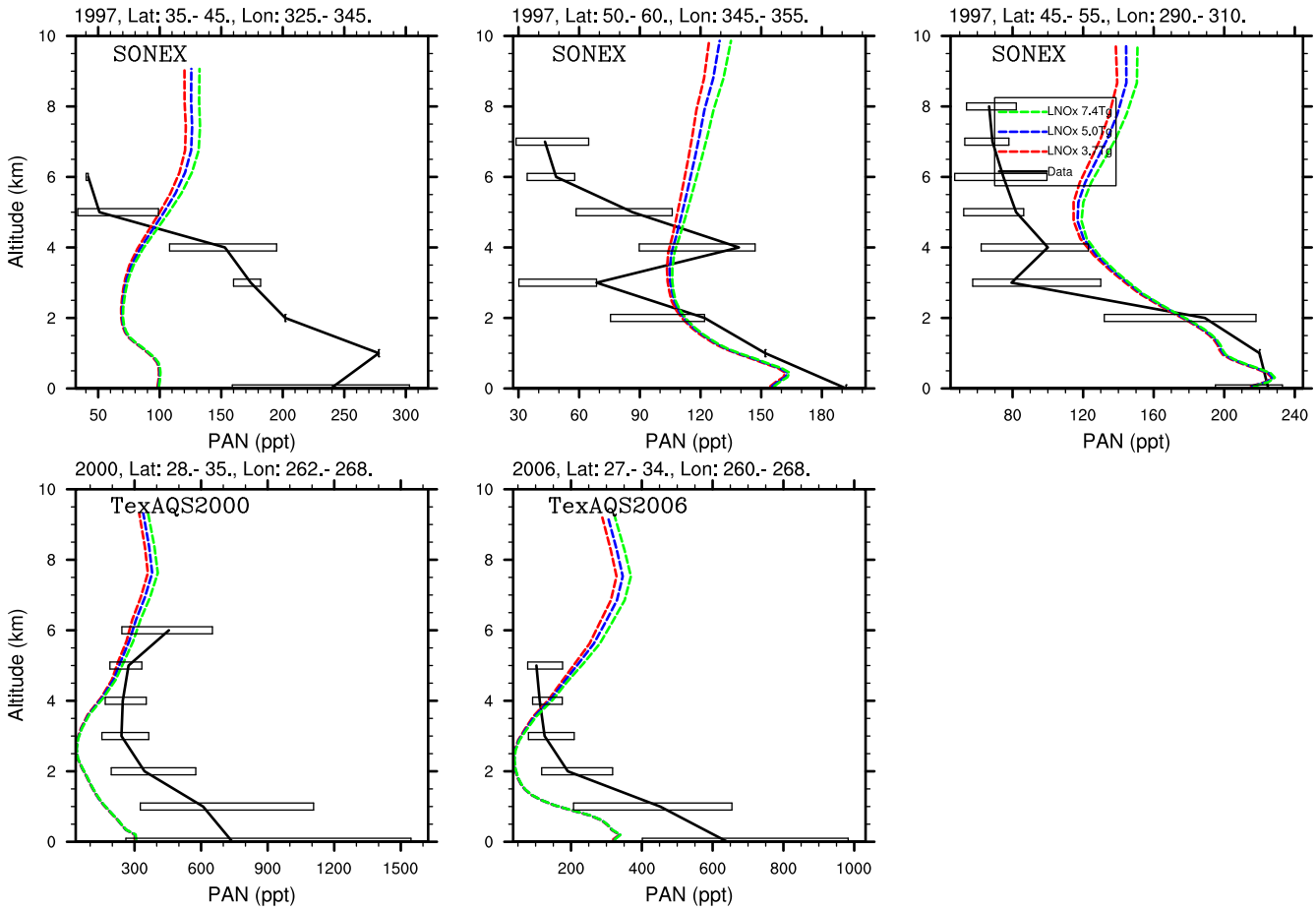Northern Hemisphere Midlat SON PAN