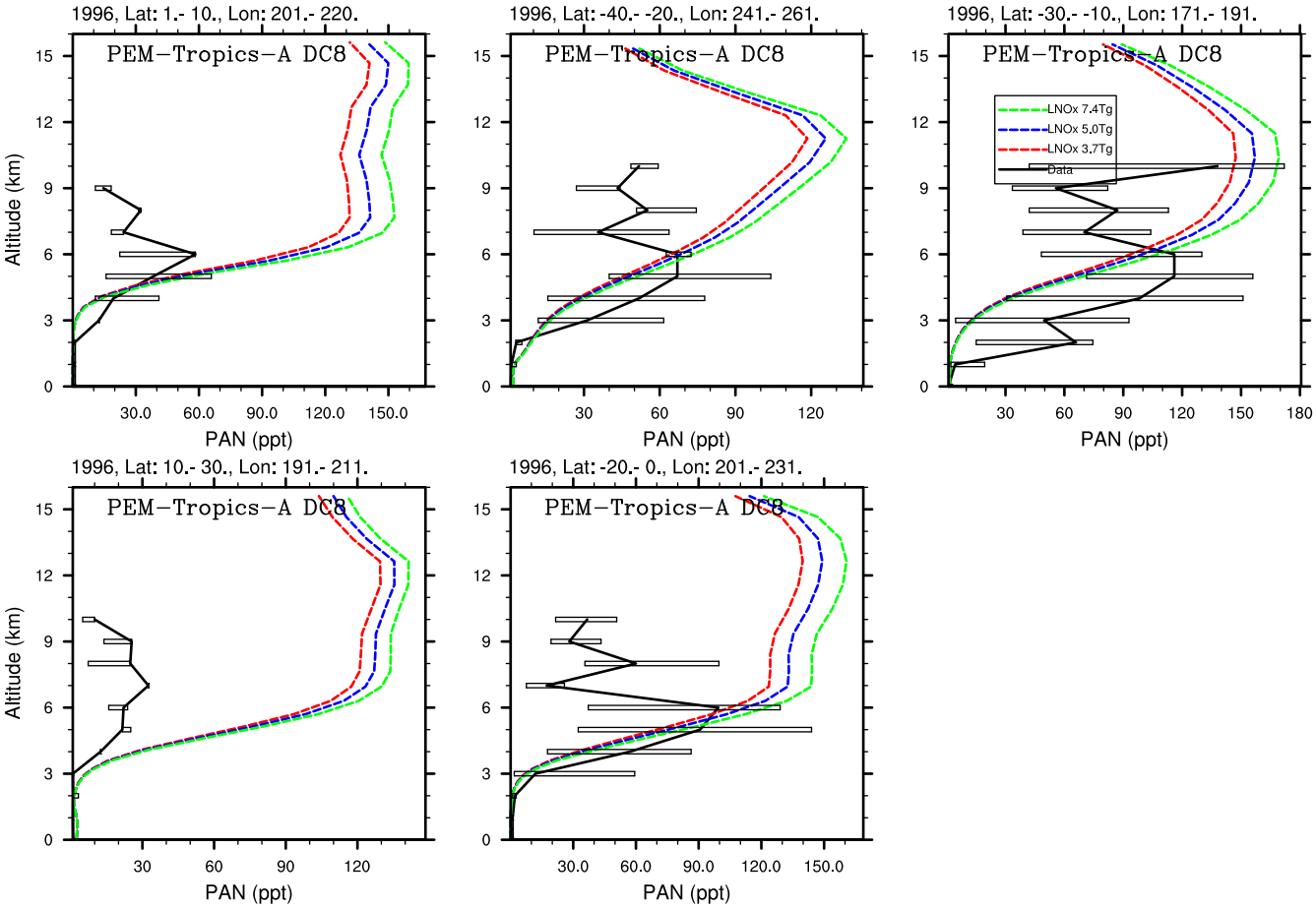Tropics SON PAN