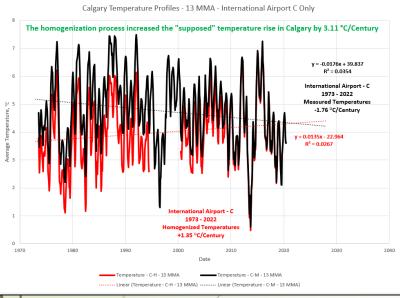
Calgary Temperatures – Revisited – Calgary 'C' (Measured versus Homogenized)



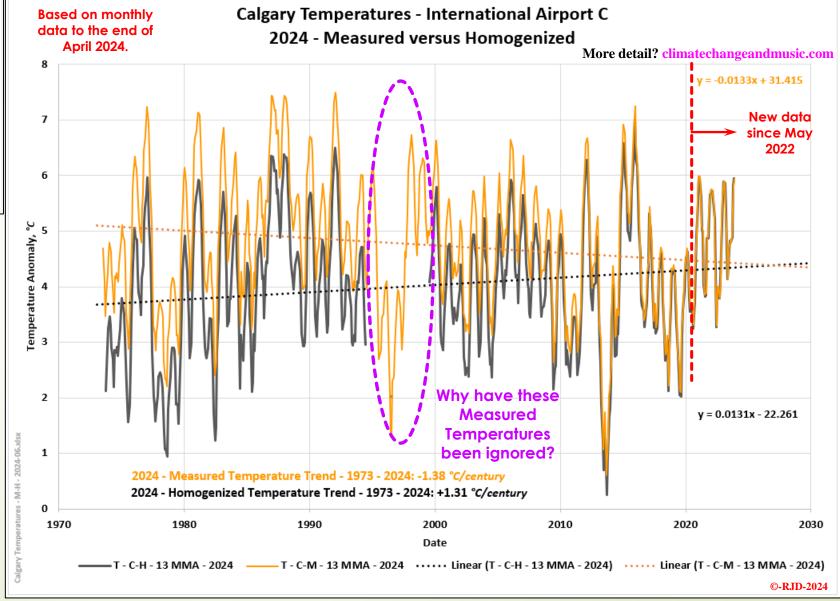
original look at Calgary's homogenization levels.

Measured temperatures (since 1973) were declining at 1.76 °C/century, Homogenized temperatures were rising at 1.35 °C/century. Calgary's temperatures had been adjusted by +3.11 °C/century. With the updated temperature data, the Measured temperatures (since

Calgary Airport 'C' M - H 1973) have declined at 1.38
°C/century, while Homogenized
temperatures have increased at
1.31 °C/century. The total
adjustments have dropped slightly

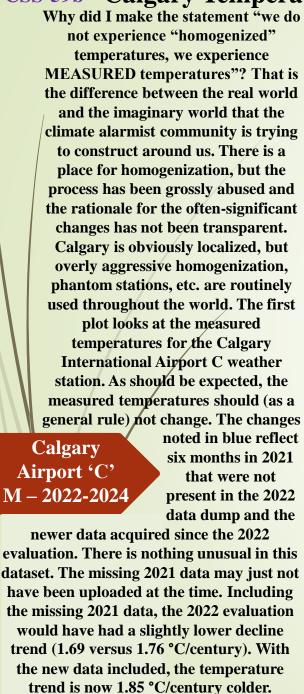
(13.5%) to 2.69 °C/century. What caught my eye was the measured temperatures (highlighted in purple on the map to the right). Why have measured temperatures been ignored? They can be ignored in the homogenized numbers (with an appropriate, easily accessible reason), but they should not be removed. As an exercise I investigated further but before I move on, I would like to remind everyone that we do not experience "homogenized" temperatures, we experience MEASURED temperatures!

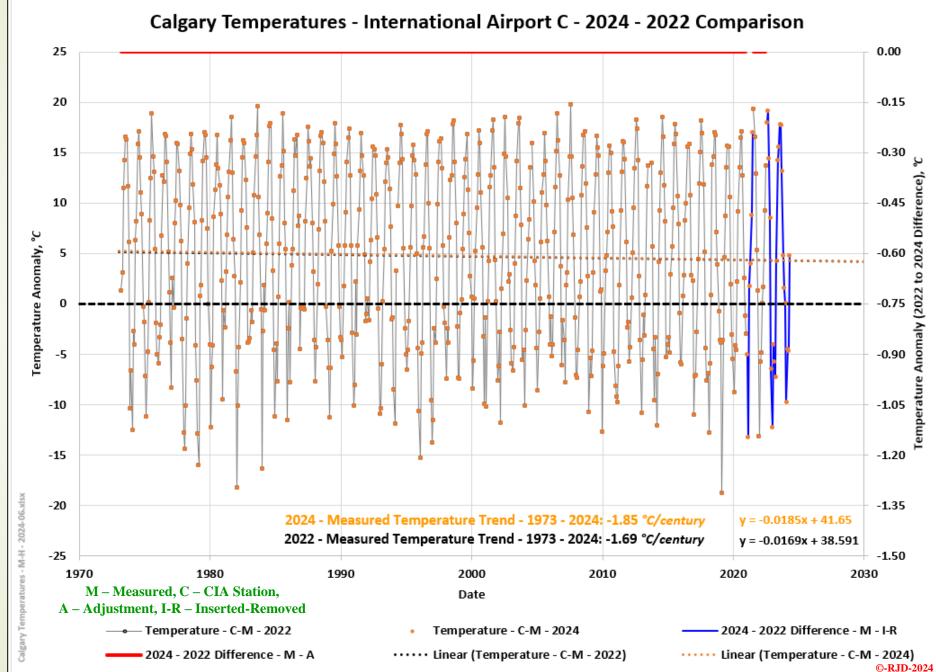
A little while back I was going to produce a personal Temperature Stripe Chart to "celebrate" Show Your Stripes Day. That quickly became a project for another day. On top of all the "homogenization" I laid out in my CSS-19 - Calgary - Homogenization post (May 9th, 2022), someone at NASA/GISS (with a new algorithm) decided another 'adjustment' was required. Was that adjustment limited to Calgary? Somehow, I seriously doubt that. The chart to the left was my



CSS-59b Calgary Temperatures – Revisited – Calgary 'C' (Measured 2022 to 2024)

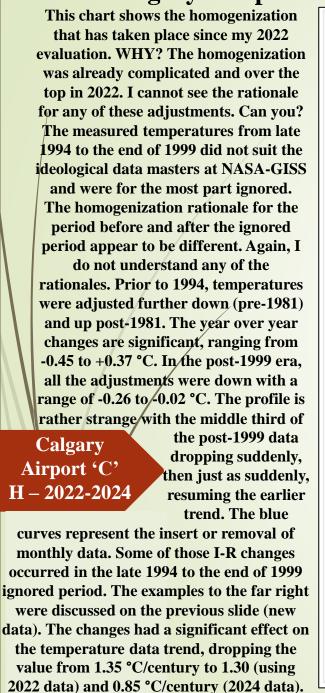
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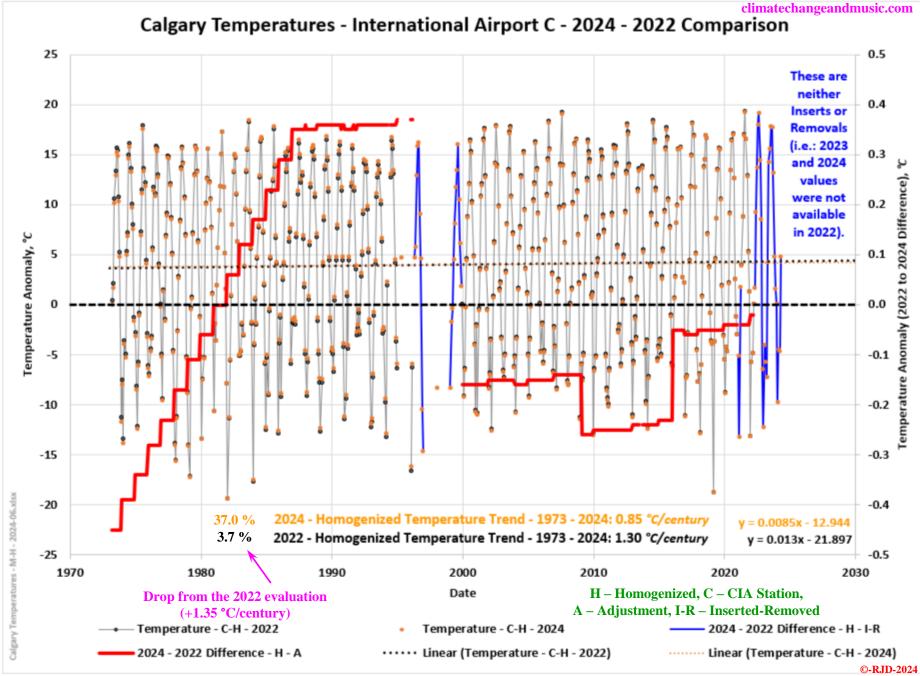




CSS-59c Calgary Temperatures – Revisited – Calgary 'C' (Homogenized – 2022 to 2024)

More detail?





Calgary Temperatures – Revisited – Calgary 'A' (Measured versus Homogenized) More detail? There is a much longer running weather climatechangeandmusic.com station at the Calgary International Calgary Temperatures - International Airport A Airport (CIA). CIA-A was established in 2024 - Measured versus Homogenized 1884 and operated continuously until 2012. There are a few scattered data points pre-8.00 1884, but they are inconsequential. In the 2022 evaluation (CSS-19) the Measured temperature trend showed an incline of 7.00 +0.86 °C/century. With the new data and some surprising modifications (some major ones, some minor ones), that trend 6.00 has been reduced slightly (3.5%) to +0.83°C/century. My question here would be 5.00 why are there any modifications (major or minor) to the Measured temperature data? The Homogenized temperature trend in

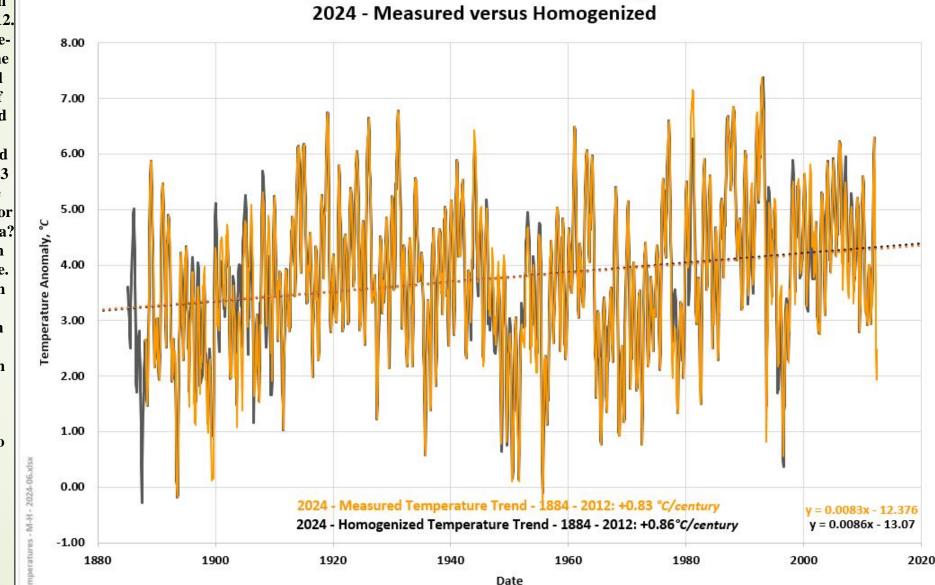
- A-H - 13 MMA - 2024

2022 showed a +1.22 °C/century increase. There is a significant difference between the 2022 and 2024 Homogenized temperature trend, That trend has been reduced to +0.86 °C/century (a 29.5% decrease). The detailed changes for both cases are shown in Calgary the next two slides. Airport 'A' Was NASA/GISS M - H adjusting the data so

and homogenized data were more compatible? Have they realized that their homogenization algorithms are overly aggressive and have detached from reality? The answer to both questions is very likely NO, given that the adjustments to CIA-C

that the measured

have not followed suit. Again, adjustments can be made, but those adjustments should be acknowledged and readily accessible.



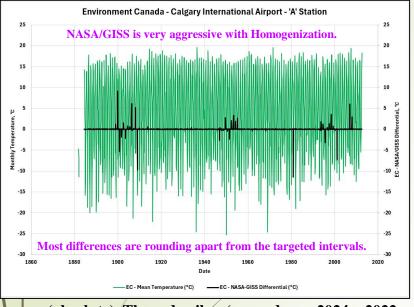
-Temperature - A-M - 2024 Linear (T - A-H - 13 MMA - 2024) Linear (Temperature - A-M - 2024)

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Calgary Temperatures – Revisited – Calgary 'A' (Measured – 2022 to 2024)

The CIA-A Measured temperatures for 2022 and 2024 are laid out in this slide. Any change in this data is surprising. The station was in operation from 1884 to 2012. You would think that this data set would be complete. Apparently not. The major changes (2024 – 2022 Difference – M – A-L (Large)) are shown in blue and plotted based on the left scale. These adjustments correspond to any month that had an adjustment greater than 0.75 °C

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(absolute). The red spikes (up or down, 2024 – 2022
Difference – M – A-S (Small)) correspond to the minor adjustments. Any adjustment less than 0.75 °C (absolute). The adjustments appear to be targeted in three periods (1895 to 1908, 1943 to 1954, and 1990 to 2007). All three periods appear to be associated with dips in the maximum temperatures.

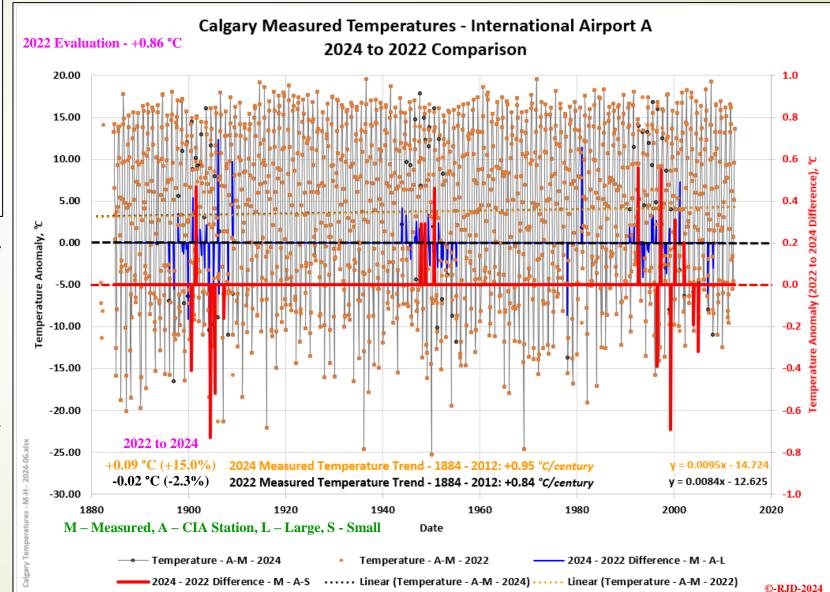
Just an observation. None of the

major adjustments occur in

Airport 'A' M – 2022-2024

M – 2022-2024 consecutive months. and the adjustments were both up and down. That may suggest some randomness, but the rationale is not obvious or provided. So, who is policing these

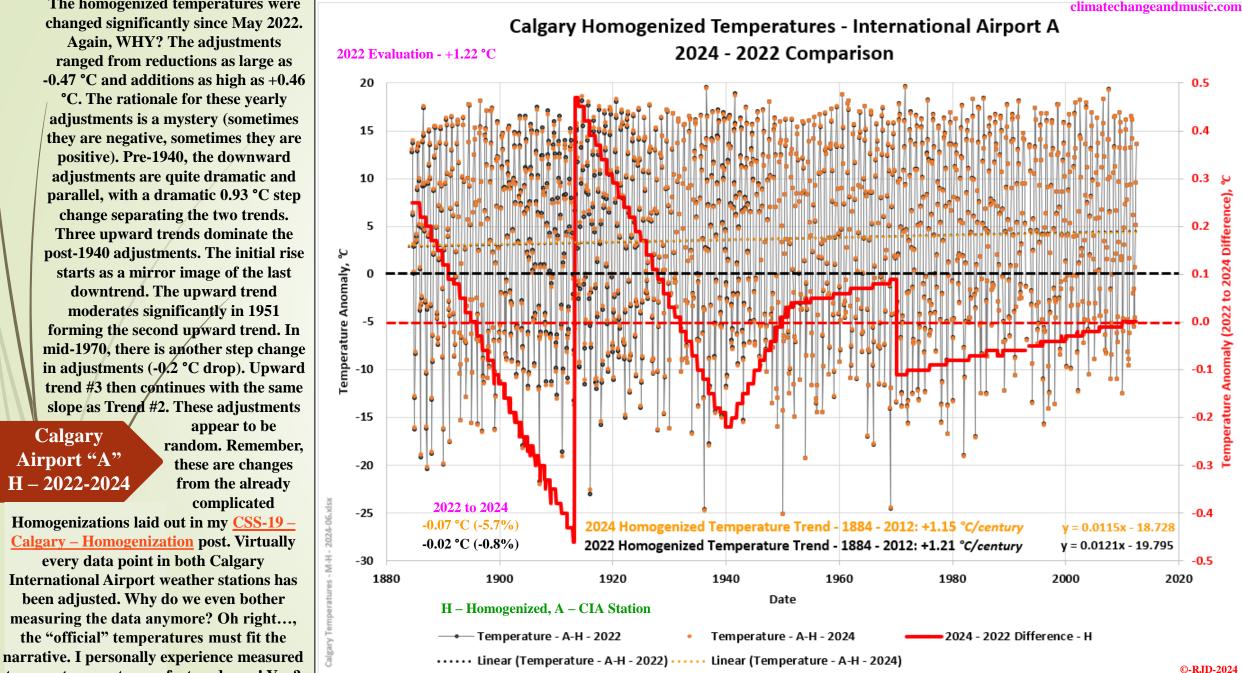
obvious or provided. So, who is policing these homogenization wizards? I suspect Environment Canada is responsible for Canada's Temperature Record. That does not give me much hope given Environment Canada's ideological position on "Climate Change". Having said that, Environment Canada does seem to be using the NASA/GISS data (without most of the more recent NASA/GISS adjustments (measured and/or homogenized (?)).



temperatures not manufactured ones! You?

CSS-59f Calgary Temperatures – Revisited – Calgary 'A' (Homogenized – 2022 to 2024) The homogenized temperatures were

More detail?



Calgary Temperatures – Revisited – Calgary 'C' (Historical Summary)

Homogenization Adjustments - Monthly

-0.56 °C

2021 homogenization adjustments

-0.025 °C every year

-0.002 °C every mont

heir aggressiveness for the 1973 to 1986 data.

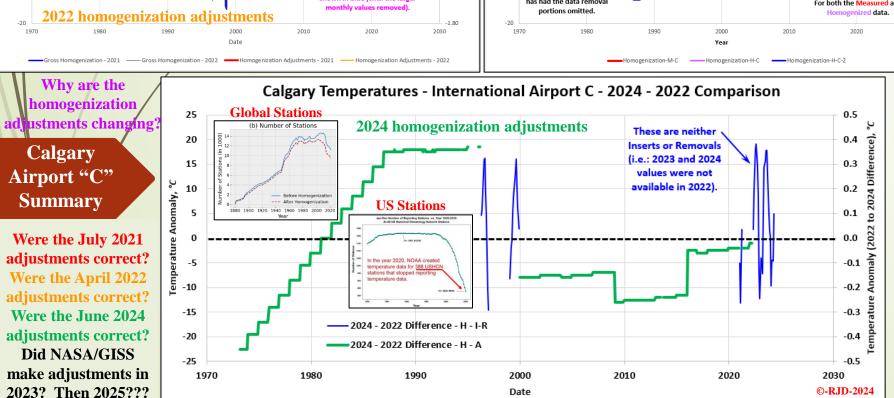
These larger spikes are months where

the measured data has been completely ignored and is not being being reported

the further back in time we go?

-1.18 °C

Calgary Homogenized Temperature Adjustments (Airport C) From July 2021 to April 2022 since July 2021 spikes were reported in 2021. But remove from the 2022 Homogenized data 0.375 0.250 -0.125 The 2020 (Jan to Jun) temperatures The Blue and Light Purpl were not reported in 2021. The cirves are from the same 2021 (Jan to Mar) temperatures data set. The Blue curve were removed in 2022. has had the data removal portions omitted. omogenized data.



-0.30

-0.90

This slide compares the "homogenization" adjustment curves from 2021, 2022, and 2024. Is there any possible explanation for all these adjustments? Were the years before 2021 routinely adjusted? Were there adjustments in 2023? Will there be adjustments in 2025 and beyond. Why are there any significant adjustments at all? In the real world, we experience Measured temperatures, not the many variations of Homogenized temperatures that NASA/GISS appears to routinely make up. Calgary is a modern city which should have modern equipment in their weather stations. If that equipment cannot be counted on to measure the temperature correctly,

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that equipment should have been or should be replaced. The chart to the far left has the 2021 and 2022 homogenization curves plotted together. The chart (top right) just shows the difference between the 2021 and 2022 data. The top two plots were pulled from my 2022 CSS-19 - Calgary - Homogenization post. The bottom chart shows the "homogenization" adjustment curve originally presented in the earlier CSS-59c slide. The 2024 curve looks nothing like either the 2022 or 2021 curves. NASA/GISS is just making up temperatures in Calgary. Their actions are unscientific, ideological, and frankly pathetic. Calgary is localized but homogenization is not limited to Calgary. Combined with the phantom stations (1/3 of the global total), the "official" temperatures are almost totally fabricated.