GC Williams Seasonal

Fills Q&A GC-EXT-1 (Important). Cross-decade sign-consistent monotone-increasing IC (+0.03 to +0.05 to +0.06 across 3 eras). Modern algo era has NOT eroded the seasonal.

David Stendahl · Market Lab Analytics · November 7, 2026

What this signal is

Fills Q&A GC-EXT-1 (Important). Cross-decade sign-consistent monotone-increasing IC (+0.03 to +0.05 to +0.06 across 3 eras). Modern algo era has NOT eroded the seasonal. arguably strengthened as flows become more calendar-driven (ETF-flow rebalancing, Chinese Lunar New Year, Diwali).

The composite is bounded between minus one and plus one through tanh. On 1990-01-03 it reached its series maximum plus 0.583 and on 1990-06-04 its series minimum minus 0.583.

Today the composite reads near +0.32. See live page for current state.

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How the inputs compose

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The engine also computes four confirming features: five-day velocity, 60-day volatility regime, 60-day correlation with gold returns, 63-day lag-1 autocorrelation.

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What the state-conditional returns have actually done

The gold forward-60-day return baseline (unconditional) is mean plus 0.73 percent, median plus 0.04 percent.

> **Reference baseline (9,217 gold-aligned forward-60-day windows over the live engine window)**
>
> Gold forward-60-day return baseline: mean plus 0.73 percent, median plus 0.04 percent. Phase 0 source: Z11183 engine parquet joined with COMEX gold back-adjusted continuous closes.

Williams seasonal bullish (Phase +1), 2,325 trading days, returned on average plus 1.18 percent.

Normal (Phase +0), 1,584 trading days, returned on average plus 0.92 percent.

Williams seasonal bearish (Phase −1), 2,325 trading days, returned on average plus 0.20 percent.

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Three cases that frame how to read the signal

Case 1: 1990-01 composite series maximum

On 1990-01-03 the composite reached its series maximum plus 0.583. Gold subsequent 60-day behavior aligned with the williams seasonal bullish regime pattern.

Case 2: 1990-06 composite series minimum

On 1990-06-04 the composite reached its series minimum minus 0.583. Gold subsequent 60-day behavior aligned with the williams seasonal bearish regime pattern.

Case 3: March 2020 COVID shock window

The March 2020 COVID liquidity shock drove violent regime shifts across gold drivers. The composite oscillated as the underlying mechanism repriced.

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How to use the signal today

This is a regime detector on a 60-day forward horizon.

Three best uses. First, as a regime filter for gold exposure (Phase +1 equals williams seasonal bullish). Second, as a cross-check against positioning and price-momentum signals. Third, as a transition-window warning, pairing with price-based signals for conviction.

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Methodology notes

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The 1989 start reflects the earliest reliable source coverage.

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What this signal does not cover

Four caveats. The signal is a regime detector, not a timing signal. State-conditional means hold on average, not for every individual window. Regime persistence varies with macroeconomic backdrop. Individual windows can run much longer or shorter than mean sample. State-conditional edges are backward-looking empirical averages. Future regimes may differ. The baseline is COMEX gold back-adjusted continuous (GC_1240BD).

Not investment advice. Signal readings and empirical statistics are derived from publicly available data sources. (c) 2026 David Stendahl.