Non-labelled

You are a helpfull assistant, which follows the users instructions.

DATE=1850-01. You have the following values:
 C2=105.30693968686, C5=0.51687127819, C4=1.72191657694, C6=0.04143545265,
 C3=0.08200751013, C1=209960042.19642901421, A5=0, A2=0, A1=0, A4=0, A3=0, A6=0, B16=32.21624817318, B14=0, B25=0, B33=0.00000463715, B26=0, B1=0, B5=0, B41=5.24787335528, B17=0, B39=0, B11=34.05000138813, B31=0, B35=0, B46=0.00002627166, B23=0, B20=0, B21=6.15378825797, B4=0, B40=812.6337846544, B45=0, B24=0, B6=0, B36=0, B22=0.00445036447, B43=0, B42=456.61794221666, B3=0, B28=0, B15=0, B7=0, B37=0.00026434646, B12=0, B8=0, B2=0, B34=0, B32=0, B10=0.02956195459, B38=0, B29=0, B9=285.22121149699, B13=0, B30=19.15334796906, B19=7.53069833421, B44=273.06793051826, B18=16.59902823236, B27=0, D1=8.17618942261, D3=1.6172542572, D7=1361.06640625, D6=77.09456634521, D4=0.99814385176, D2=120.47502136231, D5=0.21465123841, E1=0.00000015132. predict the value based on the provided values.

The answer must be in the following format: The value is

The value is 284.47

Wrong-labelled

You are a helpfull assistant, which follows the users instructions.

DATE=1850-01. You have the following values

: Aerosol volume density=105.30693968686 μm³/cm-³, Nitrogen-oxides aircraft emissions $(NO_x)=0.51687127819$ kg m⁻² s⁻¹, HFC-134a-equivalent mole fraction (HFC-134a eq)=1.72191657694 ppt, Carbon-dioxide mole fraction $(CO_2)=0.04143545265$ ppm, Carbon tetrachloride mole fraction (CCl₄)=0.08200751013 ppt, Decafluorobutane mole fraction $(C_4F_{10})=209960042.19642901421$ ppt, Octafluoropropane mole fraction $(C_3F_8)=0$ ppt, Nitrogen trifluoride mole fraction (NF₃)=0 ppt, Effective particle radius=0 microns, SAD weighted, 1,1,1-Trichloroethane mole fraction (CH₃CCl₃)=0 ppt, Halon-2402 mole fraction (CBrF₂-CBrF₂)=0 ppt, Methyl bromide mole fraction (CH₃Br)=0 ppt, Dichlorodifluoromethane mole fraction (CFC-12)=32.21624817318 ppt, H₂SO₄ column mass burden=0 molecules/cm⁻³, Organic-carbon aircraft emissions (OC)=0 kg m⁻² s⁻¹, Spectral-solar-irradiance (SSI)=0.00000463715 W m^{-2} nm $^{-1}$, HFC-143a mole fraction (CF₃CH₃)=0 ppt, Sunspot number (SSN)=0 unitless, Dodecafluoropentane mole fraction (C₅F₁₂)=0 ppt, HCFC-22 mole fraction (CHClF₂)=5.24787335528 ppt, Hexadecafluoroheptane mole fraction $(C_7F_{16})=0$ ppt, Sulphur-hexafluoride mole fraction $(SF_6)=0$ ppt, CFC-12equivalent mole fraction (CFC-12 eq)=34.05000138813 ppt, Trichlorotrifluoroethane mole fraction (CFC-113)=0 ppt, Solar-cycle phase (SCPH)=0 radian/pi, Non-methane VOC aircraft emissions (NMVOC)=0.00002627166 kg m^{-2} s⁻¹, Dichloromethane mole fraction (CH₂Cl₂)=0 ppt, Sulphuryl fluoride mole fraction (SO₂F₂)=0 ppt, Optical depth of large particles=6.15378825797 μm²/ cm⁻³, Nitrous-oxide mole fraction (N₂O)=0 ppb, HFC-227ea mole fraction (CF₃CHFCF₃)=812.6337846544 ppt, Ammonia aircraft emissions (NH₃)=0 kg m-² s-¹, Total-solar-irradiance (TSI)=0 W m^-2, HFC-125 mole fraction (CHF₂CF₃)=0 ppt, HFC-245fa mole fraction (CHF₂CH₂CF₃)=0 ppt, HFC-23 mole fraction $(CHF_3)=0.00445036447$ ppt, Perfluoro-2-butene mole fraction $(C_4F_8)=0$ ppt, Overpressure at injection level=456.61794221666 hPa, Tetrafluoromethane mole fraction (CF₄)=0 ppt, Geomagnetic Ap index (Ap)=0 nT, Chloropentafluoroethane mole fraction (CFC-115)=0 ppt, HCFC-141b mole fraction (CH₃CCl₂F)=0 ppt, Octadecafluorooctane mole fraction (C₈F₁₈)=0.00026434646 ppt, Methane mole fraction (CH₄)=0 ppb, Trichlorofluoromethane mole fraction (CFC-11)=0 ppt,

HCFC-142b mole fraction (CH₃CClF₂)=0 ppt, Chloroform mole fraction (CHCl₃)=0 ppt, Halon-1301 mole fraction (CBrF₃)=0 ppt, 10.7 cm radio flux (F10.7)=0.02956195459 10-22 W m^-2 Hz^-1, Stratospheric aerosol optical depth $(SAD)=0 \mu m^2/cm^{-3}$. Tetradecafluorohexane mole fraction $(C_6F_{14})=0$ ppt. Dichlorotetrafluoroethane mole fraction (CFC-114)=285.22121149699 ppt, HFC-4310mee mole fraction (CF₃CHFCHFCF₂CF₃)=0 ppt, Black-carbon aircraft emissions (BC)=19.15334796906 kg m⁻² s⁻¹, HFC-32 mole fraction $(CH_2F_2)=7.53069833421$ ppt, Geomagnetic Kp index (Kp)=273.06793051826 unitless, HFC-236fa mole fraction (CF₃CH₂CF₃)=16.59902823236 ppt, CFC-11-equivalent mole fraction (CFC-11 eq)=0 ppt, Halon-1211 mole fraction (CBrClF₂)=8.17618942261 ppt, Sulphur-dioxide aircraft emissions $(SO_2)=1.6172542572$ kg m⁻² s⁻¹, Hexafluoroethane mole fraction (C₂F₆)=1361.06640625 ppt, HFC-365mfc mole fraction (CH₃CF₂CH₂CF₃)=77.09456634521 ppt, HFC-134a mole fraction (CF₃CH₂F)=0.99814385176 ppt, HFC-152a mole fraction (CHF₂CH₃)=120.47502136231 ppt, Ozone volume-mixing ratio (vmro3)=0.21465123841 mole mole-1, Methyl chloride mole fraction (CH₃Cl)=0.0000015132 ppt. predict the near surface air temperature (2 meters above the ground), based on the provided values. The answer must be in the following format: The near surface air temperature (2

meters above the ground) is Kelvin ,based on the inputted forcing data

The near surface air temperature (2 meters above the ground) is 284.47 Kelvin

Correct-labelled

You are a helpfull assistant, which follows the users instructions.

DATE=1850-01. You have the following values

,based on the inputted forcing data

: | Volcanic stratospheric-aerosol emissions: (units shown inline); Overpressure at injection level = 105.30693968686 hPa; Optical depth of large particles = 0.51687127819 μm²/cm-³; Stratospheric aerosol optical depth (SAD) = $1.72191657694 \mu m^2/cm^{-3}$; Aerosol volume density = $0.04143545265 \mu m^3/cm^{-3}$; Effective particle radius = 0.08200751013 microns, SAD weighted; H₂SO₄ column mass burden = 209960042.19642901421 molecules/cm-3 | Anthropogenic aerosol emissions: (all values in kg m-² s-¹ — kilograms per square metre per second); Organic-carbon aircraft emissions (OC) = $0 \text{ kg m}^{-2} \text{ s}^{-1}$; Ammonia aircraft emissions (NH₃) = 0 kg m⁻² s⁻¹; Black-carbon aircraft emissions (BC) = 0 kg m⁻² s⁻¹; Nitrogen-oxides aircraft emissions (NO_x) = $0 \text{ kg m}^{-2} \text{ s}^{-1}$; Non-methane VOC aircraft emissions (NMVOC) = 0 kg m⁻² s⁻¹; Sulphur-dioxide aircraft emissions $(SO_2) = 0$ kg m⁻² s⁻¹ | Well-mixed greenhouse-gas emissions: (units: ppb - parts per billion; ppm — parts per million; ppt — parts per trillion); CFC-11equivalent mole fraction (CFC-11 eq) = 32.21624817318 ppt; Chloropentafluoroethane mole fraction (CFC-115) = 0 ppt; HCFC-141b mole fraction (CH₃CCl₂F) = 0 ppt; HFC-227ea mole fraction (CF₃CHFCF₃) = 0.00000463715 ppt; HCFC-142b mole fraction (CH₃CClF₂) = 0 ppt; Hexafluoroethane mole fraction $(C_2F_6) = 0$ ppt; Tetradecafluorohexane mole fraction $(C_6F_{14}) = 0$ ppt; Methyl bromide mole fraction (CH₃Br) = 5.24787335528 ppt; Dichlorodifluoromethane mole fraction (CFC-12) = 0 ppt; HFC-4310mee mole fraction $(CF_3CHFCHFCF_2CF_3) = 0$ ppt; Tetrafluoromethane mole fraction $(CF_4) =$ 34.05000138813 ppt; HFC-143a mole fraction (CF₃CH₃) = 0 ppt; HFC-23 mole fraction (CHF₃) = 0 ppt; Sulphuryl fluoride mole fraction (SO_2F_2) = 0.00002627166 ppt; Halon-1301 mole fraction (CBrF₃) = 0 ppt; 1,1,1-Trichloroethane mole fraction (CH₃CCl₃) = 0 ppt; Chloroform mole fraction $(CHCl_3) = 6.15378825797$ ppt; Dodecafluoropentane mole fraction $(C_5F_{12}) = 0$ ppt; Methane mole fraction (CH₄) = 812.6337846544 ppb; Sulphur-hexafluoride mole fraction (SF₆) = 0 ppt; Halon-2402 mole fraction (CBrF₂-CBrF₂) = 0 ppt; Hexadecafluoroheptane mole fraction (C_7F_{16}) = 0 ppt; HFC-245fa mole fraction

 $(CHF_2CH_2CF_3) = 0$ ppt; Halon-1211 mole fraction $(CBrClF_2) = 0.00445036447$ ppt; Nitrogen trifluoride mole fraction (NF₃) = 0 ppt; Methyl chloride mole fraction $(CH_3Cl) = 456.61794221666$ ppt; Decafluorobutane mole fraction $(C_4F_{10}) = 0$ ppt; HFC-125 mole fraction (CHF₂CF₃) = 0 ppt; Trichlorofluoromethane mole fraction (CFC-11) = 0 ppt; Octadecafluorooctane mole fraction $(C_8F_{18}) = 0$ ppt; HFC-32 mole fraction $(CH_2F_2) = 0.00026434646$ ppt; Trichlorotrifluoroethane mole fraction (CFC-113) = 0 ppt; Perfluoro-2-butene mole fraction (C₄F₈) = 0 ppt; Octafluoropropane mole fraction (C₃F₈) = 0 ppt; HFC-236fa mole fraction $(CF_3CH_2CF_3) = 0$ ppt; HFC-152a mole fraction $(CHF_2CH_3) = 0$ ppt; Carbon tetrachloride mole fraction (CCl₄) = 0.02956195459 ppt; HFC-365mfc mole fraction (CH₃CF₂CH₂CF₃) = 0 ppt; HFC-134a mole fraction (CF₃CH₂F) = 0 ppt; Carbon-dioxide mole fraction $(CO_2) = 285.22121149699$ ppm; Dichlorotetrafluoroethane mole fraction (CFC-114) = 0 ppt; HFC-134a-equivalent mole fraction (HFC-134a eq) = 19.15334796906 ppt; Dichloromethane mole fraction $(CH_2Cl_2) = 7.53069833421$ ppt; Nitrous-oxide mole fraction $(N_2O) =$ 273.06793051826 ppb; CFC-12-equivalent mole fraction (CFC-12 eq) = 16.59902823236 ppt; HCFC-22 mole fraction (CHClF₂) = 0 ppt | Solar-irradiance emissions: (units shown inline); Geomagnetic Ap index (Ap) = 8.17618942261 nT; Geomagnetic Kp index (Kp) = 1.6172542572; Total-solar-irradiance (TSI) = 1361.06640625 W m^-2; Sunspot number (SSN) = 77.09456634521; Solar-cycle phase (SCPH) = 0.99814385176 radian/pi; 10.7 cm radio flux (F10.7) = 120.4750213623110-22 W m^-2 Hz^-1; Spectral-solar-irradiance (SSI) = 0.21465123841 W m^-2 nm^-1 | Tropospheric + stratospheric ozone emissions: (all values in mole mole-1 -); Ozone volume-mixing ratio (vmro3) = 0.0000015132 mole mole-1 predict the near surface air temperature (2 meters above the ground), based on the provided values.

The answer must be in the following format: The near surface air temperature (2 meters above the ground) is Kelvin, based on the inputted forcing data

The near surface air temperature (2 meters above the ground) is 284.47 Kelvin, based on the inputted forcing data

Prompt + Correct

You are a helpfull assistant, which follows the users instructions.

DATE=1850-01. The task is to infer the near-surface air temperature (tas, 2 meters above the ground) from simulated climate-model forcing inputs. Use only the physical relationships you know between these forcings and temperature — do not rely on any memory of observed historical temperatures. All values shown are global means, and the simulation keeps land-use fixed at its 1850 state. The forcing conditions are : (January 1850 | 1850-01) | Volcanic stratospheric-aerosol emissions: (units shown inline); Over-pressure at injection level = 105.30693968686 hPa; Optical depth of large particles = 0.51687127819 μm²/cm-³; Stratospheric aerosol optical depth (SAD) = 1.72191657694 µm²/cm-³; Aerosol volume density = 0.04143545265 µm³/cm-³; Effective particle radius = 0.08200751013 microns, SAD weighted; H₂SO₄ column mass burden = 209960042.19642901421 molecules/cm⁻³ | Anthropogenic aerosol emissions: (all values in kg m⁻² s⁻¹ - kilograms per square metre per second); Organic-carbon aircraft emissions (OC) = 0 kg m-2 s⁻¹; Ammonia aircraft emissions (NH₃) = 0 kg m⁻² s⁻¹; Black-carbon aircraft emissions (BC) = 0 kg m⁻² s⁻¹; Nitrogen-oxides aircraft emissions (NO_x) = 0 kg m⁻² s⁻¹; Non-methane VOC aircraft emissions (NMVOC) = 0 kg m⁻² s⁻¹; Sulphurdioxide aircraft emissions (SO_2) = 0 kg m⁻² s⁻¹ | Well-mixed greenhouse-gas emissions: (units: ppb - parts per billion; ppm - parts per million; ppt parts per trillion); CFC-11-equivalent mole fraction (CFC-11 eq) = 32.21624817318 ppt; Chloropentafluoroethane mole fraction (CFC-115) = 0 ppt; HCFC-141b mole fraction (CH₃CCl₂F) = 0 ppt; HFC-227ea mole fraction (CF₃CHFCF₃) = 0.00000463715 ppt; HCFC-142b mole fraction (CH₃CClF₂) = 0 ppt;

Hexafluoroethane mole fraction $(C_2F_6) = 0$ ppt; Tetradecafluorohexane mole fraction (C_6F_{14}) = 0 ppt; Methyl bromide mole fraction (CH_3Br) = 5.24787335528 ppt; Dichlorodifluoromethane mole fraction (CFC-12) = 0 ppt; HFC-4310mee mole fraction $(CF_3CHFCHFCF_2CF_3) = 0$ ppt; Tetrafluoromethane mole fraction $(CF_4) =$ 34.05000138813 ppt; HFC-143a mole fraction (CF₃CH₃) = 0 ppt; HFC-23 mole fraction (CHF₃) = 0 ppt; Sulphuryl fluoride mole fraction (SO_2F_2) = 0.00002627166 ppt; Halon-1301 mole fraction (CBrF₃) = 0 ppt; 1,1,1-Trichloroethane mole fraction (CH₃CCl₃) = 0 ppt; Chloroform mole fraction (CHCl₃) = 6.15378825797 ppt; Dodecafluoropentane mole fraction (C₅F₁₂) = 0 ppt; Methane mole fraction (CH₄) = 812.6337846544 ppb; Sulphur-hexafluoride mole fraction (SF₆) = 0 ppt; Halon-2402 mole fraction (CBrF₂-CBrF₂) = 0 ppt; Hexadecafluoroheptane mole fraction $(C_7F_{16}) = 0$ ppt; HFC-245fa mole fraction $(CHF_2CH_2CF_3) = 0$ ppt; Halon-1211 mole fraction $(CBrClF_2) = 0.00445036447$ ppt; Nitrogen trifluoride mole fraction (NF₃) = 0 ppt; Methyl chloride mole fraction $(CH_3Cl) = 456.61794221666$ ppt; Decafluorobutane mole fraction $(C_4F_{10}) = 0$ ppt; HFC-125 mole fraction (CHF₂CF₃) = 0 ppt; Trichlorofluoromethane mole fraction (CFC-11) = 0 ppt; Octadecafluorooctane mole fraction $(C_8F_{18}) = 0$ ppt; HFC-32 mole fraction $(CH_2F_2) = 0.00026434646$ ppt; Trichlorotrifluoroethane mole fraction (CFC-113) = 0 ppt; Perfluoro-2-butene mole fraction (C₄F₈) = 0 ppt; Octafluoropropane mole fraction (C₃F₈) = 0 ppt; HFC-236fa mole fraction $(CF_3CH_2CF_3) = 0$ ppt; HFC-152a mole fraction $(CHF_2CH_3) = 0$ ppt; Carbon tetrachloride mole fraction (CCl₄) = 0.02956195459 ppt; HFC-365mfc mole fraction (CH₃CF₂CH₂CF₃) = 0 ppt; HFC-134a mole fraction (CF₃CH₂F) = 0 ppt; Carbon-dioxide mole fraction $(CO_2) = 285.22121149699$ ppm; Dichlorotetrafluoroethane mole fraction (CFC-114) = 0 ppt; HFC-134a-equivalent mole fraction (HFC-134a eq) = 19.15334796906 ppt; Dichloromethane mole fraction $(CH_2Cl_2) = 7.53069833421$ ppt; Nitrous-oxide mole fraction $(N_2O) =$ 273.06793051826 ppb; CFC-12-equivalent mole fraction (CFC-12 eq) = 16.59902823236 ppt; HCFC-22 mole fraction (CHClF₂) = 0 ppt | Solar-irradiance emissions: (units shown inline); Geomagnetic Ap index (Ap) = 8.17618942261 nT; Geomagnetic Kp index (Kp) = 1.6172542572; Total-solar-irradiance (TSI) = 1361.06640625 W m^-2; Sunspot number (SSN) = 77.09456634521; Solar-cycle phase (SCPH) = 0.99814385176 radian/pi; 10.7 cm radio flux (F10.7) = 120.4750213623110-22 W m^-2 Hz^-1; Spectral-solar-irradiance (SSI) = 0.21465123841 W m^-2 nm^-1 | Tropospheric + stratospheric ozone emissions: (all values in mole mole-1 -); Ozone volume-mixing ratio (vmro3) = 0.0000015132 mole mole-1 | What is the near-surface air temperature (tas, 2 meters above the ground) in Kelvin? The answer must be in the following format: The near-surface air temperature

The answer must be in the following format: The near-surface air temperature (tas, 2 meters above the ground) of the simulated model is Kelvin, based on the inputted simulated forcing data.

The near-surface air temperature of the simulated model is 284.47 Kelvin, based on the inputted simulated forcing data.