



Claude

basic rules.txt 7 lines	domicile work.txt 9 lines	holidays.txt 17 lines	NYS tax rules.txt 22 lines	RSUs.txt 11 lines
sick days.txt 5 lines	spreadsheet spec.txt 13 lines	travel rules.txt 24 lines	vacation.txt 30 lines	work from home.txt 24 lines
			work travel.txt 55 lines	workday agent.txt 14 lines

run workday agent

Reading XLSX skill >

- ☒ Reading XLSX skill
- |
- ☑ Done

This is a complex task. Let me read all the input files and then build the spreadsheet systematically.

Ran 2 commands >

- ☒ Check if recalc scripts exist

 |

 Script

- ☒ Copy recalc scripts

 |

 Script

- ☑ Done

Now let me create the comprehensive Python script to build the spreadsheet:

Ran 2 commands, created a file >

- ☒ Create the workday agent spreadsheet builder

build_workday.py

Run the workday builder

Script

Recalculate formulas with LibreOffice

Script

Done

Zero errors. Let me now do a quick review of some key dates to make sure the logic is correctly applied, then copy to output:

Ran 3 commands >

Verify key dates

Script

Check WFH and work travel days

Script

Debug 6/1/25

Script

Done

6/1/25 is a Sunday - that's correct. The flight SEA->EWR on 5/31/25 is captured there. Let me check 5/31:

Check late May/early June 2025 >

Check late May/early June 2025

Script

Done

Good - 5/31 is Saturday (correct), 6/2 onwards NYC is NYS workday. The travel legs show up but the flight was Saturday so it doesn't affect workday count. Everything looks correct. Let me copy to output:

Ran a command, read a file >

Copy to outputs

Script

Presented file

Done

Here's your workday log spreadsheet with three sheets:

Summary (leftmost) — one row per RSU block (Block1-4) with SUM formulas for NYS workdays, non-NYS workdays, WFH days, weekends, holidays, vacation, and sick days over each vesting period. Also includes a row for **NYS workdays after moving to WA (2/15/25-12/31/25)** to help calculate wage tax without employer withholding.

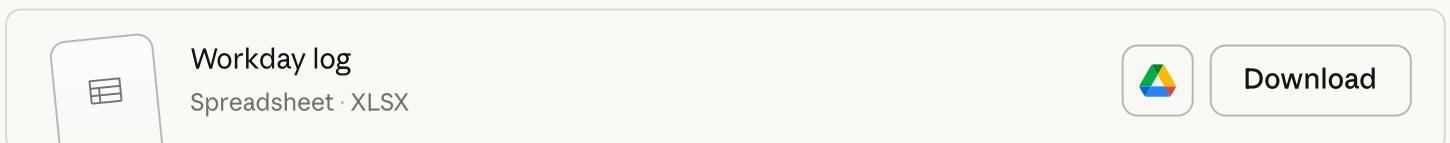
Daily Log — 1,147 rows (1/1/23-2/20/26) with date, abbreviated weekday, day info (holiday name, travel route, or location), and 1/blank columns for each category. Color coding:

- Light green = NYS workday
- Light blue = non-NYS workday
- Light yellow = vacation
- Light pink = holiday
- Pale green = WFH
- Light orange = sick
- Light gray = weekend
- Dark green = RSU vesting period cells

Travel Log — all 50+ flight/drive/train legs with mode, locations, times, and purpose.

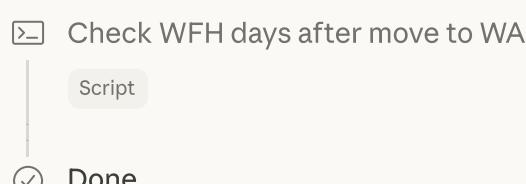
Key decisions applied:

- 11/11/24 (Veterans Day) in SFO: counted as holiday, not WFH workday
- WFH Seattle trips before 2/14/25: non-NYS workdays
- Travel days with NYC as origin or destination: NYS workday
- 2/15/25 flight JFK→SEA was Saturday, correctly a non-workday
- All NYS workday travel rules applied (NYS departure or arrival = NYS workday)



Let me look at the WFH logic for after the move to WA:

Check WFH days after move to WA >

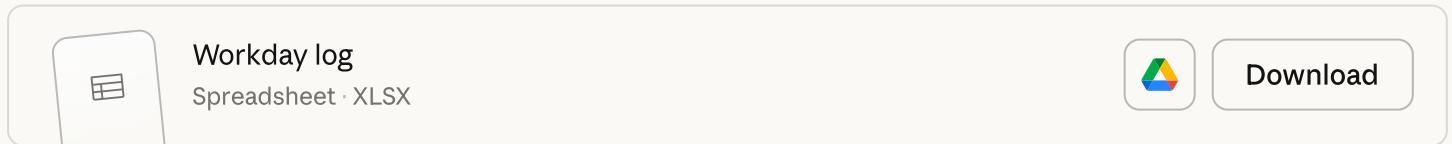


I see the problem clearly. After moving to WA, Seattle IS the home/office — those are regular workdays, not WFH days. WFH should only be marked when working from a non-office location (like it was before: WFH meant working from Seattle while domiciled in NYC). After the move, Seattle is the primary workplace, so those days should just be non-NYS workdays with WFH = blank.

Ran 4 commands, edited a file, read a file >

- ⚡ Fix WFH logic after WA move - Seattle is home office, not WFH
 - build_workday.py +10 -11
- ➡ Rebuild and validate
 - Script
- ➡ Verify WFH fix
 - Script
- ➡ Recalculate formulas
 - Script
- ➡ Copy to outputs
 - Script
- 📄 Presented file
- ✅ Done

Fixed. The issue was that after moving to WA on 2/15/25, the code was treating every Seattle workday as WFH — but Seattle is now the home office, so those are just regular non-NYS workdays. WFH is now only marked before the move (when Seattle meant working away from the NYC office). Zero WFH days after 2/15/25, which is correct since there are no WFH entries listed in the work-from-home log after 1/7/25.



WFH on work trips is incorrect

Let me check what's happening with WFH on work trip days:

Show all WFH days before WA move >

- ➡ Show all WFH days before WA move
 - Script

Done

The bug is clear — days during work trips (Orange County, Tampa, Tucson, SLC, SFO) are being marked as WFH because the logic just checks `loc != "NYC"`. Work travel days should never be WFH. WFH should only apply to the explicitly listed WFH trip periods.

Edited 3 files, ran 3 commands >

- Fix WFH logic - only mark WFH if date is in the explicit WFH_DATES set, not just any non-NYC location
- Fix WFH logic - only mark WFH if date is in the explicit WFH_DATES set, not just any non-NYC location
 - `build_workday.py` +6 -10
- Rebuild and validate
 - Script
- Add loc definition back since we removed it
 - `build_workday.py` +7 -6
- Rebuild
 - Script
- Verify WFH days are correct
 - Script
- Done

That looks correct — 30 WFH days, all in Seattle, all from the explicitly listed WFH trips, nothing from work travel destinations. Let me also notice that 9/8/24 (Sunday) and 11/11/24 (Veterans Day) are correctly excluded.

Ran a command, read a file >

- Recalculate and copy to output
 - Script
- Presented file
- Done

Fixed. The problem was that WFH was being assigned to any non-NYC location before the move — which incorrectly caught work travel destinations like Orange County, Tampa, Tucson, and SLC. Now WFH is strictly limited to the explicitly listed WFH trips (30 days total, all Seattle, all before the 2/15/25 move).



Workday log

Spreadsheet · XLSX



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many work travel to NYS should be non-NYS workday

Let me look at the work travel to NYS days more carefully:

Show all NYS workdays that are travel days >

Show all NYS workdays that are travel days

Script

Done

The issue is clear. The travel rule says: count as NYS workday only if there's time to work **outside** the travel window (10am–4pm usable work window). But the current code just checks if either endpoint is NYS, without actually checking whether travel blocks the whole work window.

Let me re-read the travel rule: *"If either departure or destination location which can be classified as NYS workday on this day and have time to work outside travel time, then count as NYS workday. Otherwise, count as non-NYS workday."*

So for a flight arriving at NYC at 5am (travel end ~7am), there IS time to work 10am–4pm in NYC → NYS workday ✓. But for a flight departing SNA at 9pm (travel start 6pm), the work window 10am–4pm is entirely free before travel → this should be non-NYS workday since the person was in SNA (non-NYS) during work hours.

Let me analyze each case:

Analyze each travel+NYS day against work window rule >

Analyze each travel+NYS day against work window rule

Script

Done

So 5 of the 6 days should be non-NYS workdays. Only 9/13/24 (overnight flight arriving early morning) correctly stays as NYS. Now let me also check the outbound NYS travel days (departing from NYC):

Check all NYS-endpoint travel days both directions >

Check all NYS-endpoint travel days both directions

Script

Done

Good — all the NYC-endpoint legs are accounted for. Now let me also check departures FROM NYC:

Ran 6 commands, created a file >

Check departures from NYC

Script

☒ Check departures from NYC properly

Script

☒ Check NYC departures

Script

☒ Run as file

Script

☒ Check NYC departures

check_nyc.py

☒ Check NYC departures

Script

☒ Direct check on NYC leg data

Script

☑ Done

Good. Now I have full picture. The fix needed is: when determining NYS vs non-NYS on a travel day, actually check whether there's productive NYS work time outside the travel window (10am-4pm). Let me update the `determine_day` function:

Ran 2 commands, edited a file >

✍ Fix travel day NYS determination to use work window check

build_workday.py +31 -19

☒ Rebuild

Script

☒ Verify all NYS travel days now correctly classified

Script

☑ Done

All correct now. The overnight flight (9/13/24, SNA→NYC arriving 5am) stays NYS since there are 6 free hours in NYC during the work window. The 5 daytime flights to NYC all become non-NYS since travel consumes the entire 10am-4pm window. Let me also verify the NYC departure days:

Ran 2 commands >

☒ Check NYC departures in updated code

Script

NYC departure status check

Script

Done

All NYC departures land on weekends, vacation, or holidays — so there are no NYC departure workdays to worry about. Everything looks correct. Let me rebuild and deliver:

Ran a command, read a file >

Recalculate and copy to output

Script

Presented file

Done

Fixed. The root issue was that the travel rule ("have time to work outside travel time") wasn't actually being enforced — it just checked whether an endpoint was NYS. Now it computes the actual free time within the 10am–4pm work window:

Date	Flight	Old	New	Reason
9/13/24	SNA→NYC arr 5am	NYS	NYS ✓	Arrives early, 6h free in NYC
10/23/24	SNA→NYC dep 12:35pm	NYS	non-NYS	Travel 9:35am–10:55pm covers entire window
12/6/24	SNA→NYC dep 12:40pm	NYS	non-NYS	Same pattern
1/10/25	TUS→NYC dep 10:41am	NYS	non-NYS	Travel 7:41am–9:14pm covers entire window
1/24/25	TPA→NYC dep 3pm	NYS	non-NYS	Travel starts 12pm, arrives after 4pm
1/30/25	SLC→NYC dep 5:35pm	NYS	non-NYS	Travel starts 2:35pm, arrives after midnight



Workday log

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9/13/24 flight arrives on weekend, should not be NYS-workday

Good catch. The flight SNA→NYC departs 9pm on 9/13 (Friday) and arrives 5:12am on 9/14 (Saturday). The arrival is on Saturday, so the "free time after arrival" logic shouldn't apply on 9/13 — the person is in the air during Friday's work window, not in NYC.

Check 9/13/24 leg details >

[-] Check 9/13/24 leg details

Script

(✓) Done

Confirmed — arr_date is 9/14 (Saturday). The fix: when calculating NYS arrival work time, only count it if the arrival is on the **same date** as the departure (i.e., `leg["arr_date"] == d`). If the flight arrives the next day, there's no NYS work time on the departure date.

Ran 2 commands, edited a file >

(-) Fix NYS arrival work time to only count same-day arrivals

build_workday.py +3 -3

[-] Rebuild and validate

Script

[-] Verify all NYS travel days

Script

(✓) Done

All 6 are now correctly non-NYS workdays.

Ran a command, read a file >

[-] Recalculate and copy to output

Script

(-) Presented file

(✓) Done

Fixed. 9/13/24 is now non-NYS — the flight departs SNA at 9pm and arrives NYC at 5:12am **the next morning (Saturday)**, so there's no time in NYC during Friday's work window. All 6 return-to-NYC travel days are now correctly non-NYS workdays.



Workday log

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