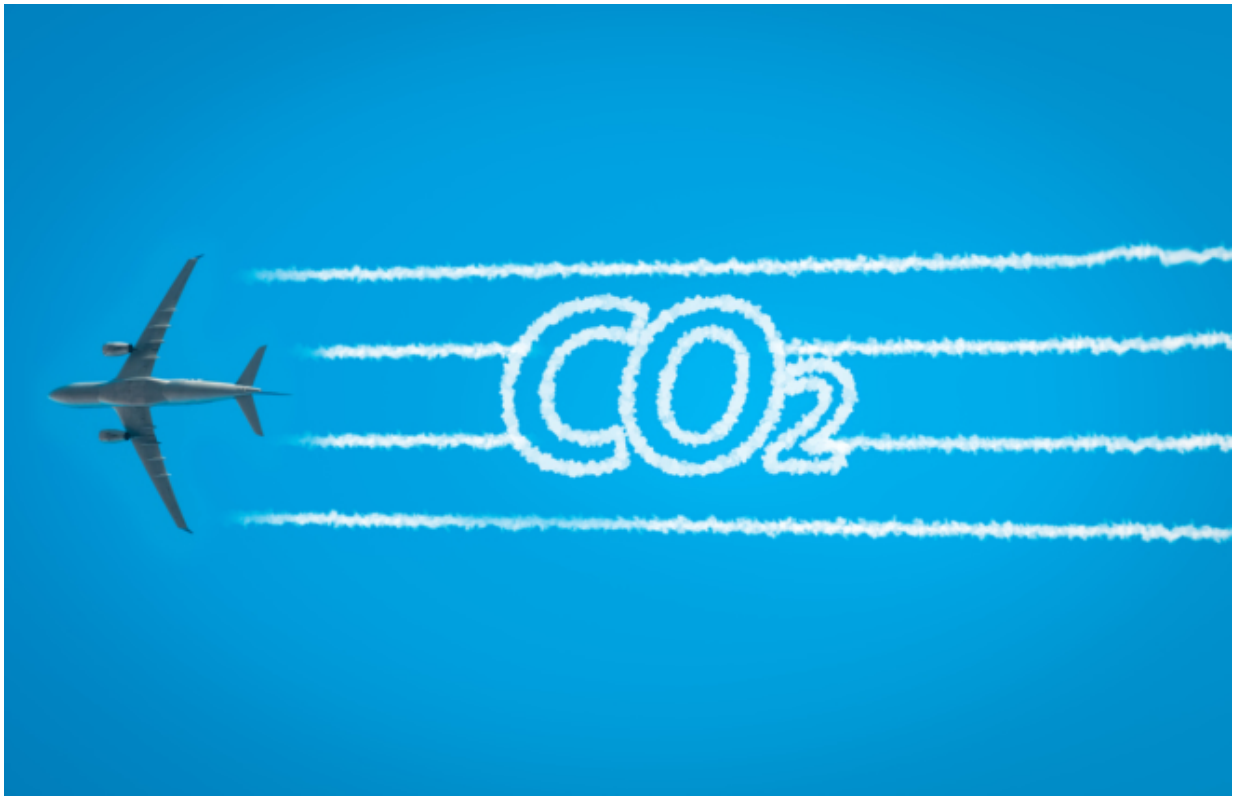
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IPCC???????CO2??????????????

?? ?? · Friday, December 3rd, 2021

IPCC??????8????????1??



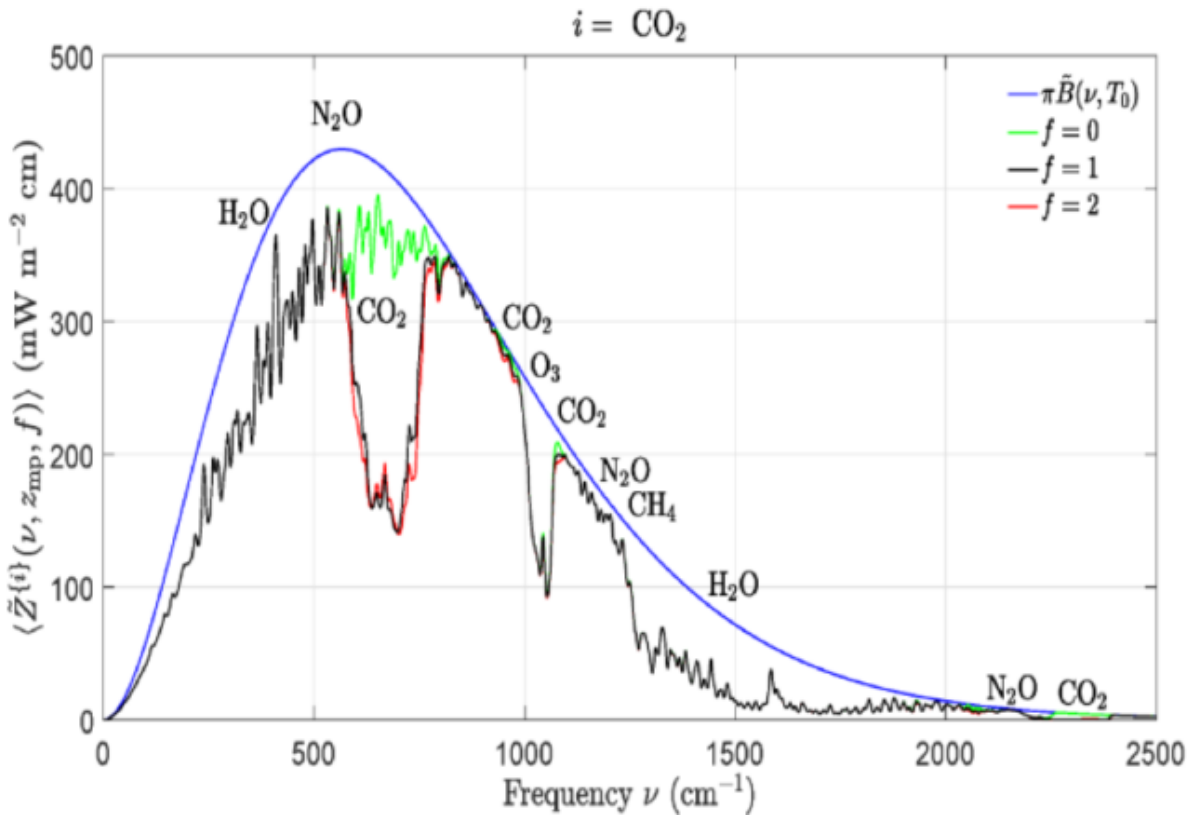
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van Wijngaarden, W. A., & Happer, W. (2020). Dependence of Earth’s Thermal Radiation on Five Most Abundant Greenhouse Gases.

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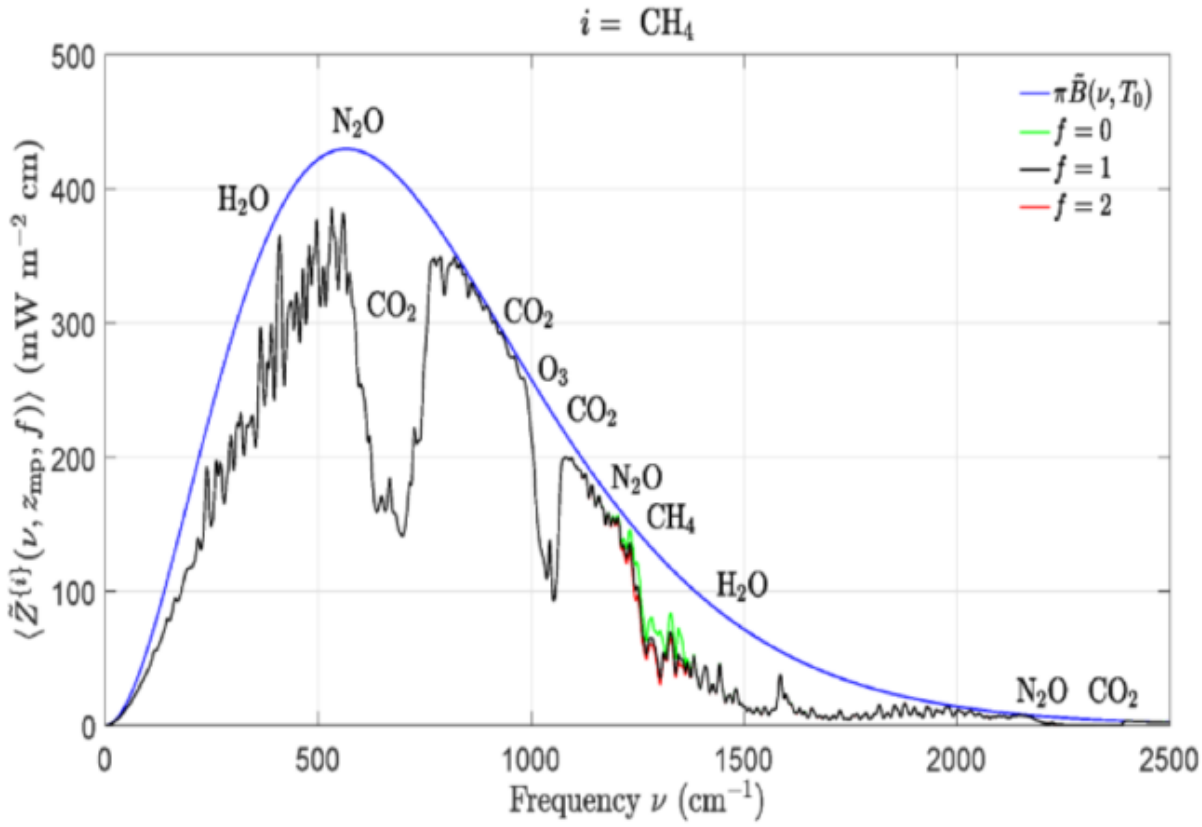
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f=1??H_2O????

CO_2???????????f=0???????????CO_2????????????????????????????????CO_2?????????

CO_2???2?????f=2??

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?2

???????CO_2??????????????????????????????????

??????????CO_2?2?????3.0W/m^2?????????????2?????0.7W/m^2???????????????????

		$\Delta F^{\{i\}}(z, f)$ in W m^{-2}			
		Ref. [13]		This Work	
i	f	z_{tp}	z_{mp}	z_{tp}	z_{mp}
H_2O	1.06	1.4	1.1	0.9	0.7
CO_2	2	5.5	2.8	5.5	3.0
O_3	1.1			0.3	0.3
N_2O	2	1.3	1.2	1.2	1.1
CH_4	2	0.6	0.6	0.8	0.7

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