Does the S&P 500 Close Higher After a Qualifying Day?

The 146 qualifying trading days (High Latitude College A-index 11–20 and calm Schumann resonance), 12 December 2023 – 20 October 2026, with the 3 trading days before and after each.

All times New York. Prepared 9 November 2026.

- NOAA Geomagnetic Activity Master Reference Database https://www.ngdc.noaa.gov/stp/space-weather/swpc-products/annual_reports/daily_solar_indices_summaries/daily_geomagnetic_data/
- Schumann Resonance Archive https://schumann-frequency.com/archive/

Report Prepared by *Scott Rauvers*

Summary

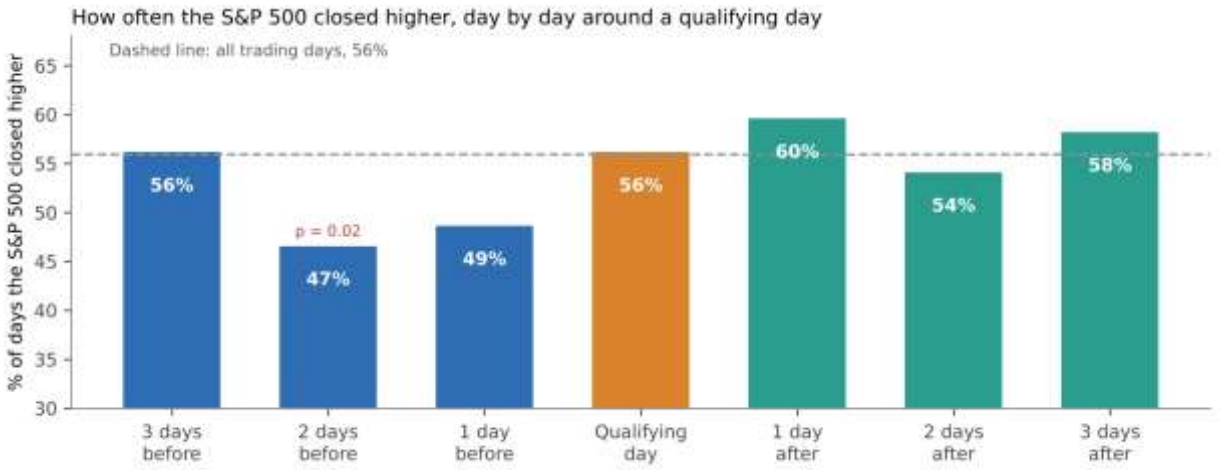
Scientific research shows that Earth's natural extremely low-frequency (ELF) electromagnetic waves—peaking fundamentally at 7.83 Hz—correlate with and subtly modulate human physiological and neurological processes. This frequency overlaps human brainwave thought patterns. Geomagnetic activity also affect health and well being. I document these in detail in my book Long Term Health Effects of Solar Flares, Sunspots, CME's & the Schumann Resonance. So if both of these periods are in a state of sync with one another they should drive human emotions. This would then in turn influence investors to invest more in the stock market. In this report I am focusing only activity of the S&P 500. Let's look at what the data shows.

Quick Report Summary

Three trading days after a qualifying day, the S&P 500 closed higher 58% of the time, against 56% on all trading days. From the qualifying day's close to the close three days later it finished higher 60% of the time (average +0.35%), against 59% (+0.22%) for any three-day stretch. These edges are small and within chance ($p = 0.55$ and 0.72).

- **Busier trading the day after:** on the first trading day after a qualifying day, the price range was wider than its 20-day average 51% of the time, against 42% normally ($p = 0.01$). Volume was above average 53% of the time against 47% (not significant). This is the strongest sign of livelier trading.
- **A weak patch before:** the S&P 500 closed higher on only 47% of days two trading days before a qualifying day ($p = 0.02$), and over the qualifying period as a whole (3 days before up to the qualifying day) it finished higher 55% of the time against 62% normally ($p = 0.05$).
- **Recovery after:** on average the index dipped about 0.12% over the qualifying period and then rose about 0.34% over the 3 days after, ending +0.22% above where the period began; any seven trading days averaged +0.52%.
- **Caution:** about 30 comparisons were made, so one or two results around $p = 0.01$–0.05 could appear by chance alone. None of these patterns is strong enough to trade on.

1. Closing higher, day by day



Share of days on which the S&P 500 closed above the previous day's close. Blue: the 3 trading days before; orange: the qualifying day; green: the 3 trading days after. p is shown where below 0.05.

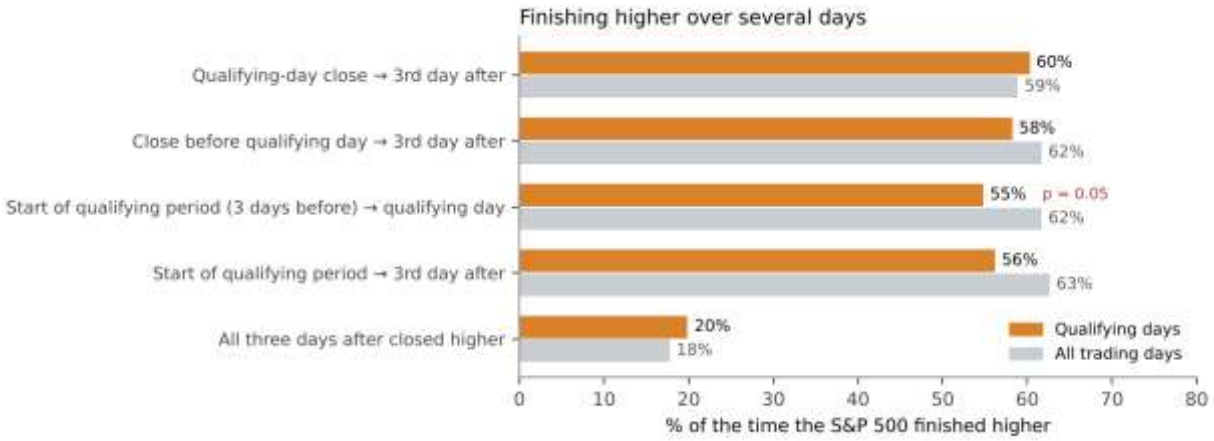
2. Signs of stronger trading



*Four measures on the qualifying day and the 3 trading days after: closed higher; **higher at 11:30 am than at the 9:30 open**; volume above its 20-day average; high-to-low price range above its 20-day average. Dashed lines: the normal rate on all trading days.*

Trading day	Closed higher	p	Up at 11:30 am	Volume above average	Range above average	p	Average daily change
3 days before	56%	0.98	53%	42%	45%	0.51	−0.02%
2 days before	47%	0.02	53%	46%	38%	0.37	−0.12%
1 day before	49%	0.05	51%	53%	39%	0.57	−0.03%
Qualifying day	**56%**	**0.98**	**52%**	**49%**	**48%**	**0.10**	**+0.05%**
1 day after	60%	0.35	53%	53%	51%	0.01	+0.17%
2 days after	54%	0.62	51%	50%	49%	0.08	+0.09%
3 days after	58%	0.55	53%	51%	45%	0.41	+0.08%
Normal (all trading days)	56%	—	53%	47%	42%	—	+0.07%

3. Finishing higher over several days



How often the S&P 500 ended a multi-day stretch higher than it began, for qualifying days (orange) and all trading days (grey).

Stretch	Qualifying days: finished higher	All days: finished higher	Qualifying days: average change	All days: average change	p
Qualifying-day close → close 3 days after	60%	59%	+0.35%	+0.22%	0.72
Close before the qualifying day → close 3 days after	58%	62%	+0.40%	+0.29%	0.38
Start of qualifying period (close before the 3 days before) → qualifying-day close	55%	62%	−0.12%	+0.29%	0.05
Start of qualifying period → close 3 days after	56%	63%	+0.22%	+0.52%	0.09
All three days after closed higher	20%	18%			0.51

4. The average path



Average S&P 500 change from the close before the qualifying period, through the qualifying day and the 3 trading days after. Shading: 95% range of the average. Dashed grey: any seven trading days.

Method

- Qualifying days: College A-index 11–20 (NOAA SWPC, College, Alaska) and the Schumann resonance outside its stormiest fifth over the 24 hours to 11:30 am New York — the same 146 days as the earlier report.
- Days before and after are trading days. "Volume/range above average" compares each day with the average of the previous 20 trading days.

- p is the share of 3,000 random shifts of the qualifying-day calendar that gave a difference from normal at least as large. Values near 1 mean the result is ordinary; below 0.05 is usually treated as notable.

Exploratory research by Scott Rauvers, not investment advice.

Sources

- NOAA SWPC Daily Geomagnetic Data: https://www.ngdc.noaa.gov/stp/space-weather/swpc-products/annual_reports/daily_solar_indices_summaries/daily_geomagnetic_data/
- Schumann Frequency Archive: https://schumann-frequency.com/archive/
- Yahoo Finance, S&P 500 (^GSPC) daily and hourly prices