM

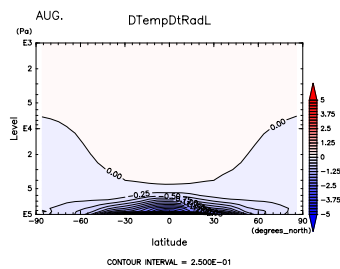
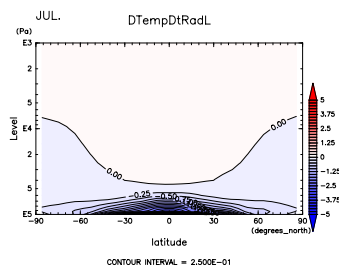


Figure 847:  $(\partial T/\partial t)_{LW}$  at Jul. by DCPAM      Figure 848:  $(\partial T/\partial t)_{LW}$  at Aug. by DCPAM

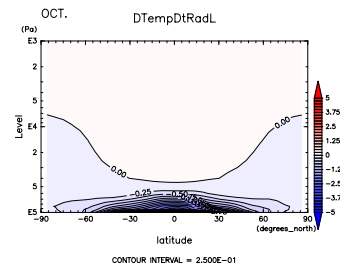
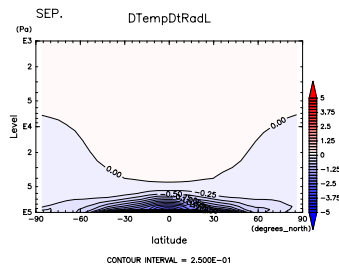


Figure 849:  $(\partial T/\partial t)_{LW}$  at Sep. by DCPAM      Figure 850:  $(\partial T/\partial t)_{LW}$  at Oct. by DCPAM

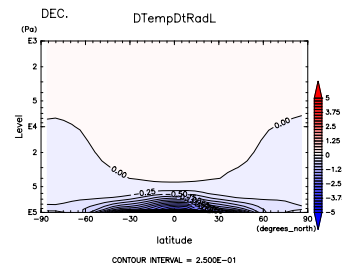
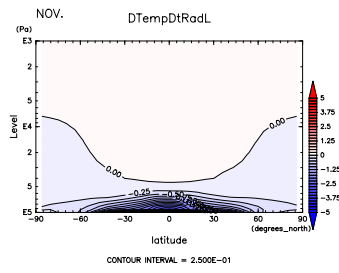


Figure 851:  $(\partial T/\partial t)_{LW}$  at Nov. by DCPAM      Figure 852:  $(\partial T/\partial t)_{LW}$  at Dec. by DCPAM



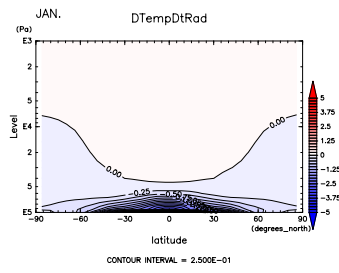


Figure 853:  $(\partial T/\partial t)_{SW+LW}$  at Jan.  
by DCPAM

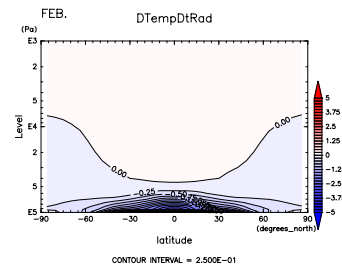


Figure 854:  $(\partial T/\partial t)_{SW+LW}$  at Feb.  
by DCPAM

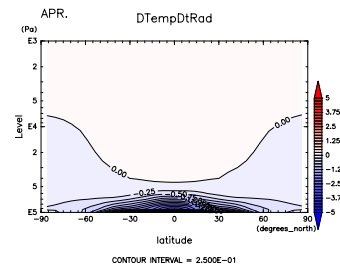
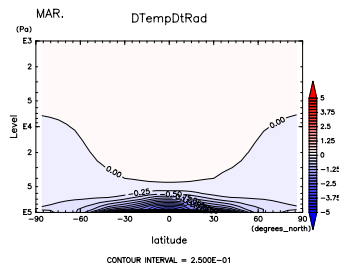


Figure 855:  $(\partial T/\partial t)_{SW+LW}$  at Mar. by DCPAM

Figure 856:  $(\partial T/\partial t)_{SW+LW}$  at Apr. by DCPAM

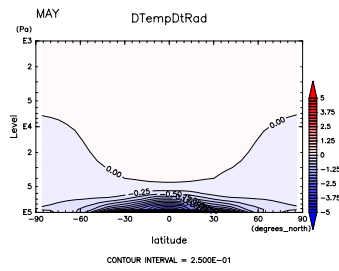


Figure 857:  $(\partial T/\partial t)_{SW+LW}$  at May by DCPAM

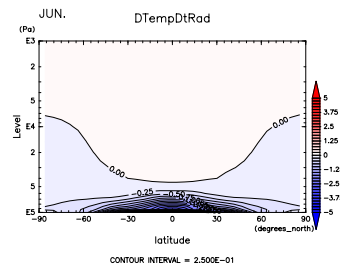


Figure 858:  $(\partial T/\partial t)_{SW+LW}$  at Jun. by DCPAM

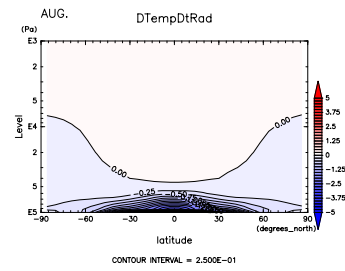
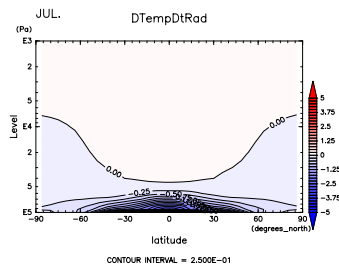


Figure 859:  $(\partial T/\partial t)_{SW+LW}$  at Jul. by DCPAM

Figure 860:  $(\partial T/\partial t)_{SW+LW}$  at Aug. by DCPAM

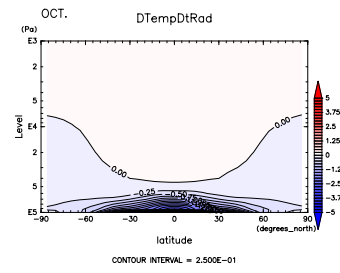
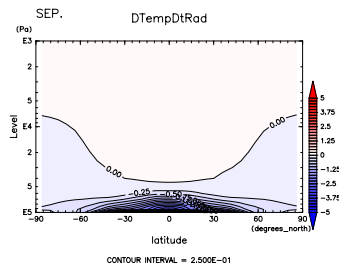


Figure 861:  $(\partial T/\partial t)_{SW+LW}$  at Sep. by DCPAM

Figure 862:  $(\partial T/\partial t)_{SW+LW}$  at Oct. by DCPAM

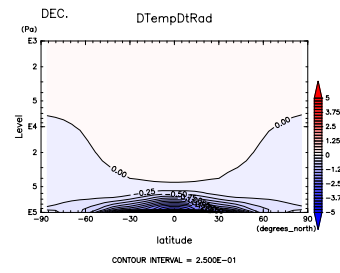
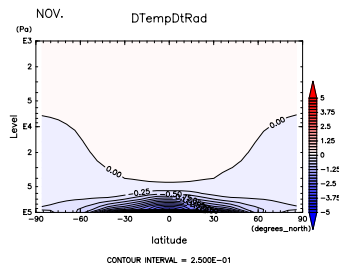


Figure 863:  $(\partial T/\partial t)_{SW+LW}$  at Nov. by DCPAM

Figure 864:  $(\partial T/\partial t)_{SW+LW}$  at Dec. by DCPAM