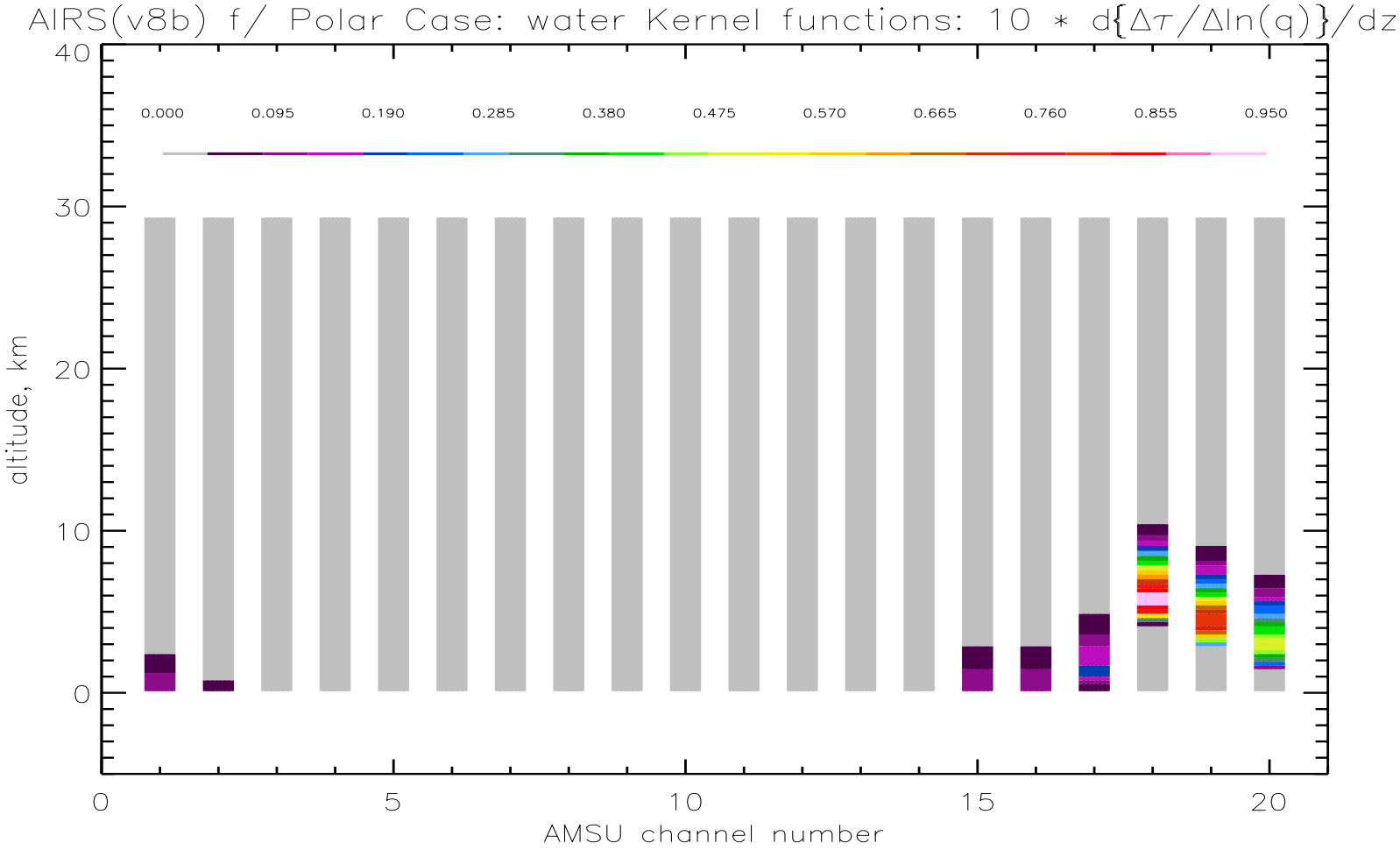
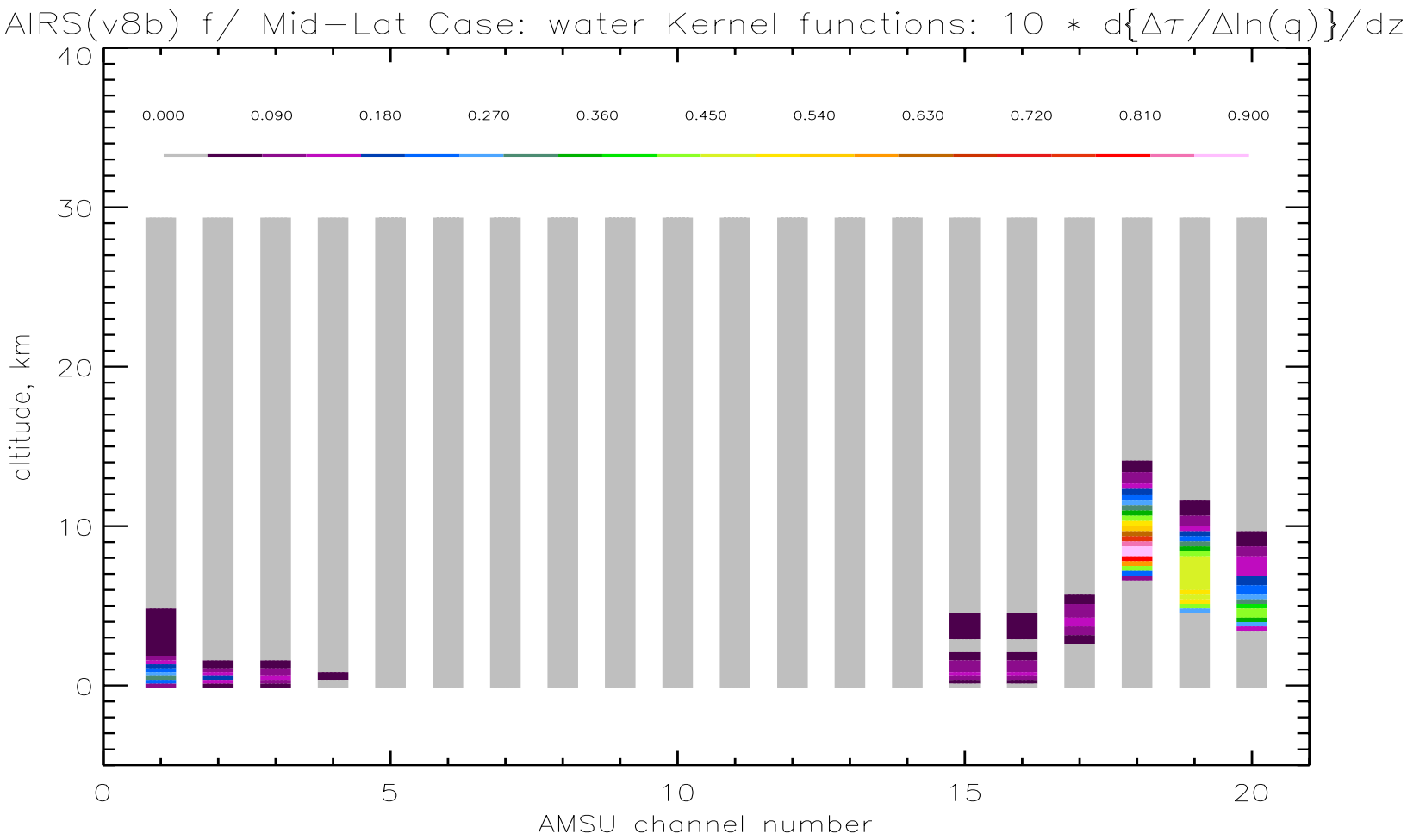
- **Kernel functions for q(p) computed using v8b RTA**
- **Used sim_3.asc file for Polar, Mid-Latitude, Tropical Profiles**
  - **3 profiles taken from G401 on Sep. 6, 2002 simulation**

profile	G401 index	latitude	long.	solzang	TPW (cm)
polar	925	85 N	38 E	84	0.5
mid-latitude	5207	41 N	68 W	144	1.4
tropical	1473	10 N	48 W	38	4.5

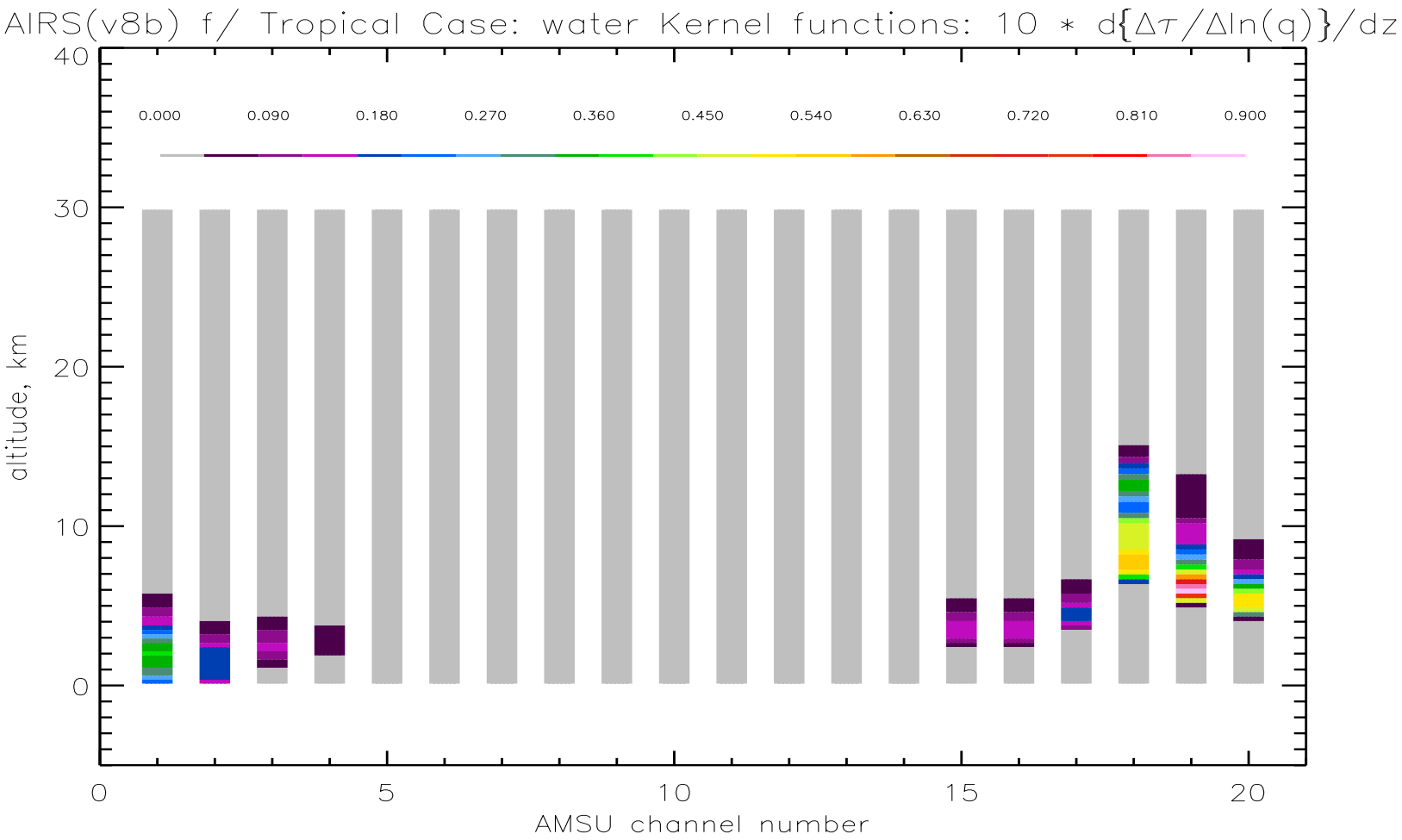
AMSU $H_2O(p)$ KERNEL Functions



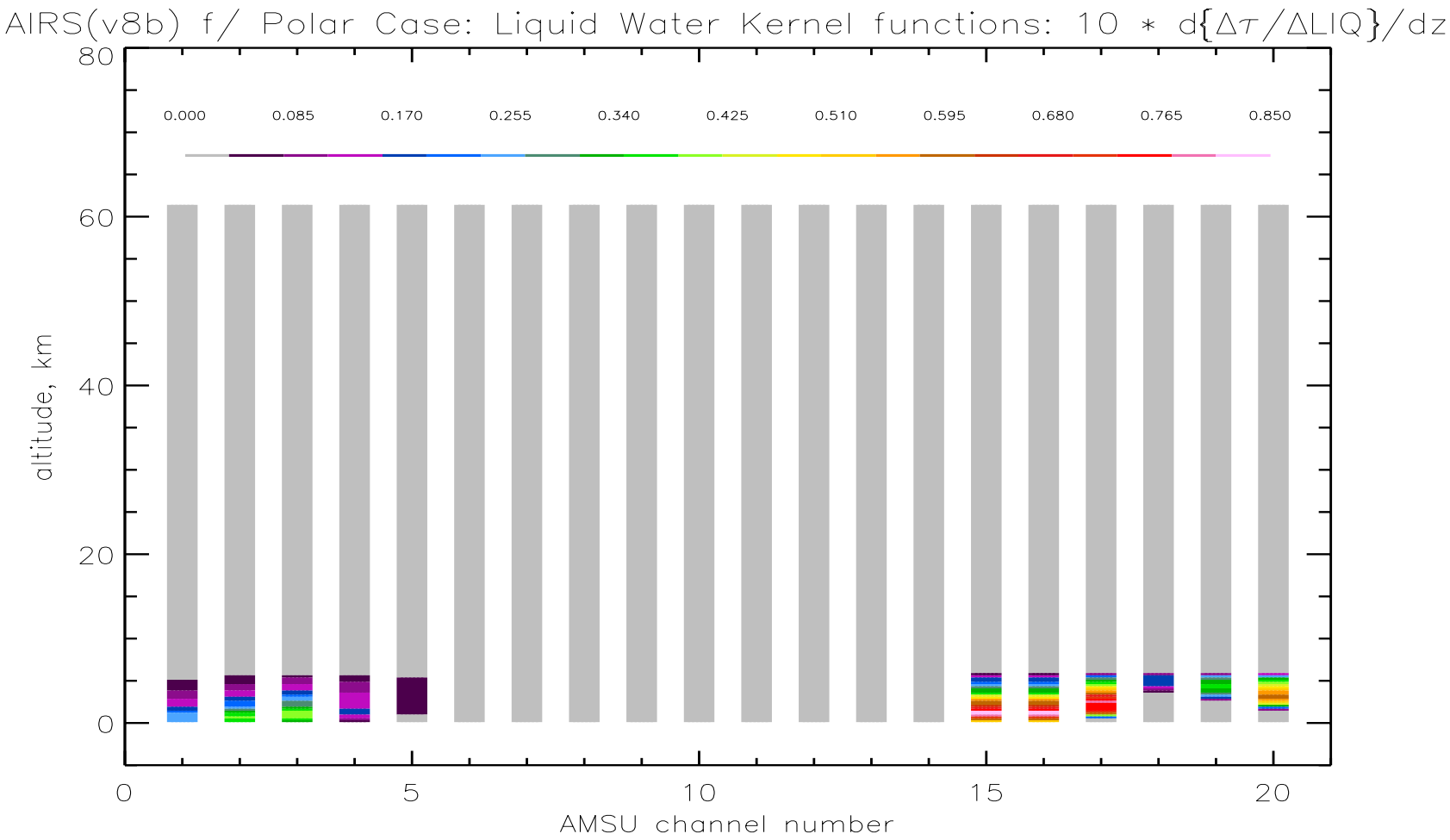
AMSU $H_2O(p)$ KERNEL Functions



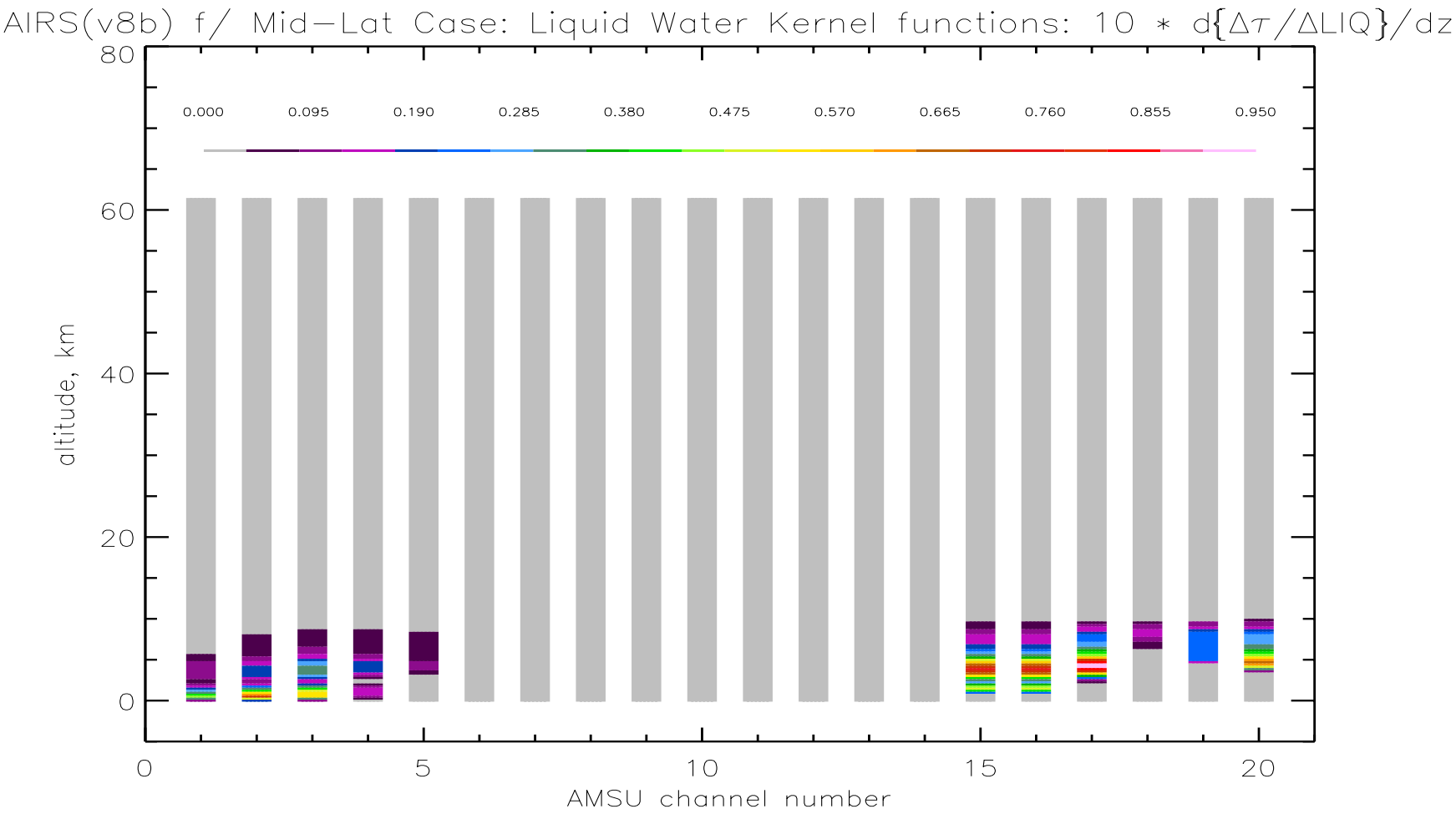
AMSU $H_2O(p)$ KERNEL Functions



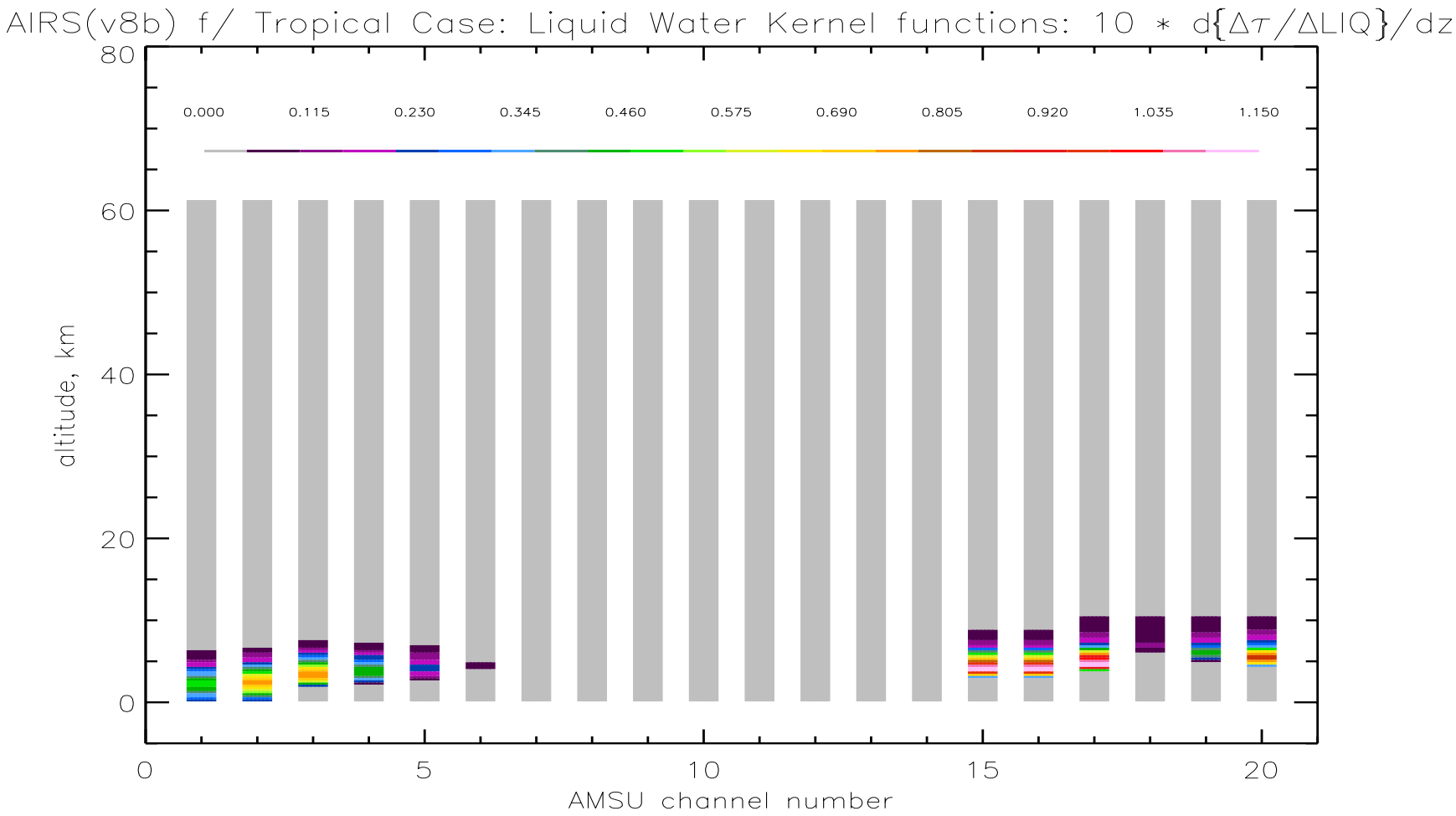
AMSU Liquid Water) KERNEL Functions



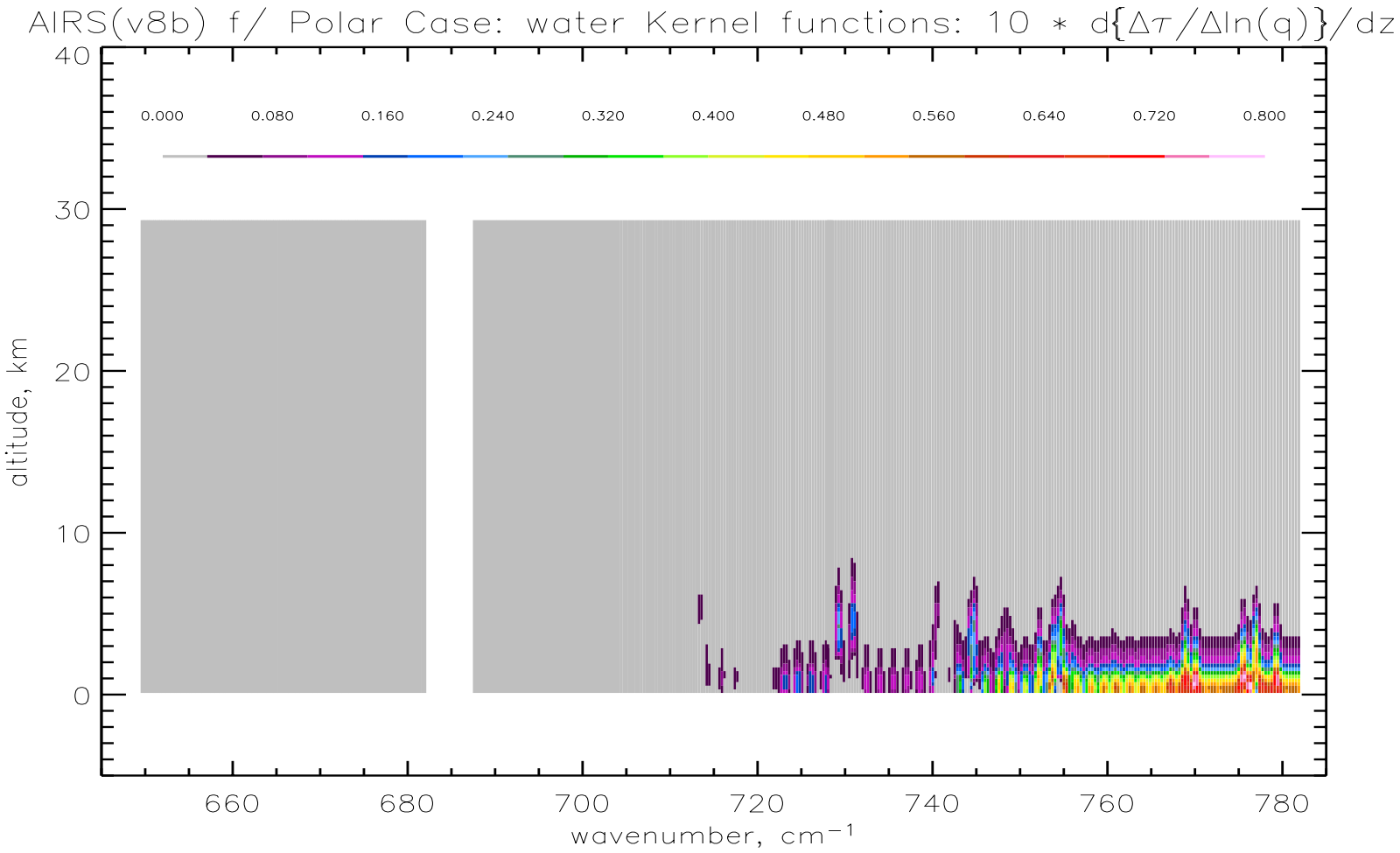
AMSU Liquid Water) KERNEL Functions



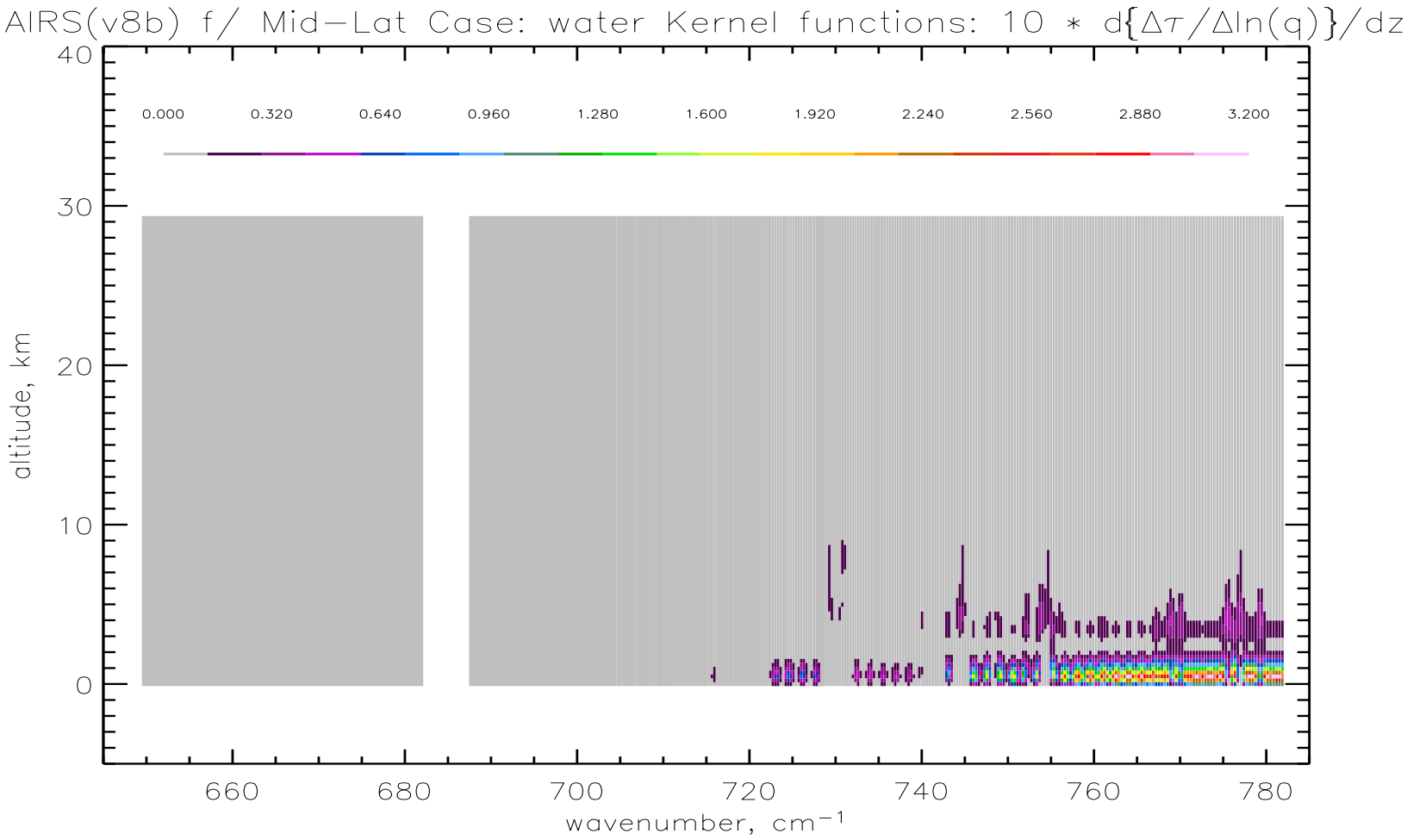
AMSU Liquid Water) KERNEL Functions



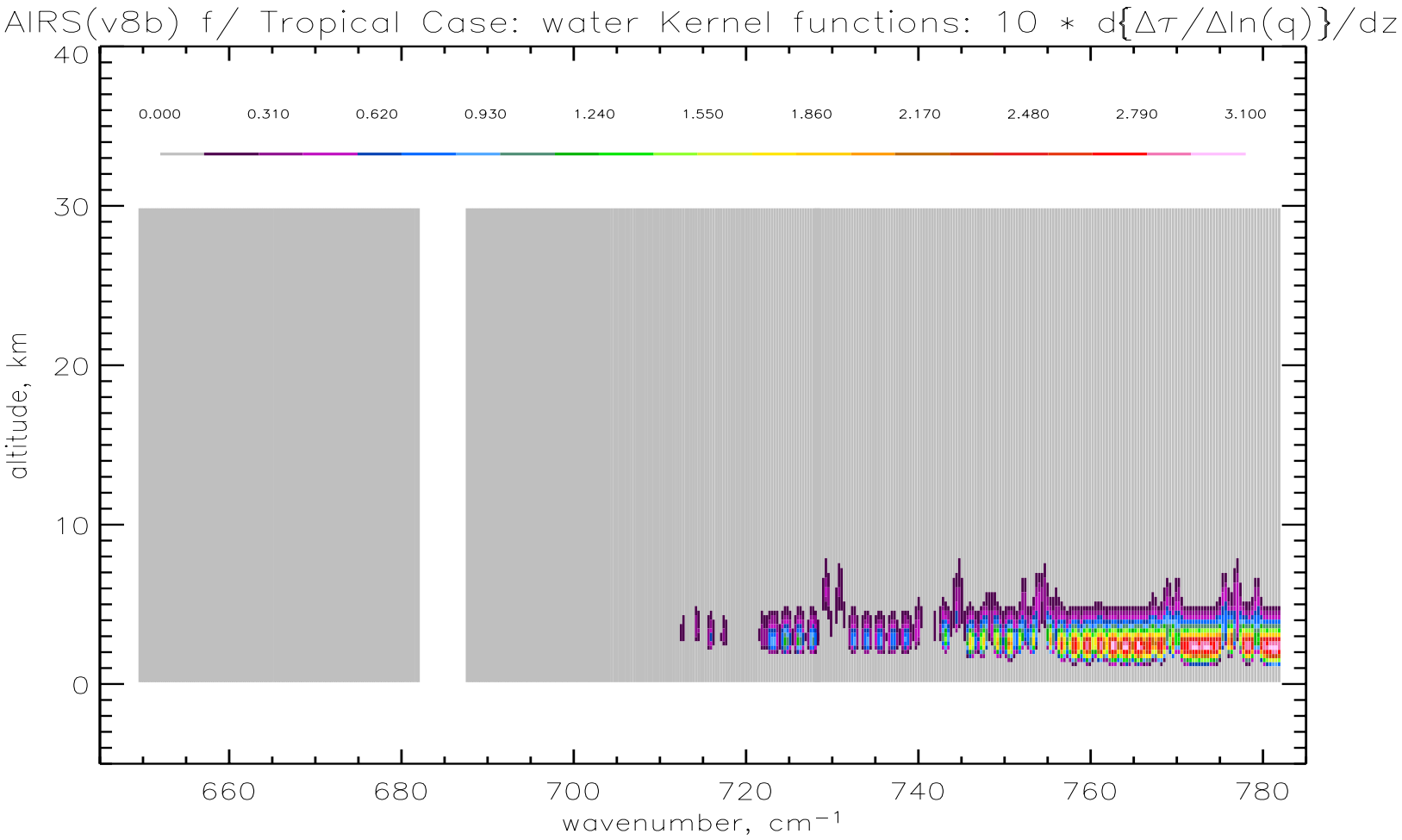
AIRS H_2O(p) KERNEL Functions: 650→ 780 cm^{-1}



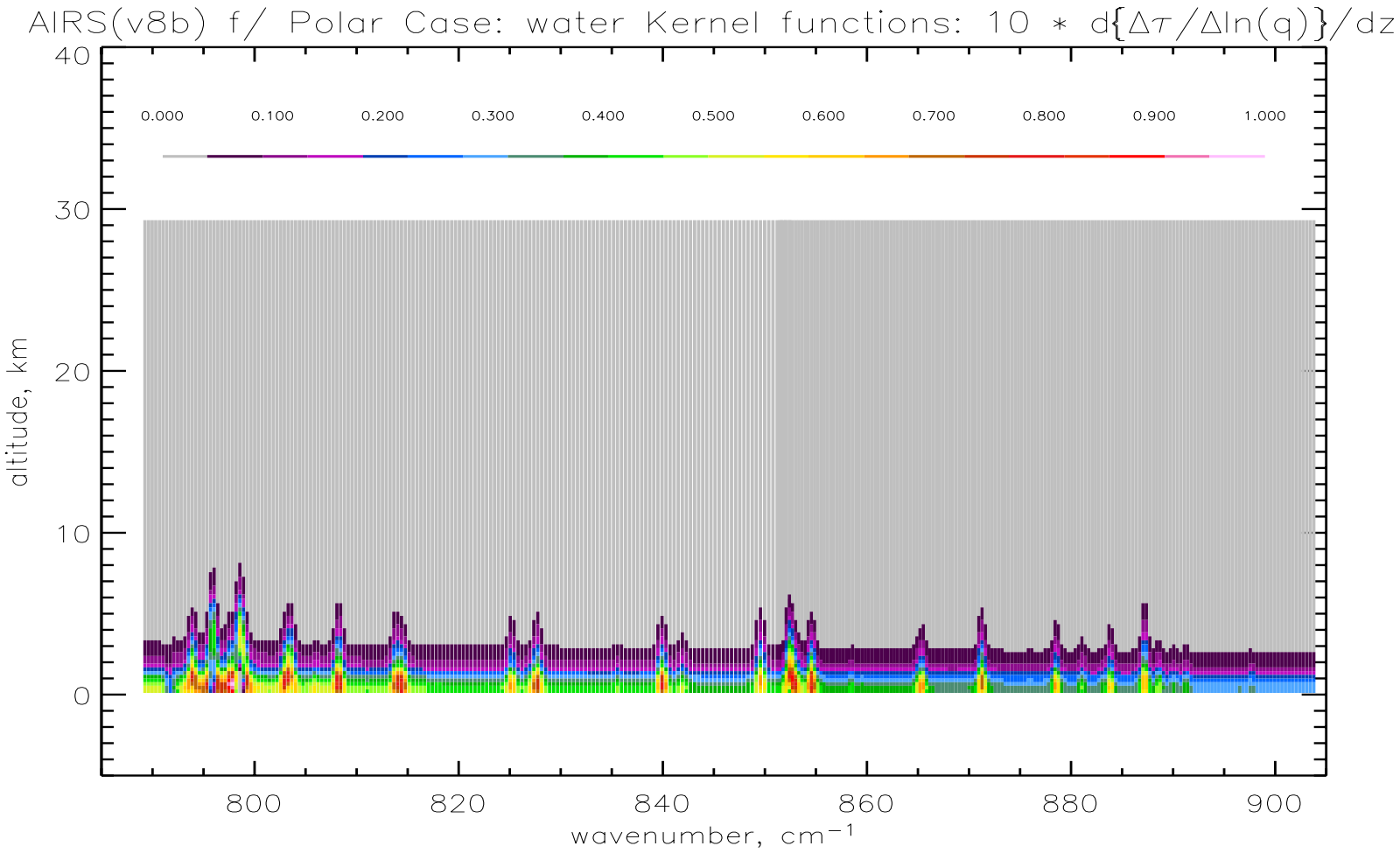
AIRS H_2O(p) KERNEL Functions: 650→ 780 cm^{-1}



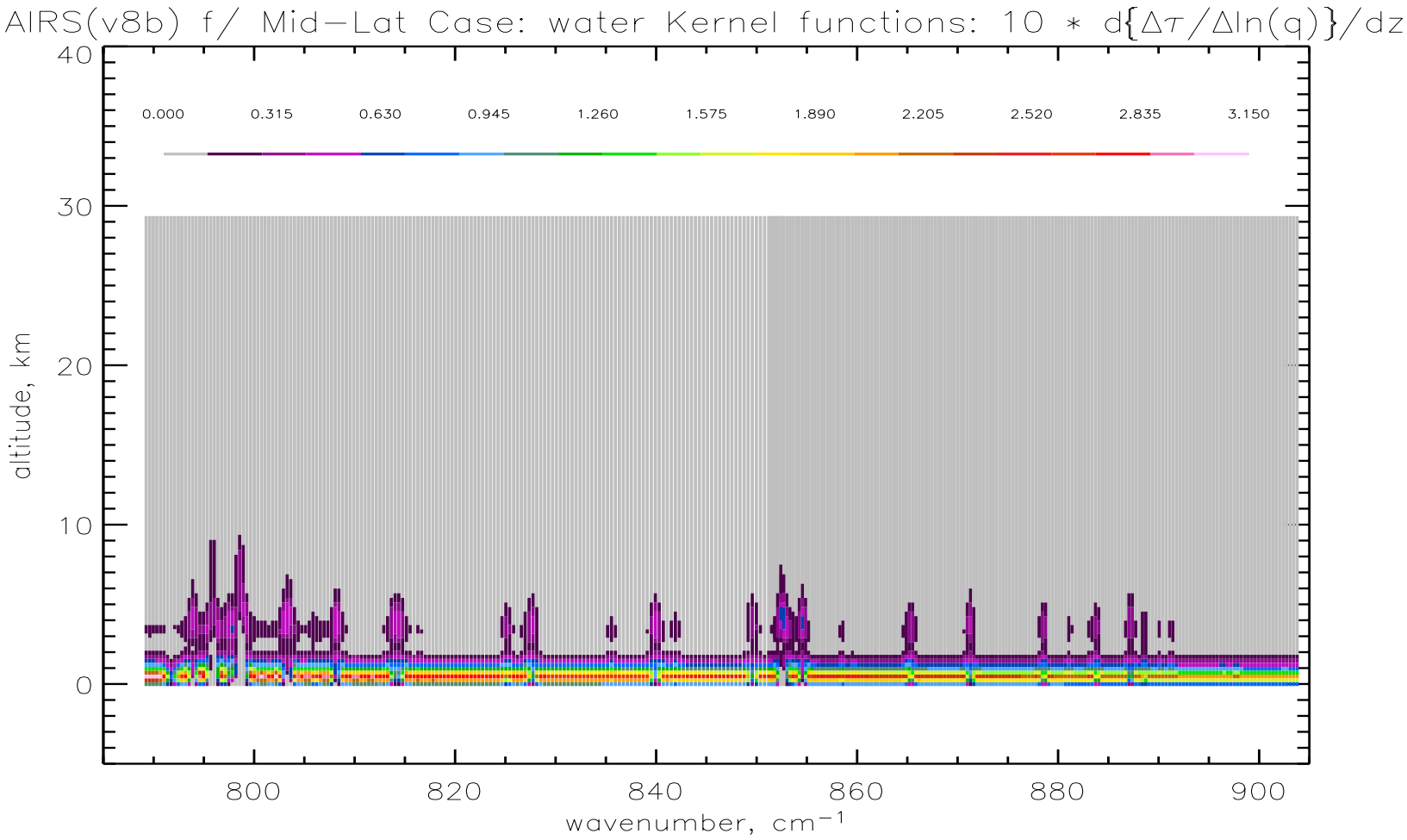
AIRS H_2O(p) KERNEL Functions: 650→ 780 cm^{-1}



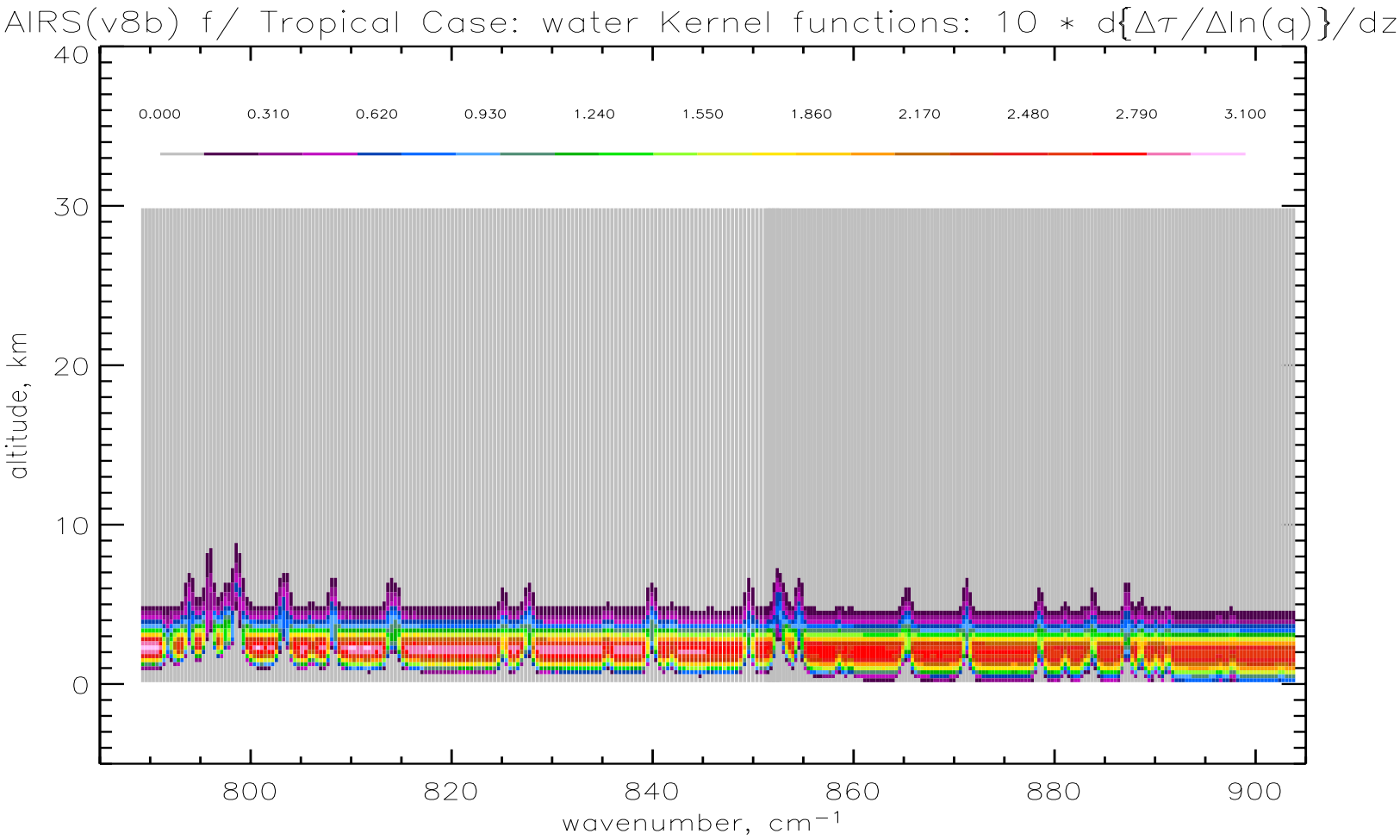
AIRS H_2O(p) KERNEL Functions: 780→ 910 cm^{-1}



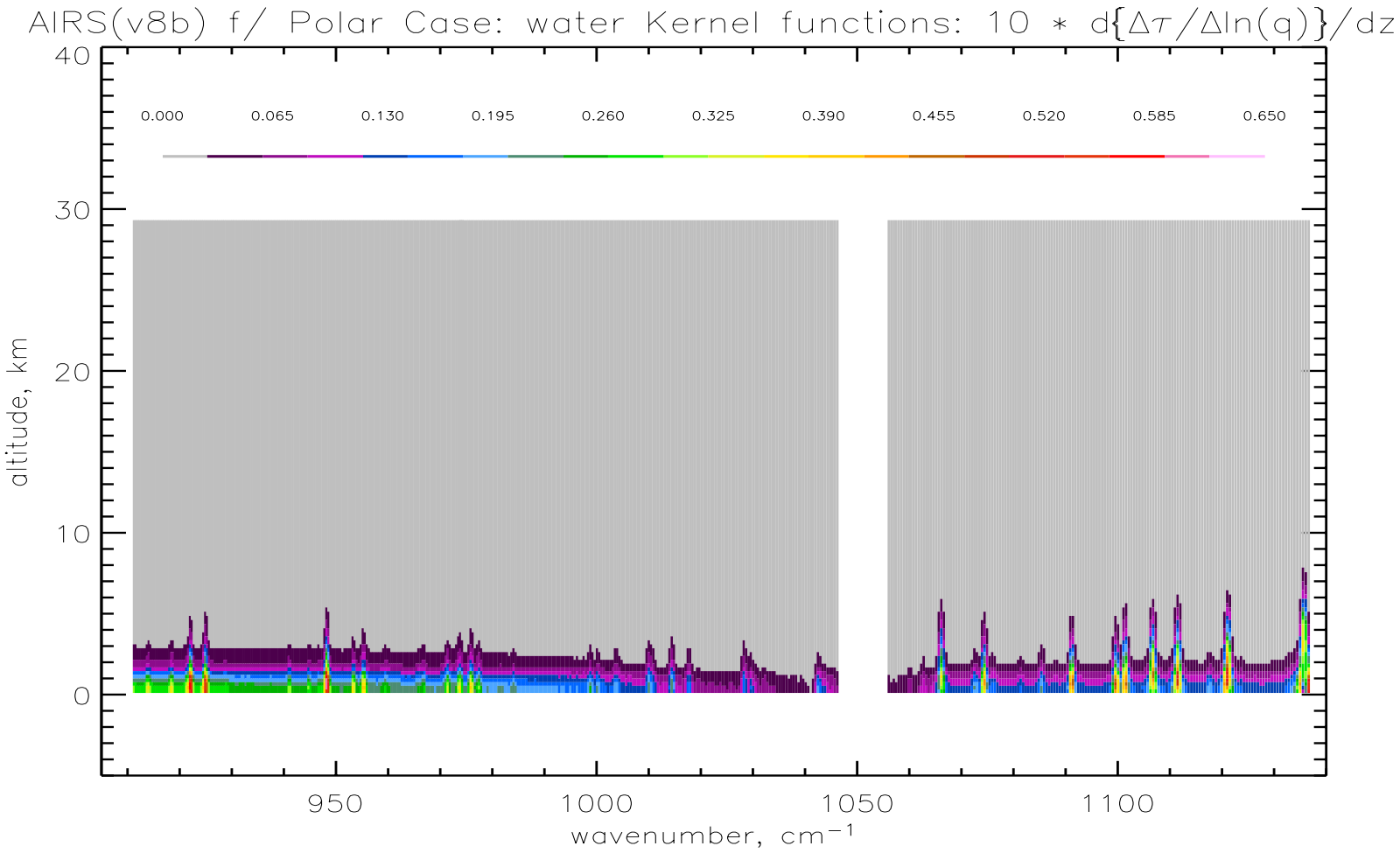
AIRS H_2O(p) KERNEL Functions: 780→ 910 cm^{-1}



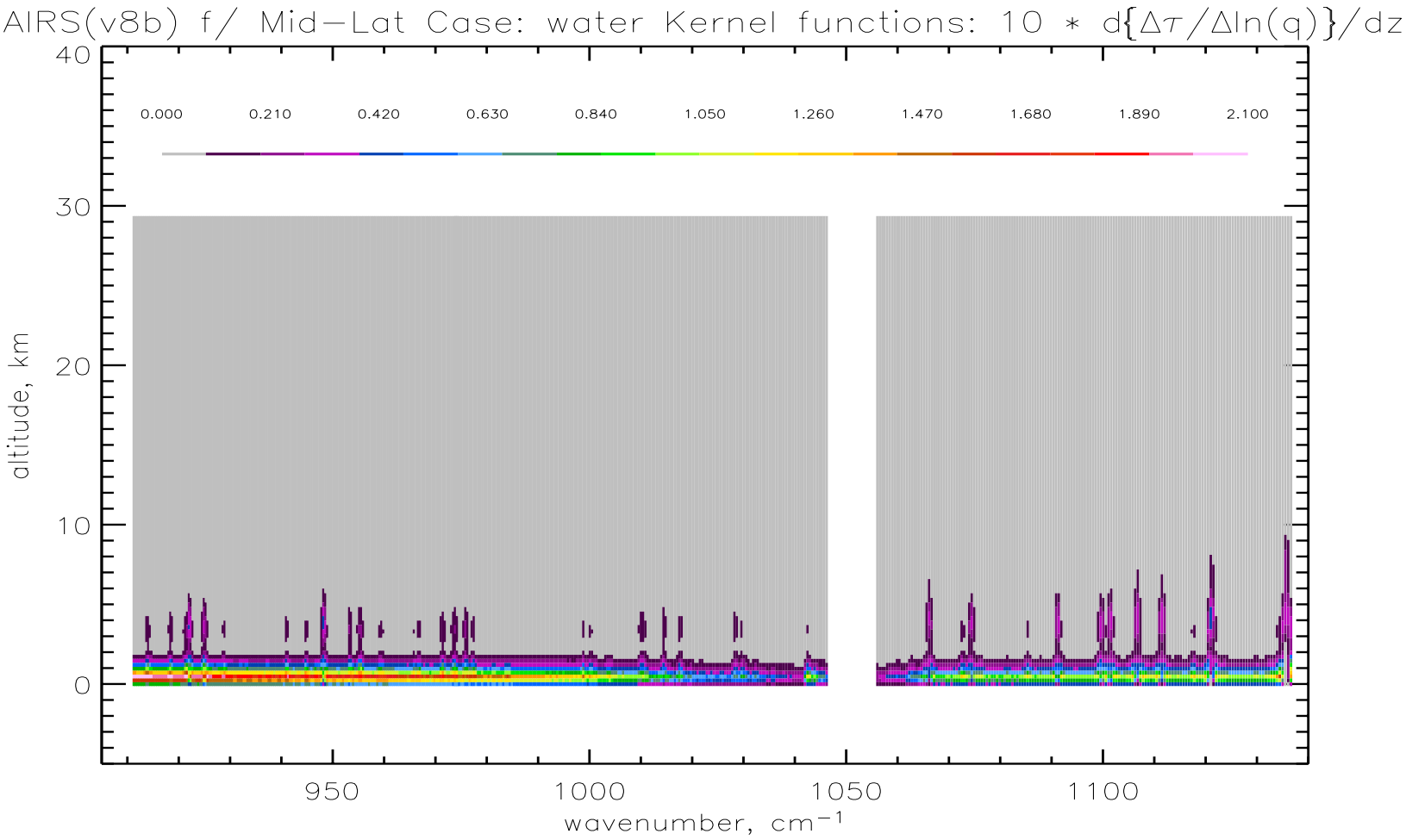
AIRS H_2O(p) KERNEL Functions: 780→ 910 cm^{-1}



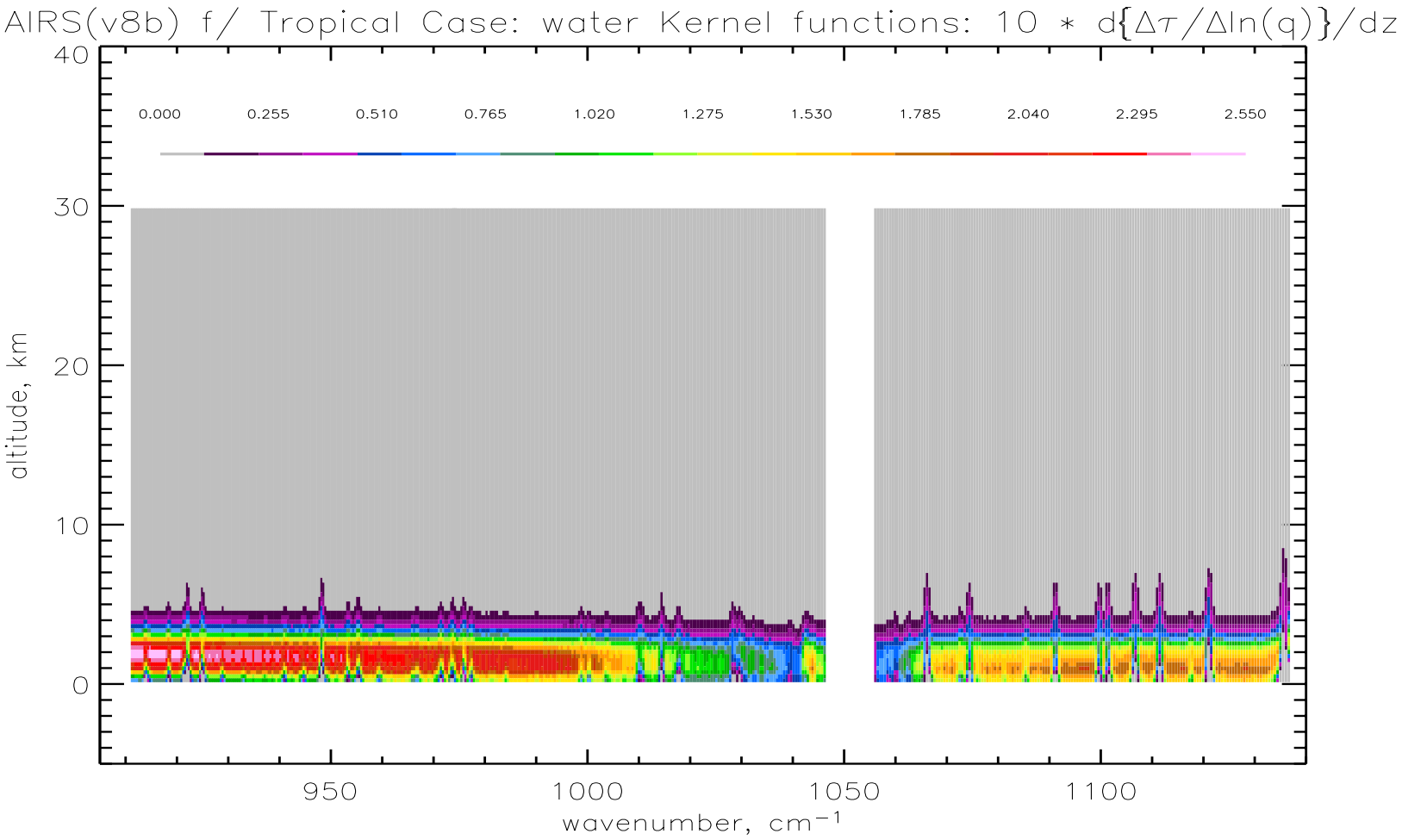
AIRS H_2O(p) KERNEL Functions: 910→ 1140 cm^{-1}



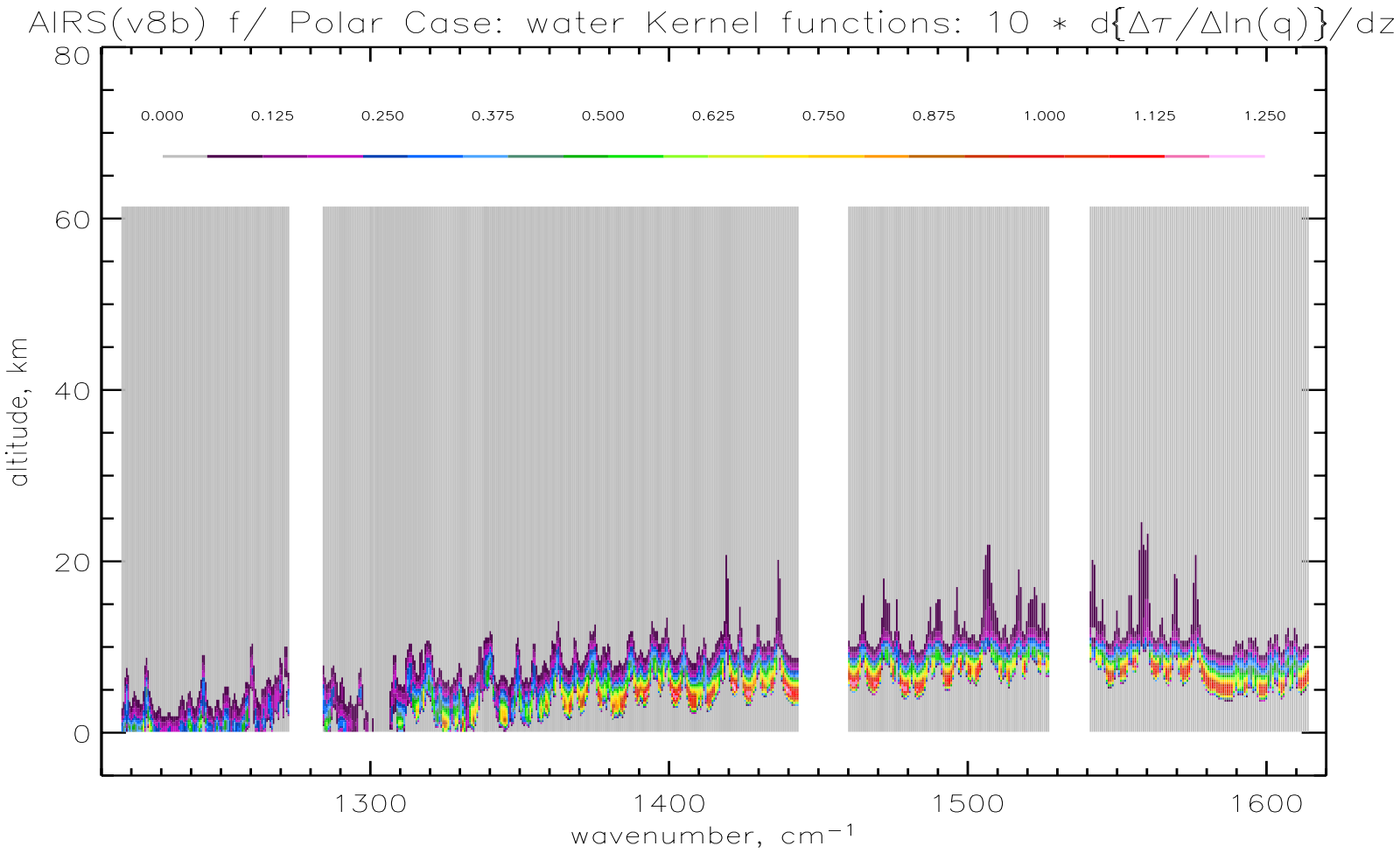
AIRS H_2O(p) KERNEL Functions: 910→ 1140 cm^{-1}



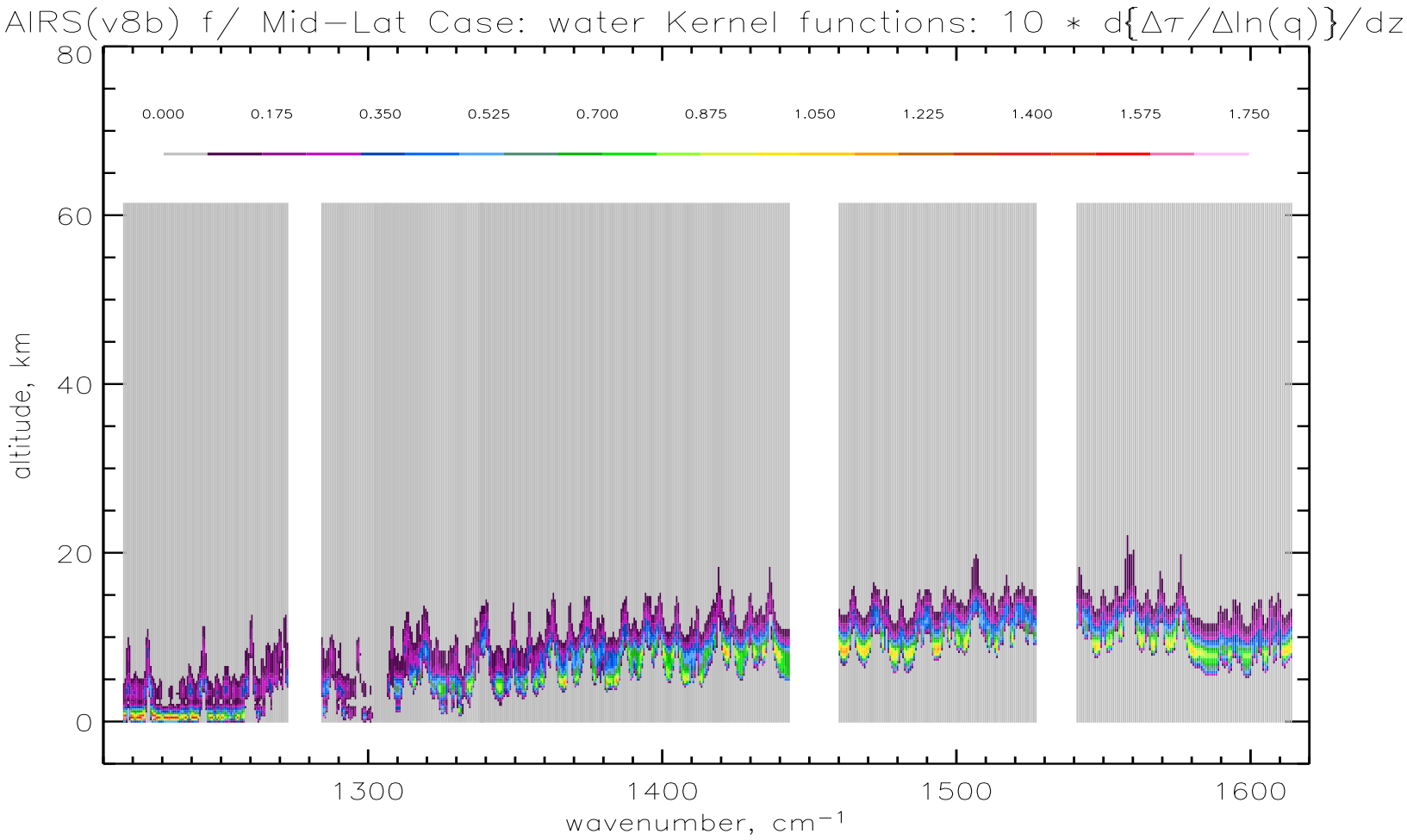
AIRS H_2O(p) KERNEL Functions: 910→ 1140 cm^{-1}



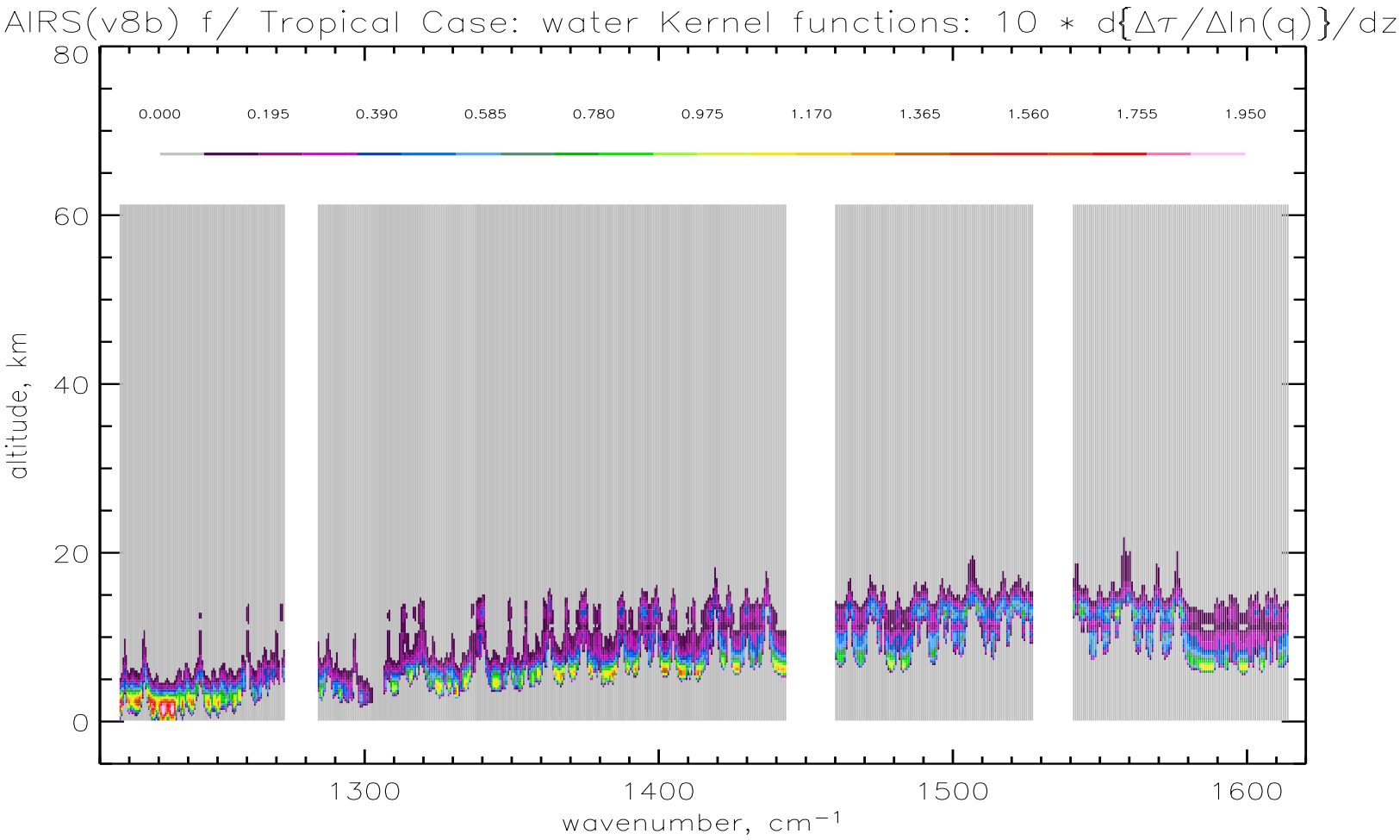
AIRS H_2O(p) KERNEL Functions: 1210→ 1620 cm^{-1}



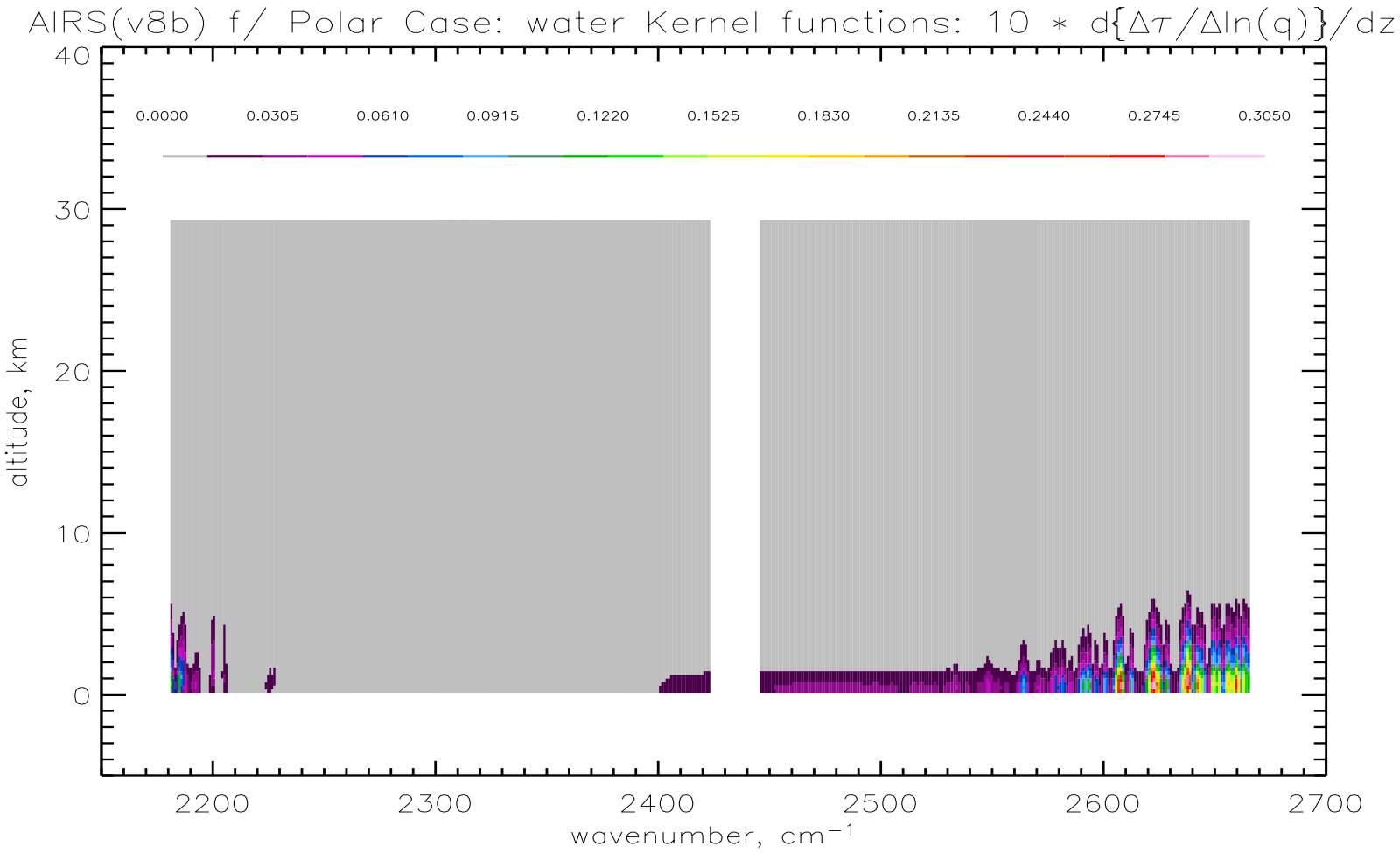
AIRS H_2O(p) KERNEL Functions: 1210→ 1620 cm^{-1}



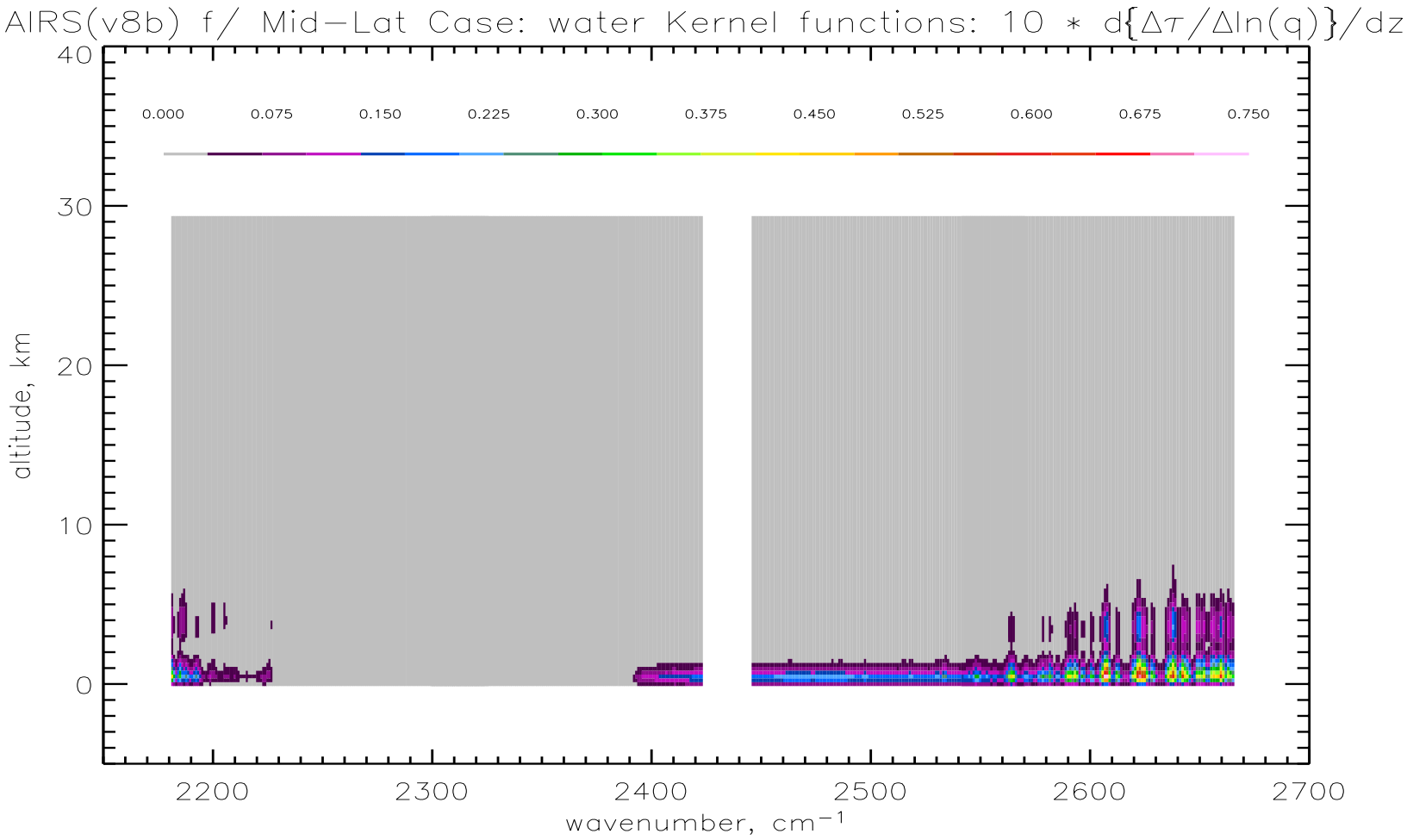
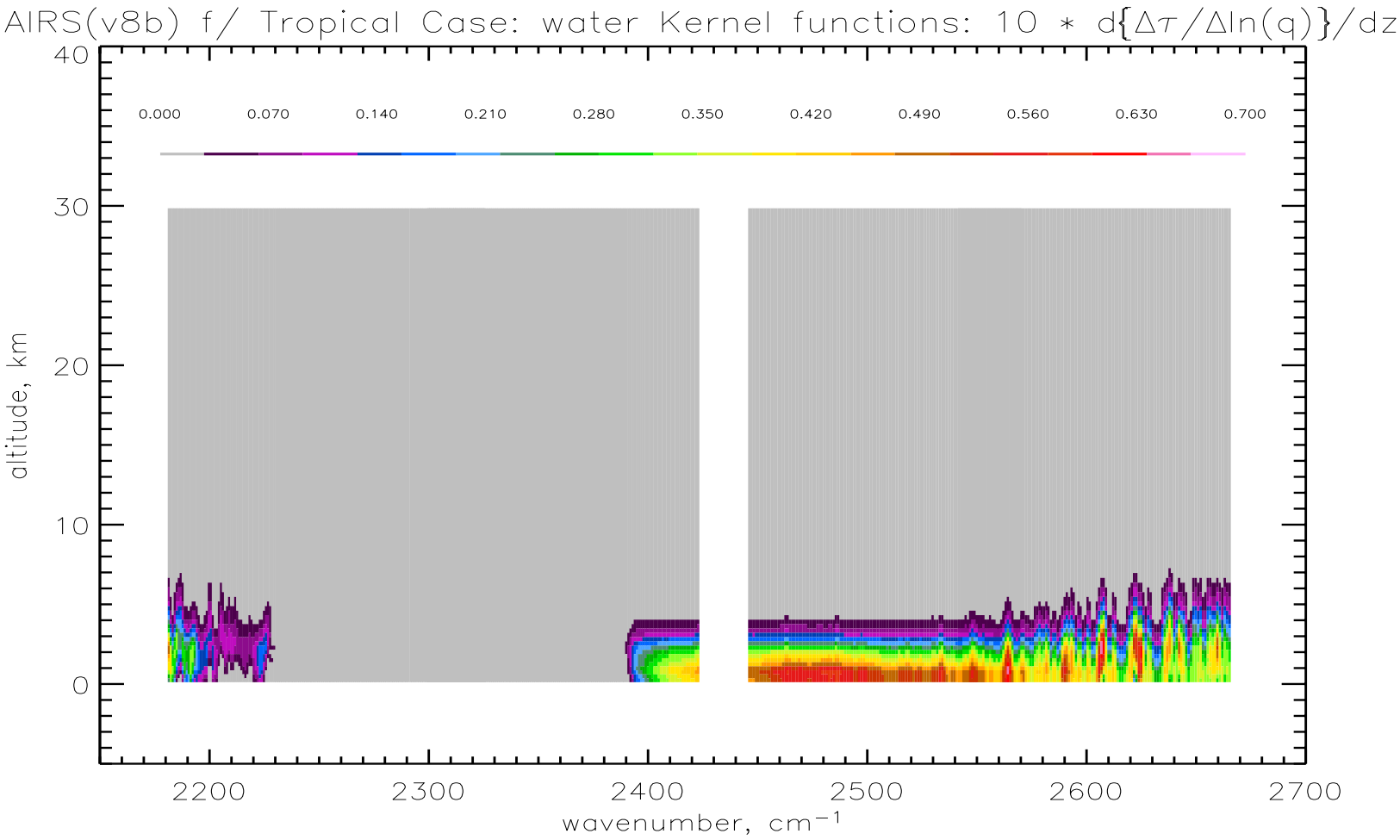
AIRS $H_2O(p)$ KERNEL Functions: 1210→ 1620 cm^{-1}



AIRS H_2O(p) KERNEL Functions: 2180→ 2700 cm^{-1}



AIRS H_2O(p) KERNEL Functions: 2180→ 2700 cm^{-1}



AIRS $H_2O(p)$ KERNEL Functions: 2180→ 2700 cm^{-1}