Results of dcpam are compared with MGS[1]-TES[2] and MRO[3]-MCS[4] data. MGS-TES and MRO-MCS data used for comparison are those in MY26[5] and MY30. Those observational data are downloaded from the PDS[6].

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[1]Mars Global Surveyor
[2]Thermal Emission Spectrometer
[3]Mars Reconnaissance Orbiter
[4]Mars Climate Sounder
[5]MY stands for Mars Year
[6]Planetary Data System

dust optical depth at 0.67 micron meter at the surface

(degree_north)
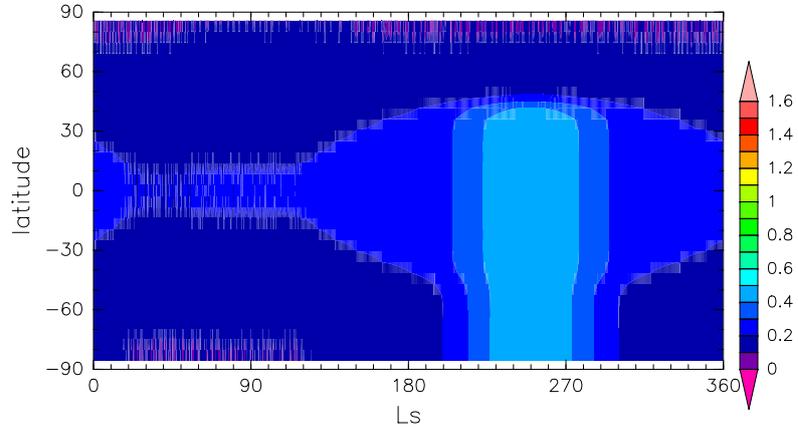
Figure 1: Daily mean dust optical depth prescribed in dcpam

dust_optical_depth_at_14_LST

(degrees_north)
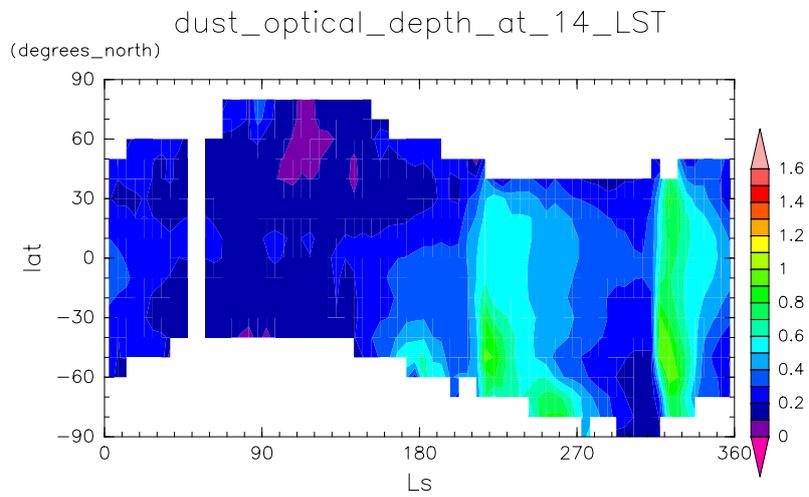
Figure 2: Double of dust optical depth observed by MGS-TES in MY26

2
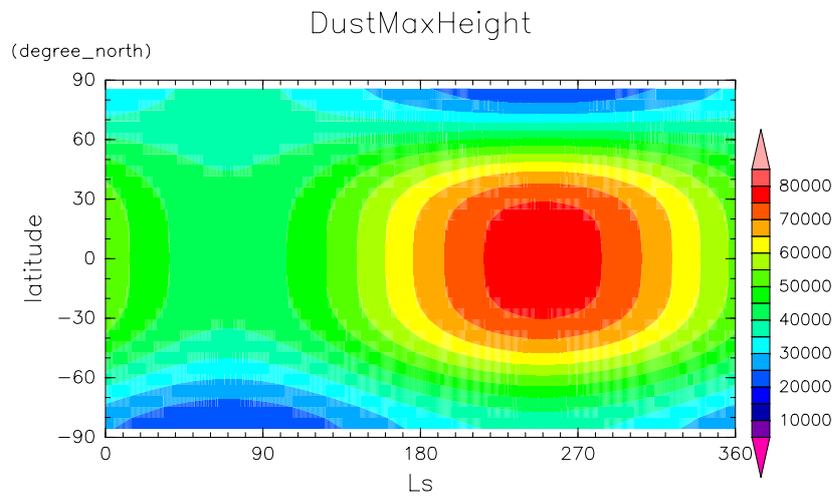
Figure 3: Daily mean maximum height of dust distribution prescribed in dcpam
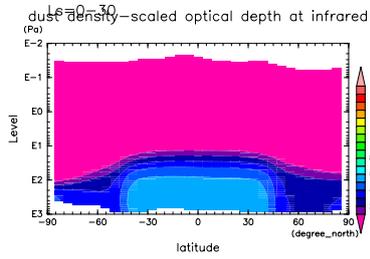
Figure 4: DustDensScledOptDep at 03 LST and Ls=0°-30° by dcpam
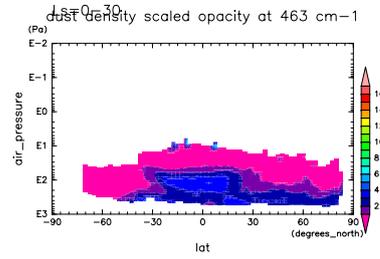
Figure 7: DustDensScledOptDep at 03 LST and Ls=0°-30° by MRO
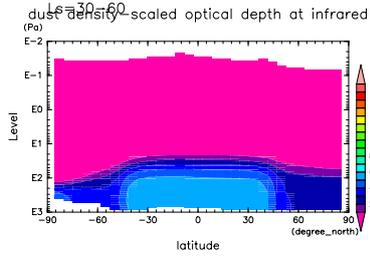
Figure 5: DustDensScledOptDep at 03 LST and Ls=30°-60° by dcpam
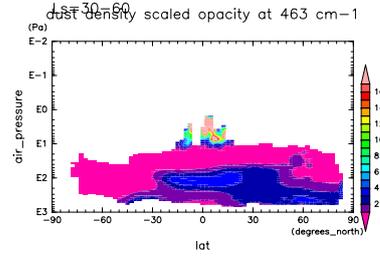
Figure 8: DustDensScledOptDep at 03 LST and Ls=30°-60° by MRO
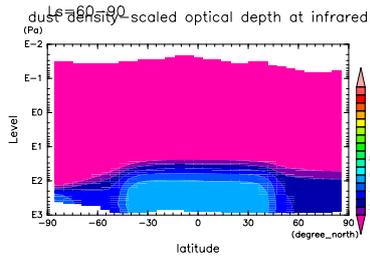
Figure 6: DustDensScledOptDep at 03 LST and Ls=60°-90° by dcpam
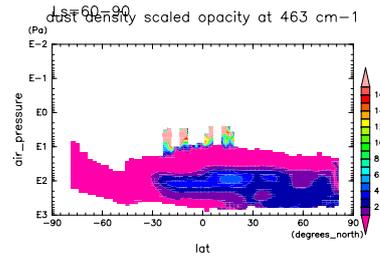
Figure 9: DustDensScledOptDep at 03 LST and Ls=60°-90° by MRO

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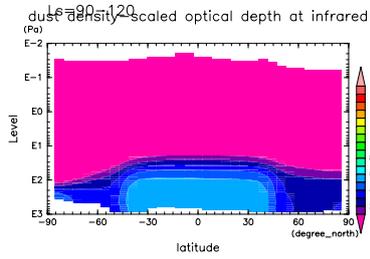
Figure 10: DustDensScledOptDep at 03 LST and Ls=90°-120° by dcpam
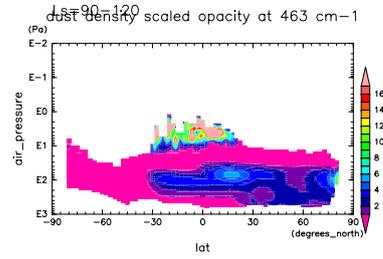
Figure 13: DustDensScledOptDep at 03 LST and Ls=90°-120° by MRO
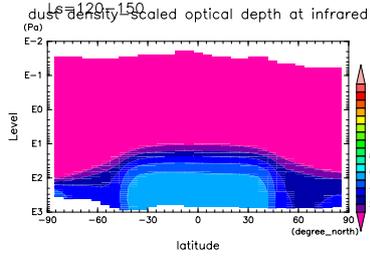
Figure 11: DustDensScledOptDep at 03 LST and Ls=120°-150° by dcpam
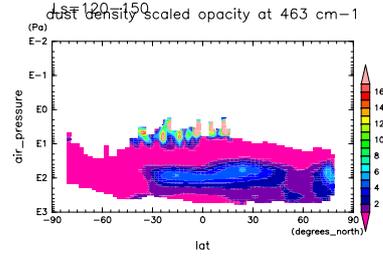
Figure 14: DustDensScledOptDep at 03 LST and Ls=120°-150° by MRO
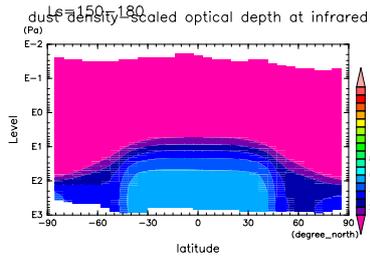
Figure 12: DustDensScledOptDep at 03 LST and Ls=150°-180° by dcpam
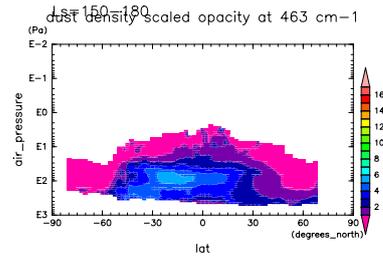
Figure 15: DustDensScledOptDep at 03 LST and Ls=150°-180° by MRO

5
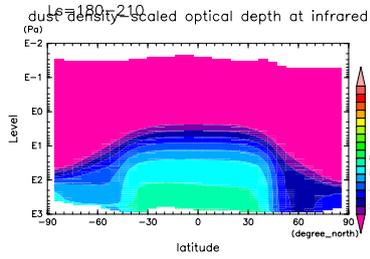
Figure 16: DustDensScledOptDep at 03 LST and Ls=180°-210° by dcpam
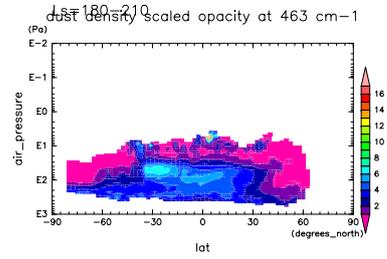
Figure 19: DustDensScledOptDep at 03 LST and Ls=180°-210° by MRO
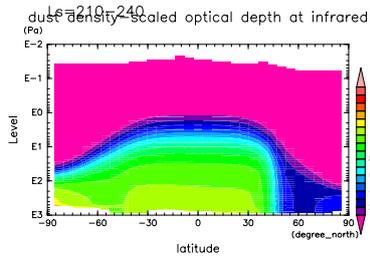
Figure 17: DustDensScledOptDep at 03 LST and Ls=210°-240° by dcpam
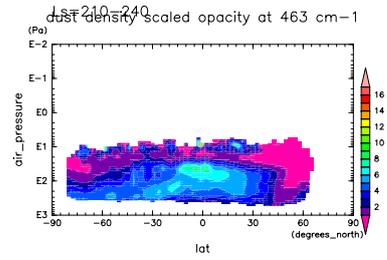
Figure 20: DustDensScledOptDep at 03 LST and Ls=210°-240° by MRO
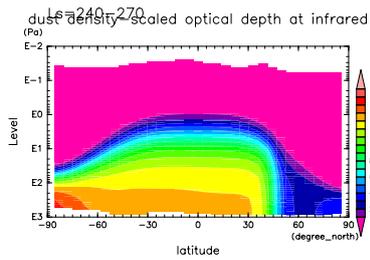
Figure 18: DustDensScledOptDep at 03 LST and Ls=240°-270° by dcpam
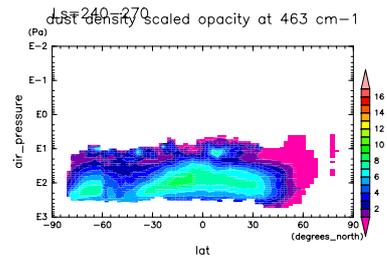
Figure 21: DustDensScledOptDep at 03 LST and Ls=240°-270° by MRO

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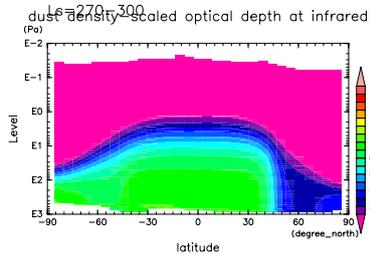
Figure 22: DustDensScledOptDep at 03 LST and Ls=270°-300° by dcpam
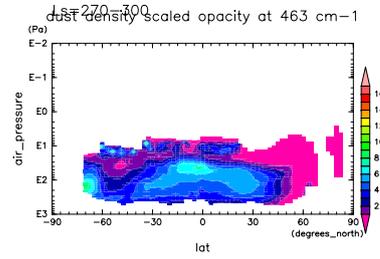
Figure 25: DustDensScledOptDep at 03 LST and Ls=270°-300° by MRO
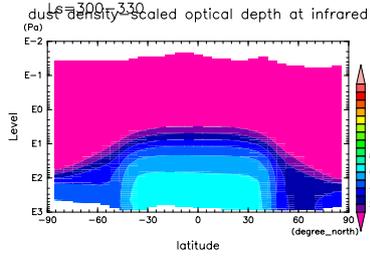
Figure 23: DustDensScledOptDep at 03 LST and Ls=300°-330° by dcpam
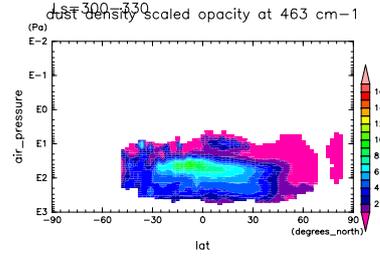
Figure 26: DustDensScledOptDep at 03 LST and Ls=300°-330° by MRO
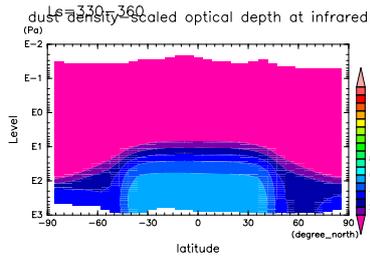
Figure 24: DustDensScledOptDep at 03 LST and Ls=330°-360° by dcpam
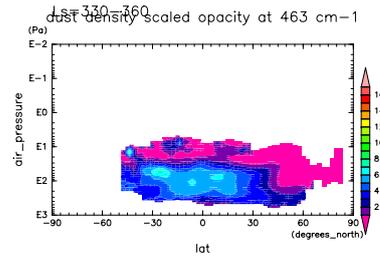
Figure 27: DustDensScledOptDep at 03 LST and Ls=330°-360° by MRO
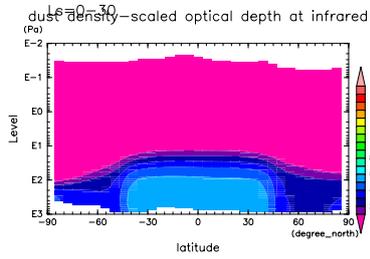
Figure 28: DustDensScledOptDep at 15 LST and Ls=0°-30° by dcpam
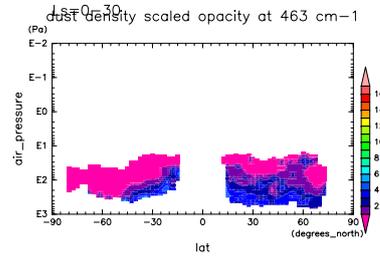
Figure 31: DustDensScledOptDep at 15 LST and Ls=0°-30° by MRO
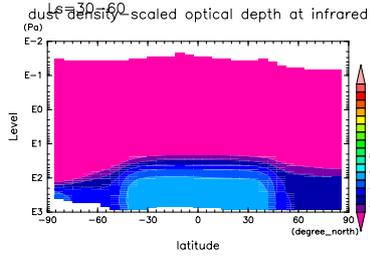
Figure 29: DustDensScledOptDep at 15 LST and Ls=30°-60° by dcpam
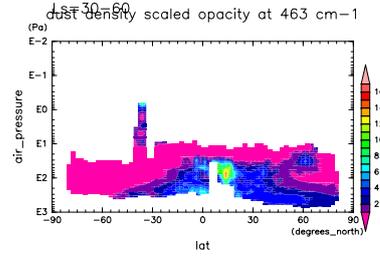
Figure 32: DustDensScledOptDep at 15 LST and Ls=30°-60° by MRO
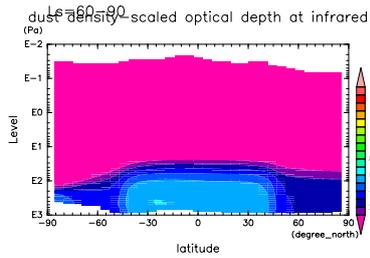
Figure 30: DustDensScledOptDep at 15 LST and Ls=60°-90° by dcpam
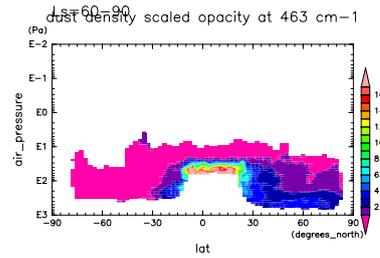
Figure 33: DustDensScledOptDep at 15 LST and Ls=60°-90° by MRO

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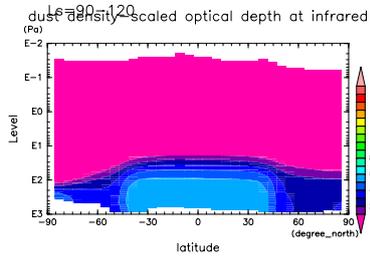
Figure 34: DustDensScledOptDep at 15 LST and Ls=90°-120° by dcpam
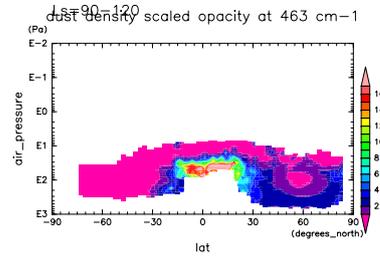
Figure 37: DustDensScledOptDep at 15 LST and Ls=90°-120° by MRO
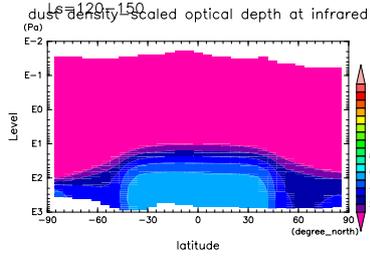
Figure 35: DustDensScledOptDep at 15 LST and Ls=120°-150° by dcpam
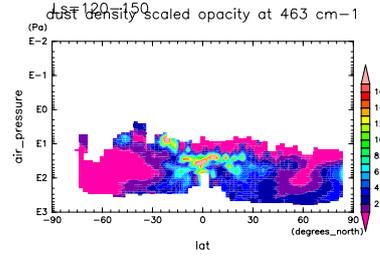
Figure 38: DustDensScledOptDep at 15 LST and Ls=120°-150° by MRO
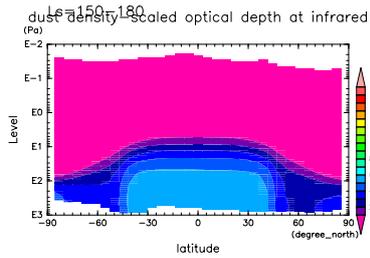
Figure 36: DustDensScledOptDep at 15 LST and Ls=150°-180° by dcpam
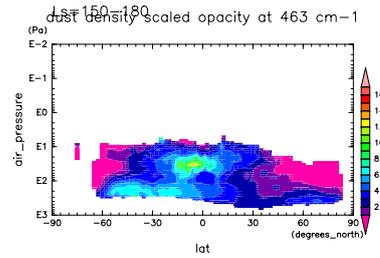
Figure 39: DustDensScledOptDep at 15 LST and Ls=150°-180° by MRO

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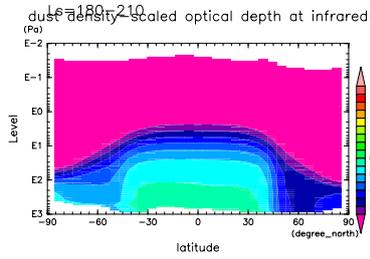
Figure 40: DustDensScledOptDep at 15 LST and Ls=180°-210° by dcpam
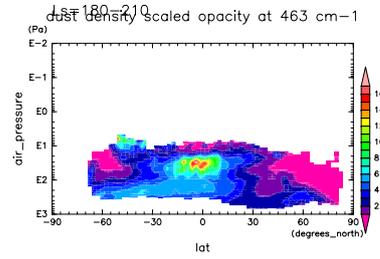
Figure 43: DustDensScledOptDep at 15 LST and Ls=180°-210° by MRO
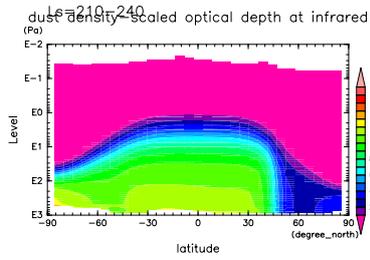
Figure 41: DustDensScledOptDep at 15 LST and Ls=210°-240° by dcpam
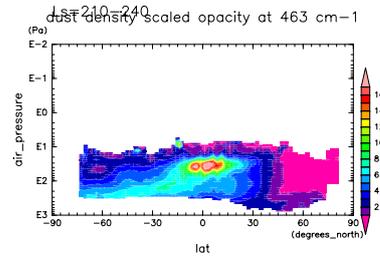
Figure 44: DustDensScledOptDep at 15 LST and Ls=210°-240° by MRO
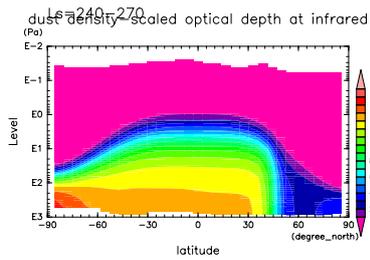
Figure 42: DustDensScledOptDep at 15 LST and Ls=240°-270° by dcpam
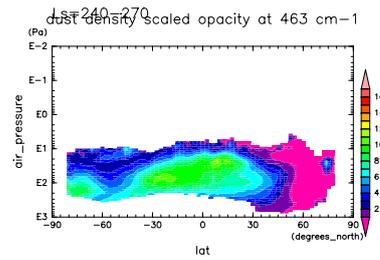
Figure 45: DustDensScledOptDep at 15 LST and Ls=240°-270° by MRO

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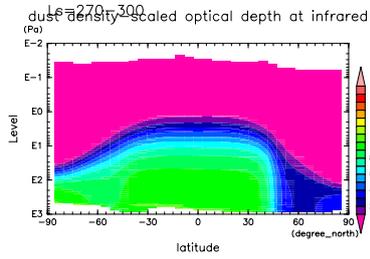
Figure 46: DustDensScledOptDep at 15 LST and Ls=270°-300° by dcpam
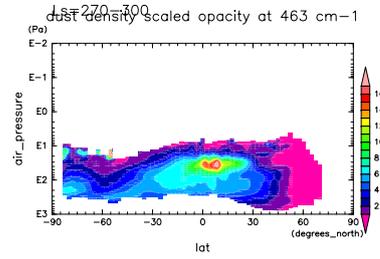
Figure 49: DustDensScledOptDep at 15 LST and Ls=270°-300° by MRO
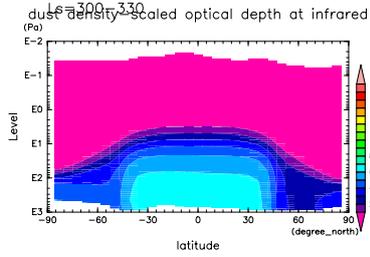
Figure 47: DustDensScledOptDep at 15 LST and Ls=300°-330° by dcpam
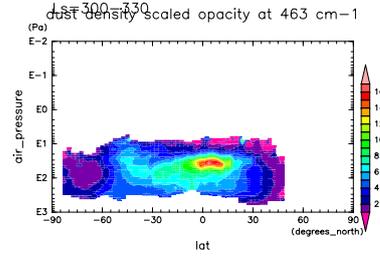
Figure 50: DustDensScledOptDep at 15 LST and Ls=300°-330° by MRO
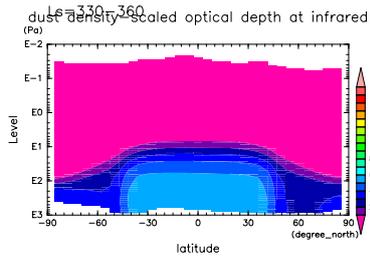
Figure 48: DustDensScledOptDep at 15 LST and Ls=330°-360° by dcpam
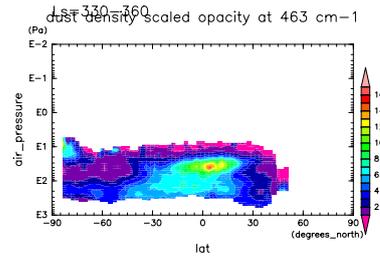
Figure 51: DustDensScledOptDep at 15 LST and Ls=330°-360° by MRO
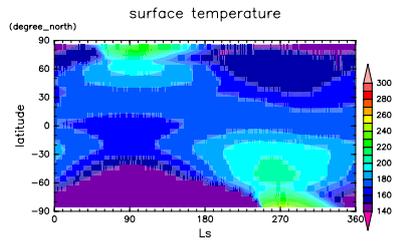
Figure 52: T_s at 02 LST by dcpam
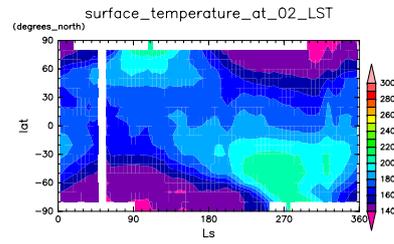
Figure 54: T_s at 02 LST by MGS
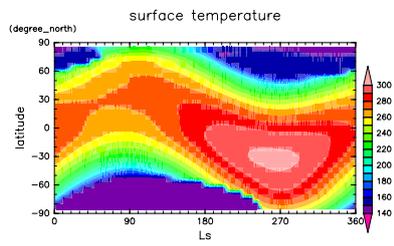
Figure 53: T_s at 14 LST by dcpam
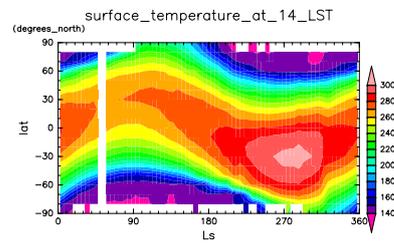
Figure 55: T_s at 14 LST by MGS

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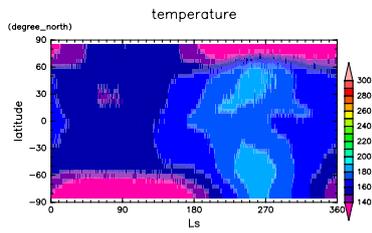
Figure 56: T at 18 Pa and at 02 LST by dcpam
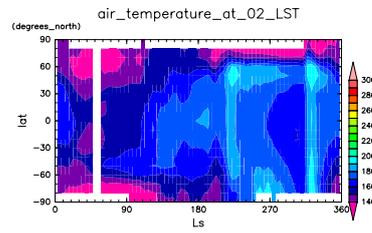
Figure 60: T at 18 Pa and at 02 LST by MGS
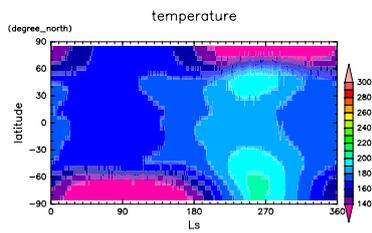
Figure 57: T at 50 Pa and at 02 LST by dcpam
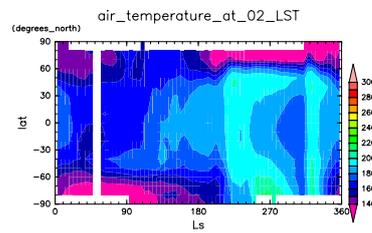
Figure 61: T at 50 Pa and at 02 LST by MGS
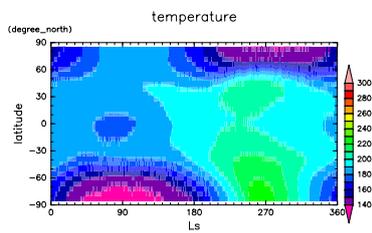
Figure 58: T at 136 Pa and at 02 LST by dcpam
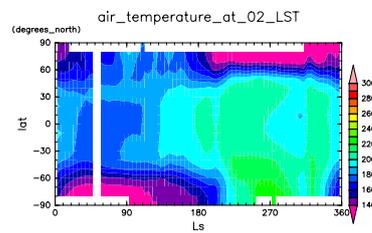
Figure 62: T at 136 Pa and at 02 LST by MGS
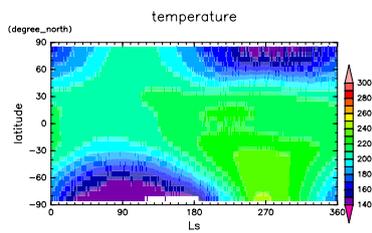
Figure 59: T at 370 Pa and at 02 LST by dcpam
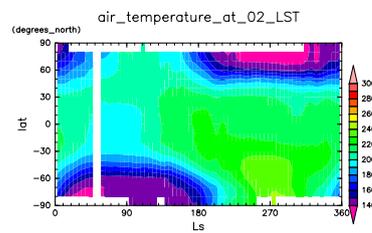
Figure 63: T at 370 Pa and at 02 LST by MGS

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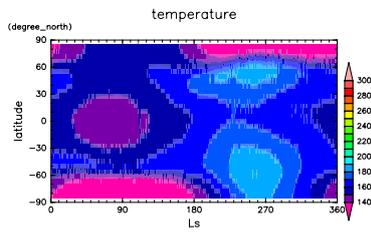
Figure 64: T at 18 Pa and at 14 LST by dcpam
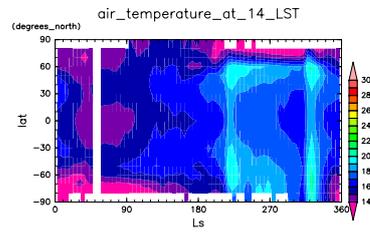
Figure 68: T at 18 Pa and at 14 LST by MGS
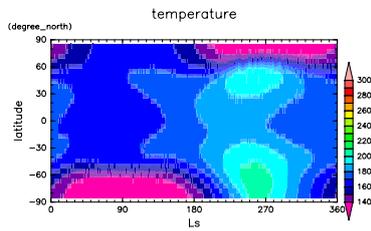
Figure 65: T at 50 Pa and at 14 LST by dcpam
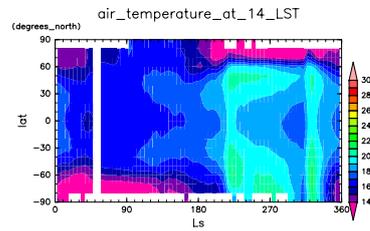
Figure 69: T at 50 Pa and at 14 LST by MGS
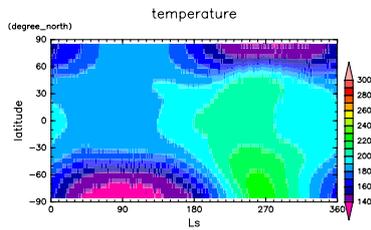
Figure 66: T at 136 Pa and at 14 LST by dcpam
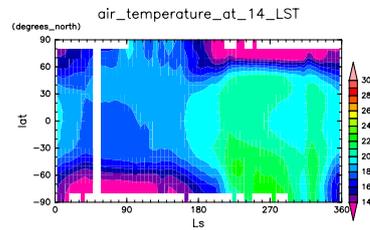
Figure 70: T at 136 Pa and at 14 LST by MGS

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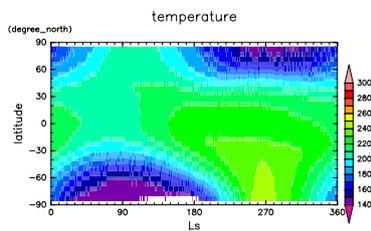
Figure 67: T at 370 Pa and at 14 LST by dcpam
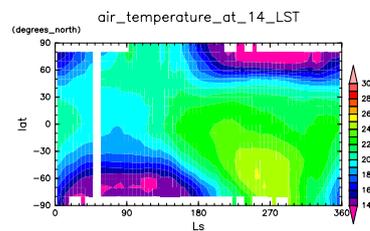
Figure 71: T at 370 Pa and at 14 LST by MGS
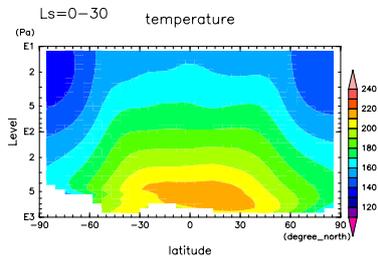
Figure 72: Temp at 02 LST and Ls=0°-30° by dcpam
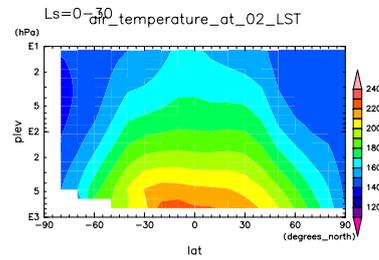
Figure 75: Temp at 02 LST and Ls=0°-30° by MGS
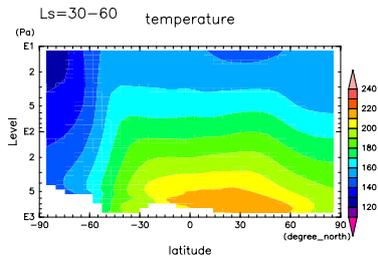
Figure 73: Temp at 02 LST and Ls=30°-60° by dcpam
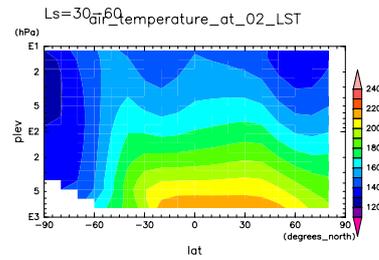
Figure 76: Temp at 02 LST and Ls=30°-60° by MGS
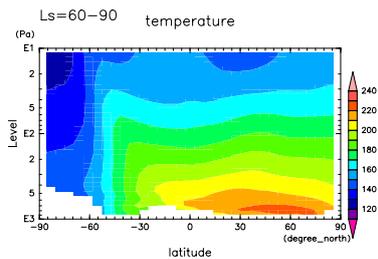
Figure 74: Temp at 02 LST and Ls=60°-90° by dcpam
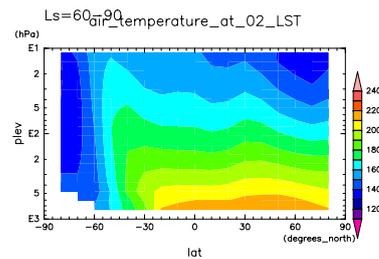
Figure 77: Temp at 02 LST and Ls=60°-90° by MGS

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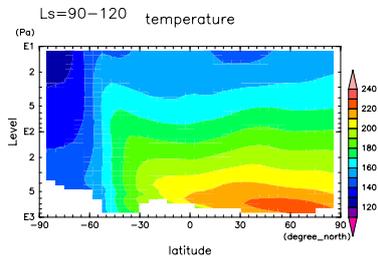
Figure 78: Temp at 02 LST and Ls=90°-120° by dcpam
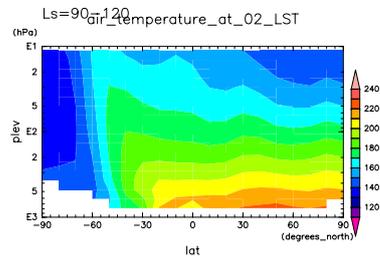
Figure 81: Temp at 02 LST and Ls=90°-120° by MGS
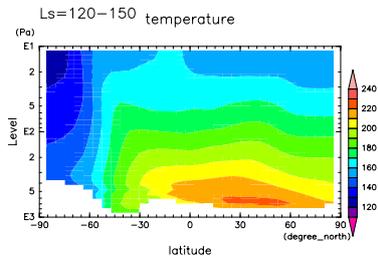
Figure 79: Temp at 02 LST and Ls=120°-150° by dcpam
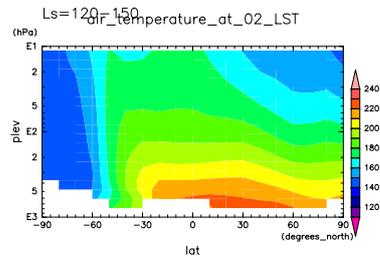
Figure 82: Temp at 02 LST and Ls=120°-150° by MGS
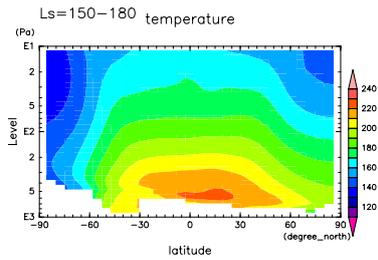
Figure 80: Temp at 02 LST and Ls=150°-180° by dcpam
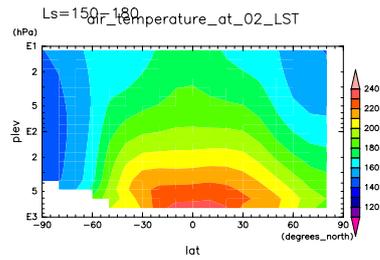
Figure 83: Temp at 02 LST and Ls=150°-180° by MGS

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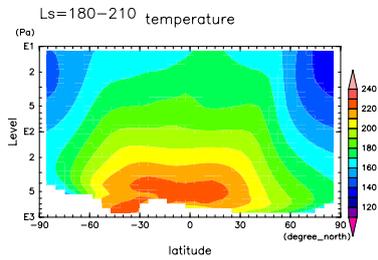
Figure 84: Temp at 02 LST and Ls=180°-210° by dcpam
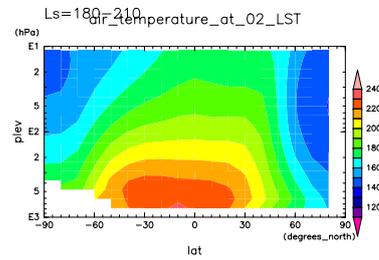
Figure 87: Temp at 02 LST and Ls=180°-210° by MGS
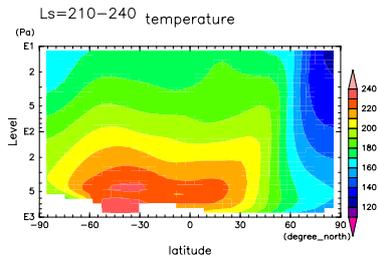
Figure 85: Temp at 02 LST and Ls=210°-240° by dcpam
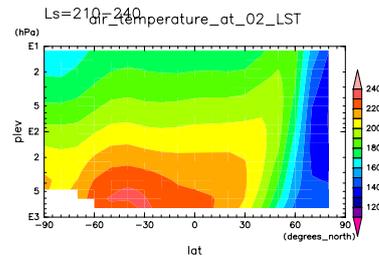
Figure 88: Temp at 02 LST and Ls=210°-240° by MGS
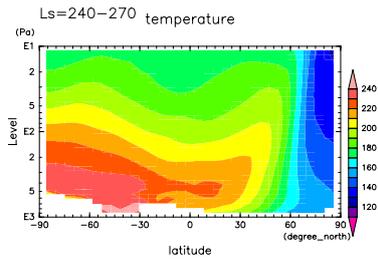
Figure 86: Temp at 02 LST and Ls=240°-270° by dcpam
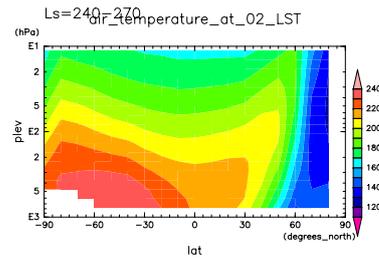
Figure 89: Temp at 02 LST and Ls=240°-270° by MGS

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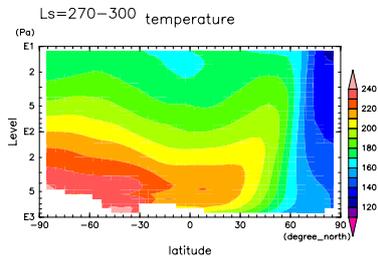
Figure 90: Temp at 02 LST and Ls=270°-300° by dcpam
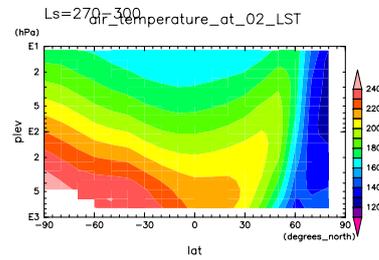
Figure 93: Temp at 02 LST and Ls=270°-300° by MGS
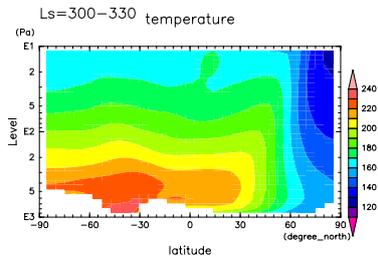
Figure 91: Temp at 02 LST and Ls=300°-330° by dcpam
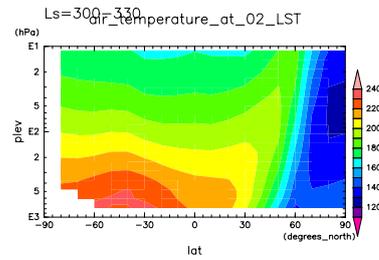
Figure 94: Temp at 02 LST and Ls=300°-330° by MGS
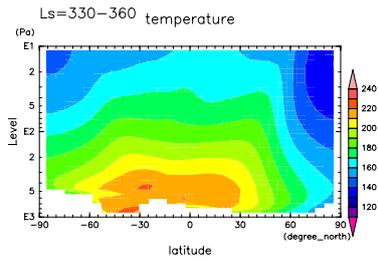
Figure 92: Temp at 02 LST and Ls=330°-360° by dcpam
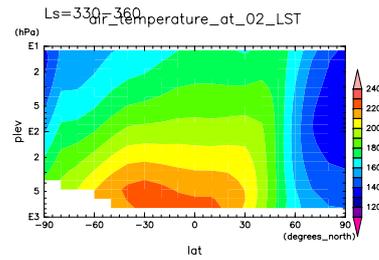
Figure 95: Temp at 02 LST and Ls=330°-360° by MGS

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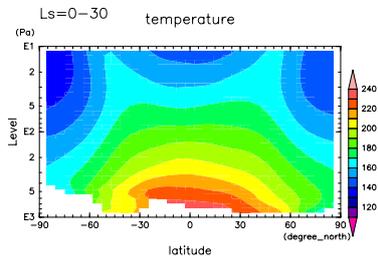
Figure 96: Temp at 14 LST and Ls=0°-30° by dcpam
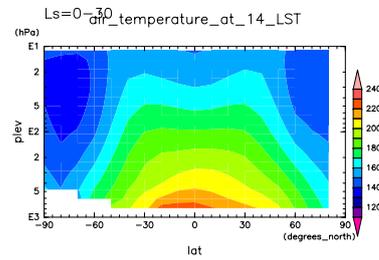
Figure 99: Temp at 14 LST and Ls=0°-30° by MGS
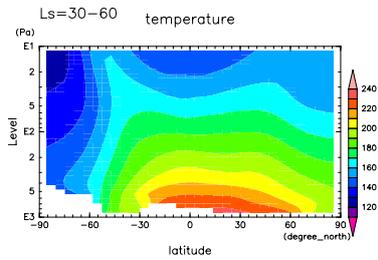
Figure 97: Temp at 14 LST and Ls=30°-60° by dcpam
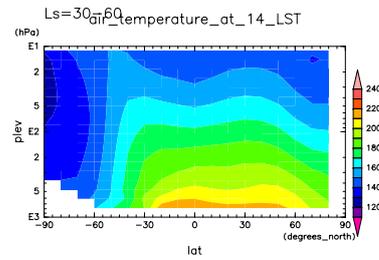
Figure 100: Temp at 14 LST and Ls=30°-60° by MGS
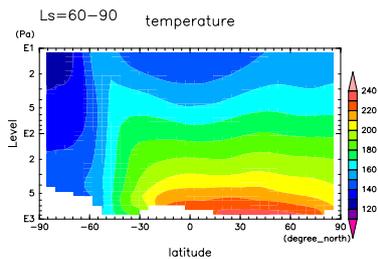
Figure 98: Temp at 14 LST and Ls=60°-90° by dcpam
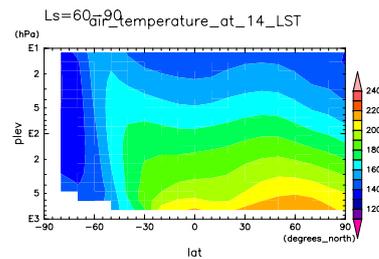
Figure 101: Temp at 14 LST and Ls=60°-90° by MGS

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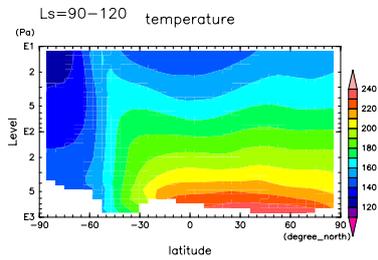
Figure 102: Temp at 14 LST and Ls=90°-120° by dcpam
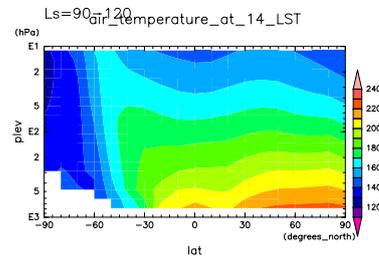
Figure 105: Temp at 14 LST and Ls=90°-120° by MGS
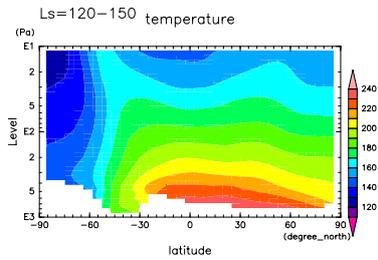
Figure 103: Temp at 14 LST and Ls=120°-150° by dcpam
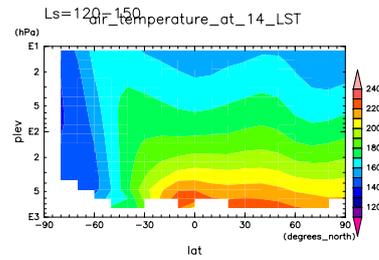
Figure 106: Temp at 14 LST and Ls=120°-150° by MGS
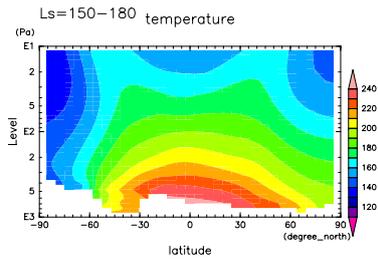
Figure 104: Temp at 14 LST and Ls=150°-180° by dcpam
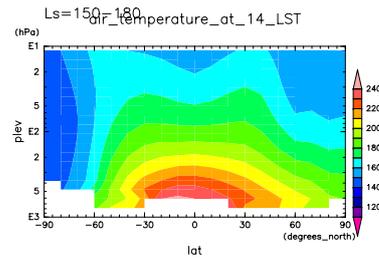
Figure 107: Temp at 14 LST and Ls=150°-180° by MGS

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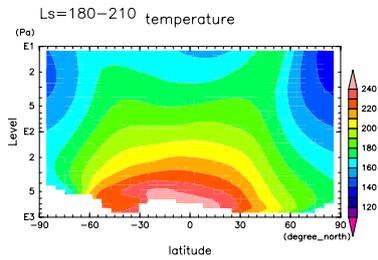
Figure 108: Temp at 14 LST and Ls=180°-210° by dcpam
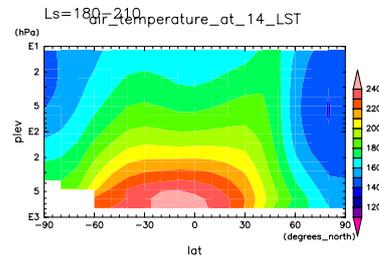
Figure 111: Temp at 14 LST and Ls=180°-210° by MGS
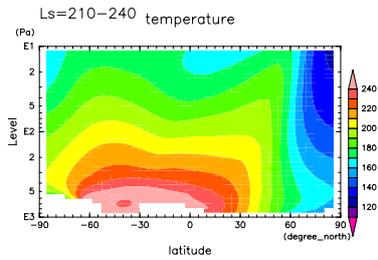
Figure 109: Temp at 14 LST and Ls=210°-240° by dcpam
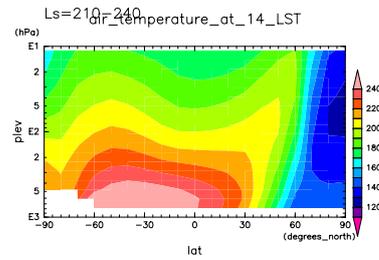
Figure 112: Temp at 14 LST and Ls=210°-240° by MGS
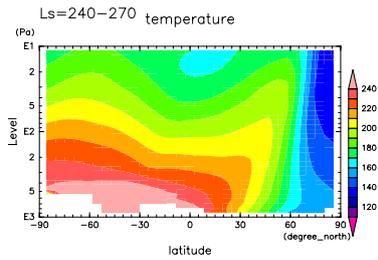
Figure 110: Temp at 14 LST and Ls=240°-270° by dcpam
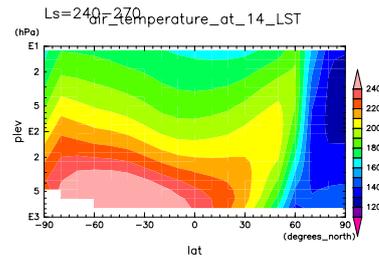
Figure 113: Temp at 14 LST and Ls=240°-270° by MGS

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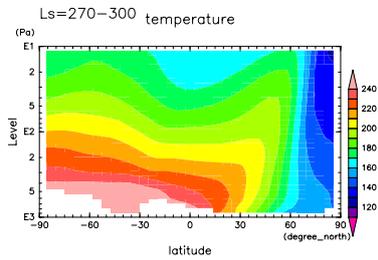
Figure 114: Temp at 14 LST and Ls=270°-300° by dcpam
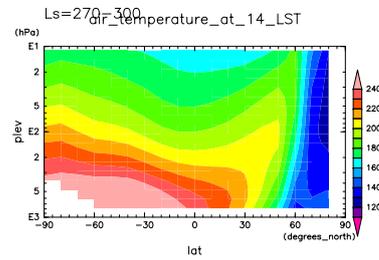
Figure 117: Temp at 14 LST and Ls=270°-300° by MGS
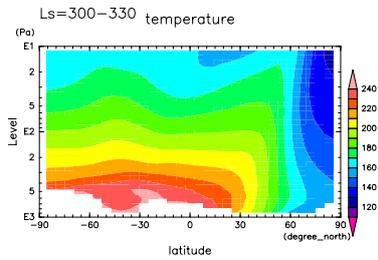
Figure 115: Temp at 14 LST and Ls=300°-330° by dcpam
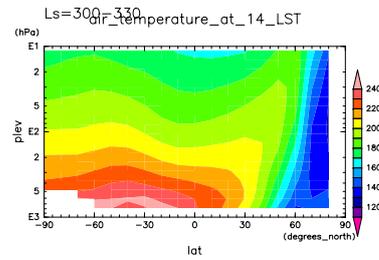
Figure 118: Temp at 14 LST and Ls=300°-330° by MGS
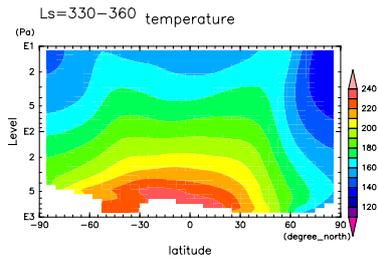
Figure 116: Temp at 14 LST and Ls=330°-360° by dcpam
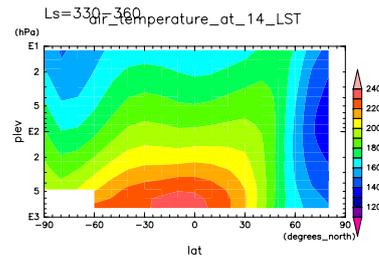
Figure 119: Temp at 14 LST and Ls=330°-360° by MGS

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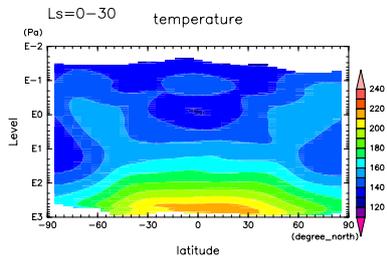
Figure 120: Temp at 03 LST and Ls=0°-30° by dcpam
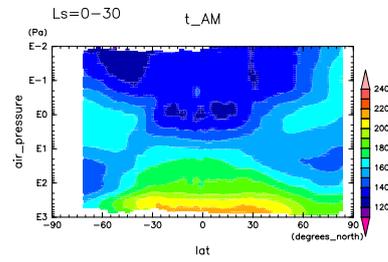
Figure 123: Temp at 03 LST and Ls=0°-30° by MRO
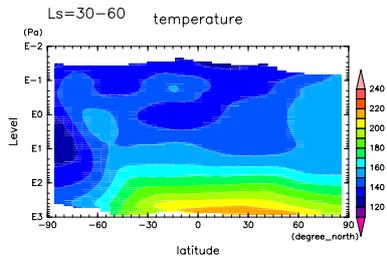
Figure 121: Temp at 03 LST and Ls=30°-60° by dcpam
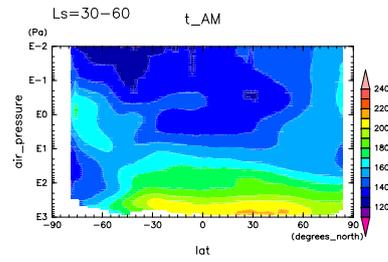
Figure 124: Temp at 03 LST and Ls=30°-60° by MRO
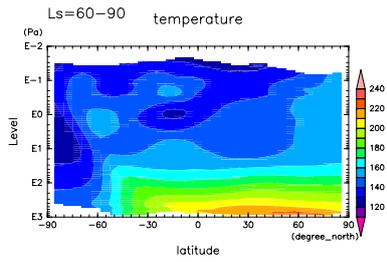
Figure 122: Temp at 03 LST and Ls=60°-90° by dcpam
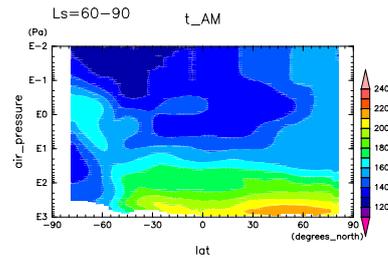
Figure 125: Temp at 03 LST and Ls=60°-90° by MRO

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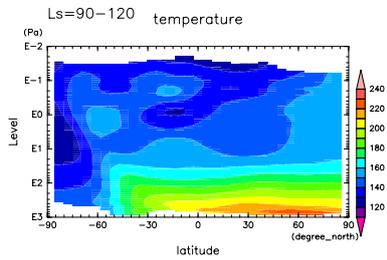
Figure 126: Temp at 03 LST and Ls=90°-120° by dcpam
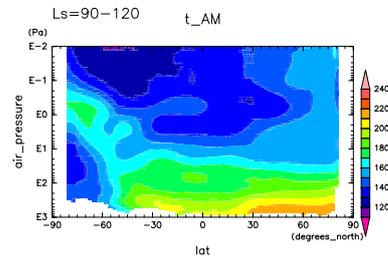
Figure 129: Temp at 03 LST and Ls=90°-120° by MRO
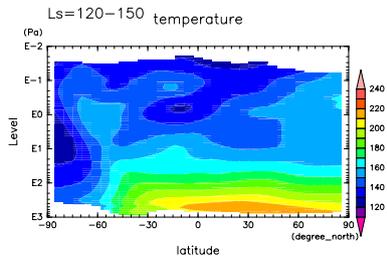
Figure 127: Temp at 03 LST and Ls=120°-150° by dcpam
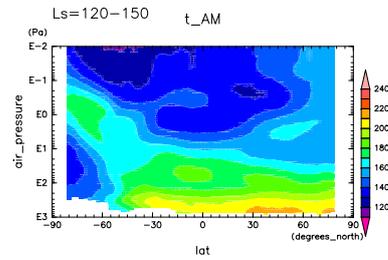
Figure 130: Temp at 03 LST and Ls=120°-150° by MRO
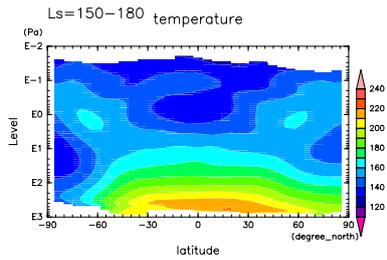
Figure 128: Temp at 03 LST and Ls=150°-180° by dcpam
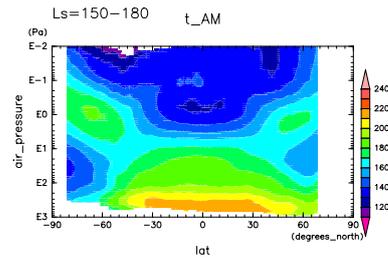
Figure 131: Temp at 03 LST and Ls=150°-180° by MRO

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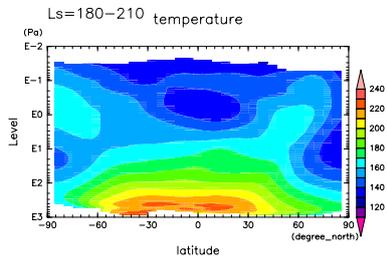
Figure 132: Temp at 03 LST and Ls=180°-210° by dcpam
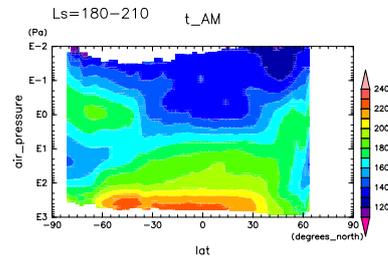
Figure 135: Temp at 03 LST and Ls=180°-210° by MRO
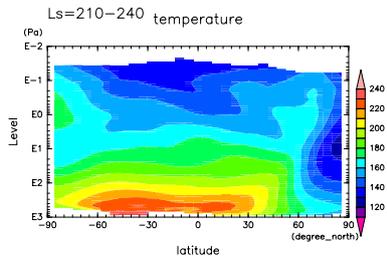
Figure 133: Temp at 03 LST and Ls=210°-240° by dcpam
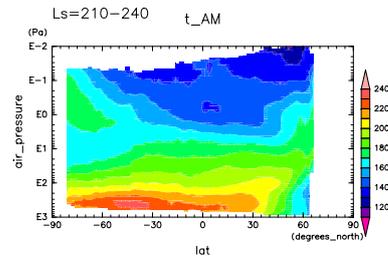
Figure 136: Temp at 03 LST and Ls=210°-240° by MRO
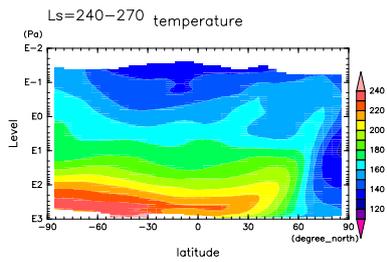
Figure 134: Temp at 03 LST and Ls=240°-270° by dcpam
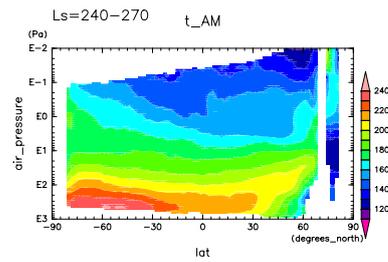
Figure 137: Temp at 03 LST and Ls=240°-270° by MRO
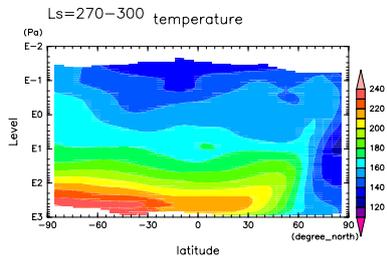
Figure 138: Temp at 03 LST and Ls=270°-300° by dcpam
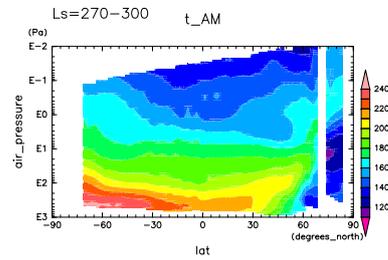
Figure 141: Temp at 03 LST and Ls=270°-300° by MRO
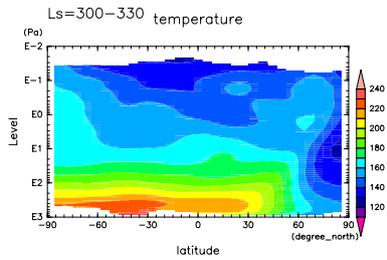
Figure 139: Temp at 03 LST and Ls=300°-330° by dcpam
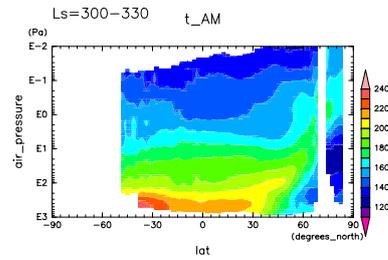
Figure 142: Temp at 03 LST and Ls=300°-330° by MRO
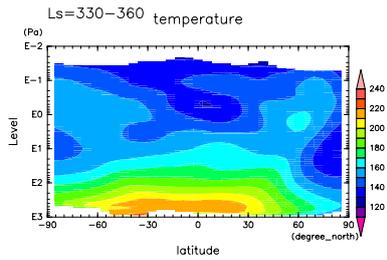
Figure 140: Temp at 03 LST and Ls=330°-360° by dcpam
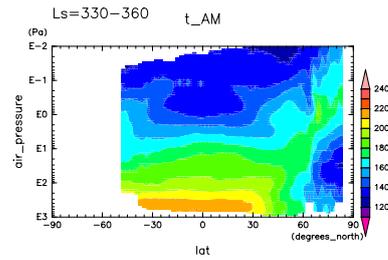
Figure 143: Temp at 03 LST and Ls=330°-360° by MRO
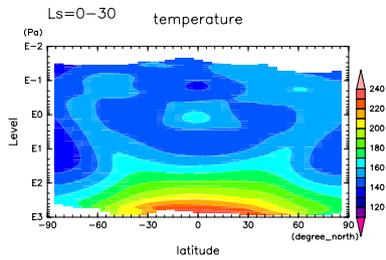
Figure 144: Temp at 15 LST and Ls=0°-30° by dcpam
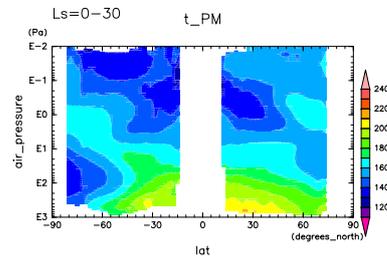
Figure 147: Temp at 15 LST and Ls=0°-30° by MRO
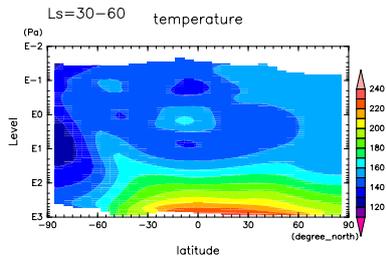
Figure 145: Temp at 15 LST and Ls=30°-60° by dcpam
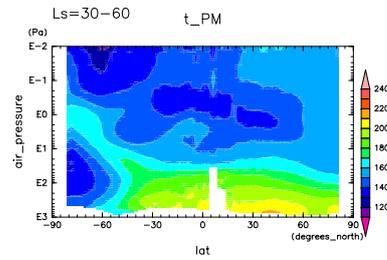
Figure 148: Temp at 15 LST and Ls=30°-60° by MRO
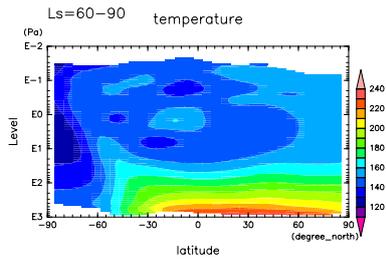
Figure 146: Temp at 15 LST and Ls=60°-90° by dcpam
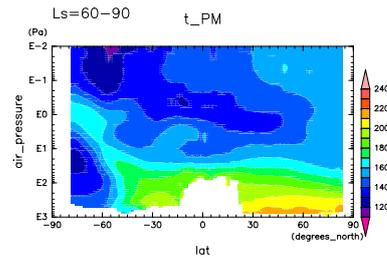
Figure 149: Temp at 15 LST and Ls=60°-90° by MRO

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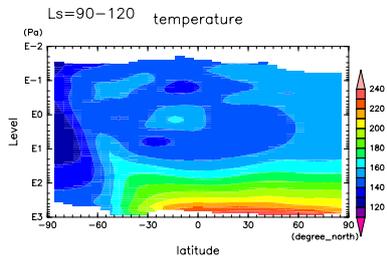
Figure 150: Temp at 15 LST and Ls=90°-120° by dcpam
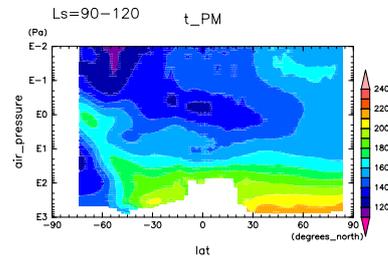
Figure 153: Temp at 15 LST and Ls=90°-120° by MRO
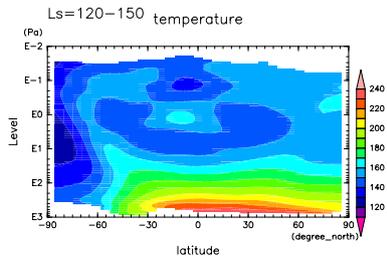
Figure 151: Temp at 15 LST and Ls=120°-150° by dcpam
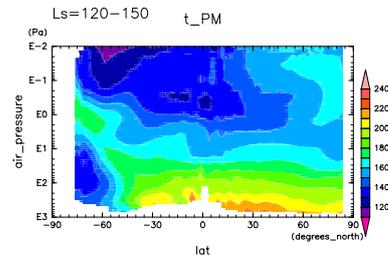
Figure 154: Temp at 15 LST and Ls=120°-150° by MRO
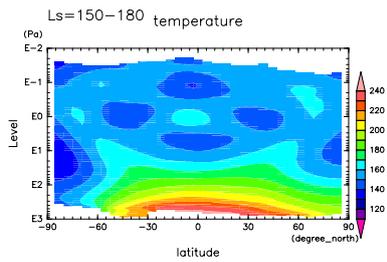
Figure 152: Temp at 15 LST and Ls=150°-180° by dcpam
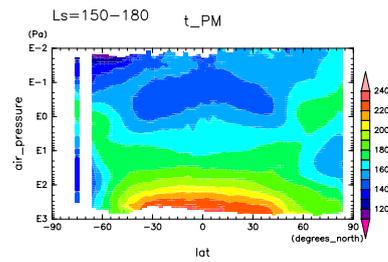
Figure 155: Temp at 15 LST and Ls=150°-180° by MRO
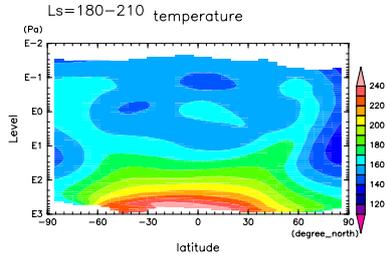
Figure 156: Temp at 15 LST and Ls=180°-210° by dcpam
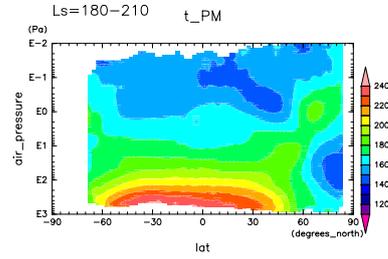
Figure 159: Temp at 15 LST and Ls=180°-210° by MRO
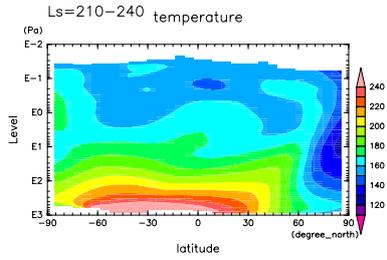
Figure 157: Temp at 15 LST and Ls=210°-240° by dcpam
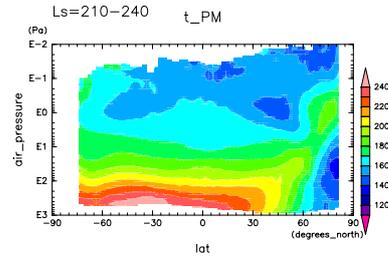
Figure 160: Temp at 15 LST and Ls=210°-240° by MRO
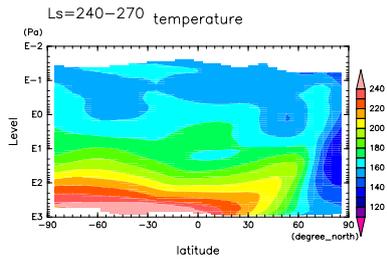
Figure 158: Temp at 15 LST and Ls=240°-270° by dcpam
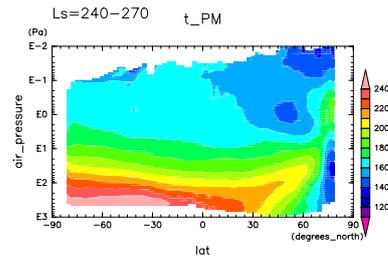
Figure 161: Temp at 15 LST and Ls=240°-270° by MRO
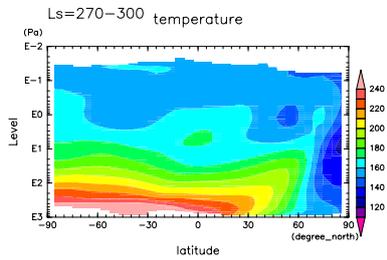
Figure 162: Temp at 15 LST and Ls=270°-300° by dcpam
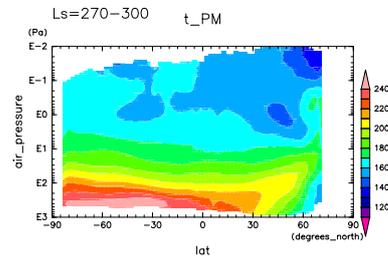
Figure 165: Temp at 15 LST and Ls=270°-300° by MRO
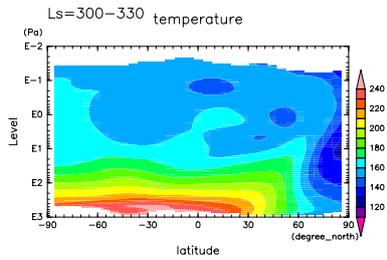
Figure 163: Temp at 15 LST and Ls=300°-330° by dcpam
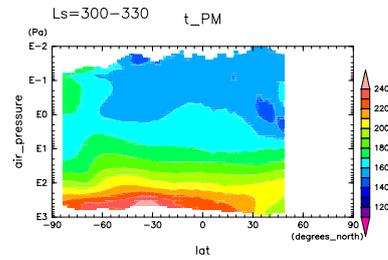
Figure 166: Temp at 15 LST and Ls=300°-330° by MRO
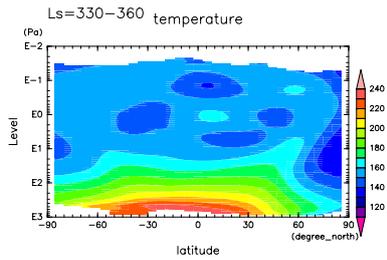
Figure 164: Temp at 15 LST and Ls=330°-360° by dcpam
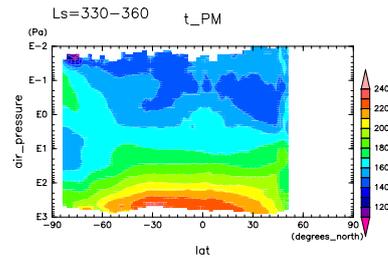
Figure 167: Temp at 15 LST and Ls=330°-360° by MRO