

Moon model practicum

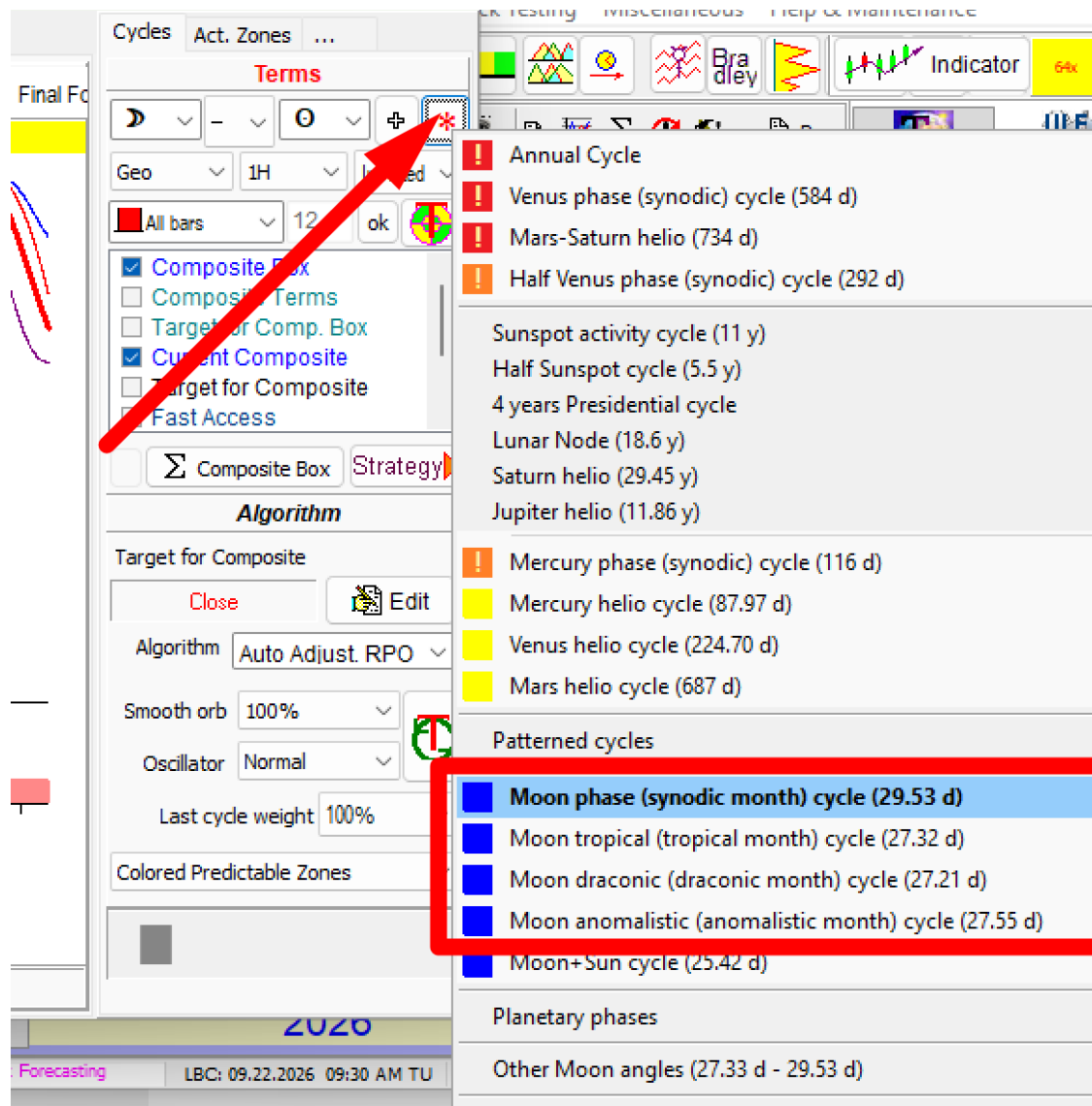
Example #1 with detailed explanation: **EurUSD**

This is the standard procedure to build the Moon based model for any financial instrument.

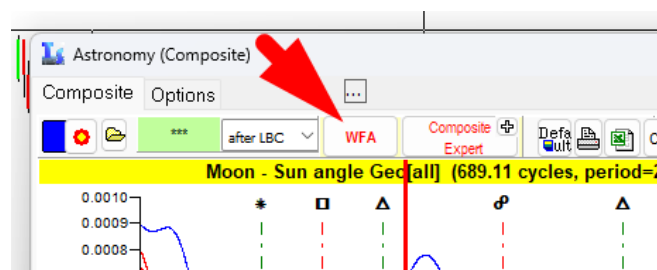
In Timing Solution software, run Composite module (“Astronomy” button). We will check four major Moon based cycles:

- 1) Moon synodic cycle = Moon phases = Moon-Sun angle separation;
- 2) Moon tropical cycle = Moon in Geo;
- 3) Moon draconic cycle = Moon-Lunar Node angle separation;
- 4) Moon anomalistic cycle = Moon – Moon apogee angle separation.

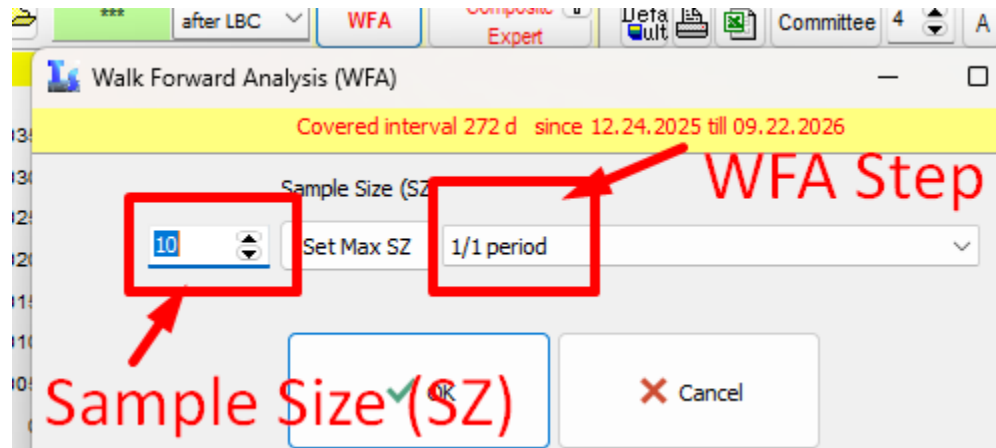
To calculate any of these cycles in Astronomy module, use this template:



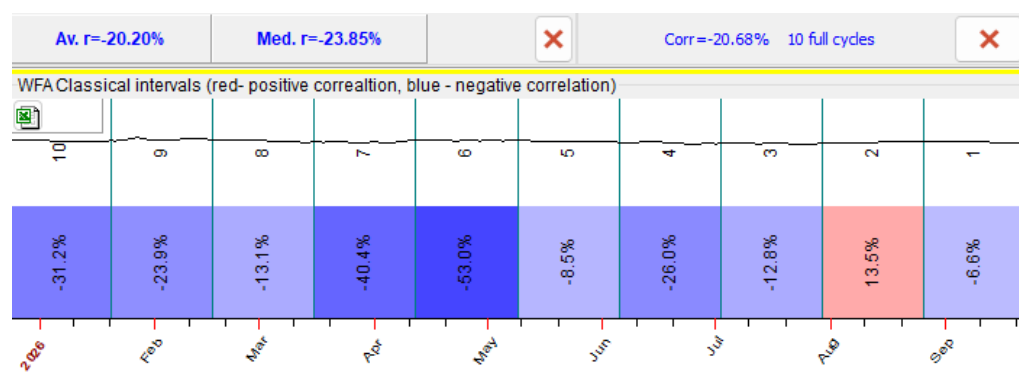
We recommend selecting all these four cycles one-by-one. Conduct Wal Forward Analysis (WFA) for all these cycles clicking this button:



Set the WFA parameters here:



First parameter is the **Sample Size (SZ)**; it is the number of cycles used to perform backtesting for the selected cycle. For example, if $SZ = 10$ for the Moon draconic cycle (period = 27.21 days), the program evaluates how this cycle behaves across ten consecutive 27.21-day intervals, totaling $10 \times 27.21 = 272.1$ days. The LBC is shifted ten times (non-future-leak technology), and the program checks how well the projection line performs 27.21 days after each LBC shift. The resulting WFA chart looks as follows:



This chart shows how the Moon draconic cycle has performed over different time intervals. For example, the bar covering late July 2026 through late August 2026 indicates that the correlation between the price and the projection line is **positive**; that means that the price has followed the projection line during that period:

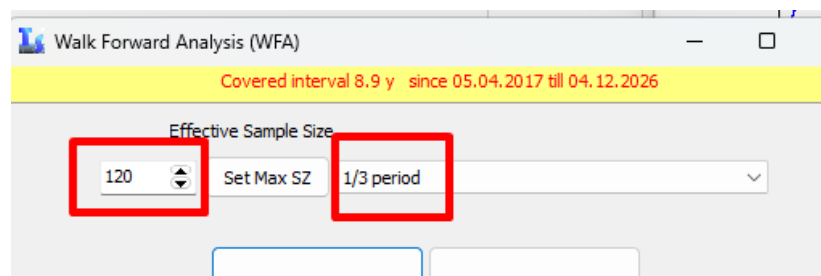


The bright blue bar covering the beginning of April through the beginning of May 2026 shows a **negative correlation**, meaning that the price has moved opposite to the projection line. This reflects an inversion period:



What WFA parameters are better for the Moon model?

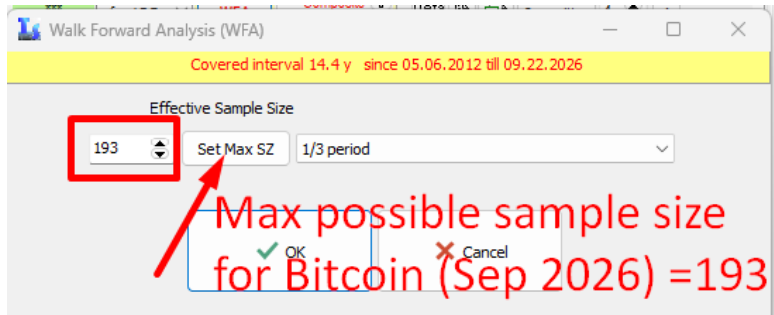
We do not have a final answer to that question. In this example these parameters were used:



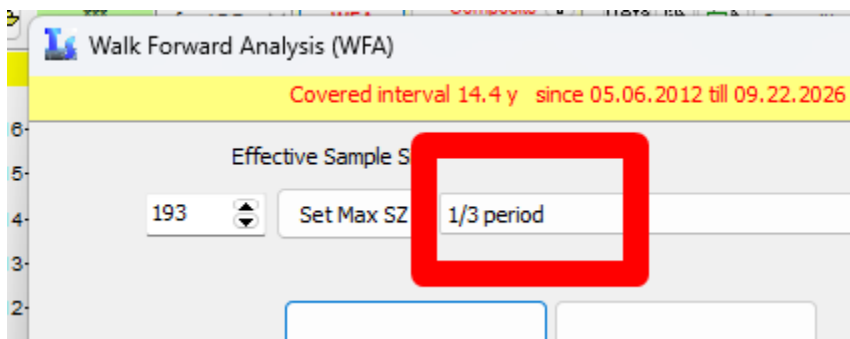
SZ = 120, which corresponds to roughly nine years of testing data; it is large enough to evaluate the statistical significance of this cycle.

There are no strict rules here, though it appears that an excessively large sample size does not work well. Testing intervals should generally not exceed more than 20-30 years of price history. Over very

long periods the Moon has behaved differently than it does now. For relatively “young” financial instruments, such as Bitcoin, you can calculate the maximum possible sample size by clicking this button:

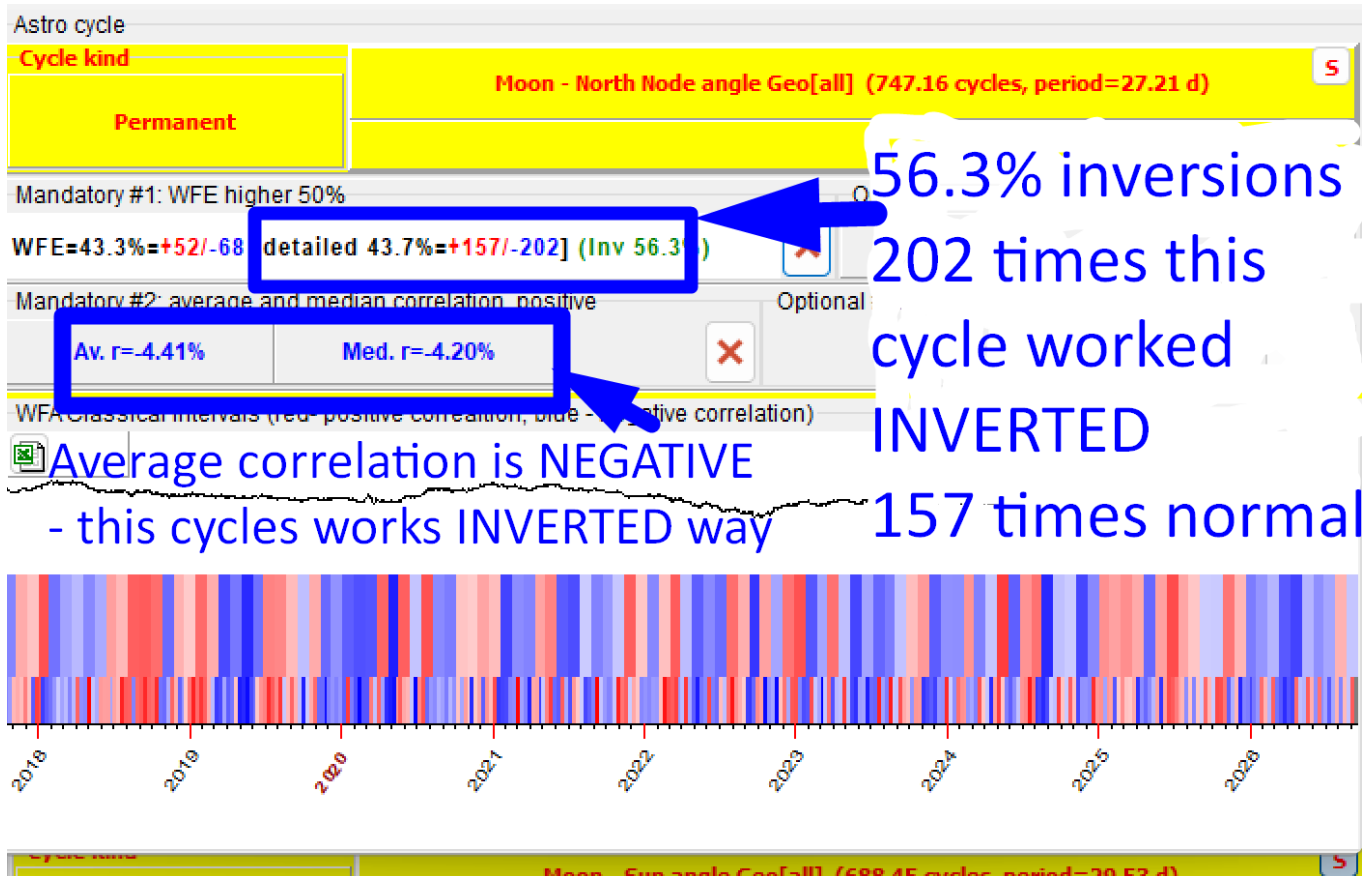


Regarding WFA step, the situation is much more certain:



Never set the step to **1 period** for Moon based models. A Moon cycle with a period of roughly four weeks creates a resonance with the weekly cycle, which is usually very strong. A step of **1/3 period** is an acceptable optional value.

Applying for EurUSD WFA for Moon draconic cycle Sample size=120, Step=1/3, we get this WFA chart:

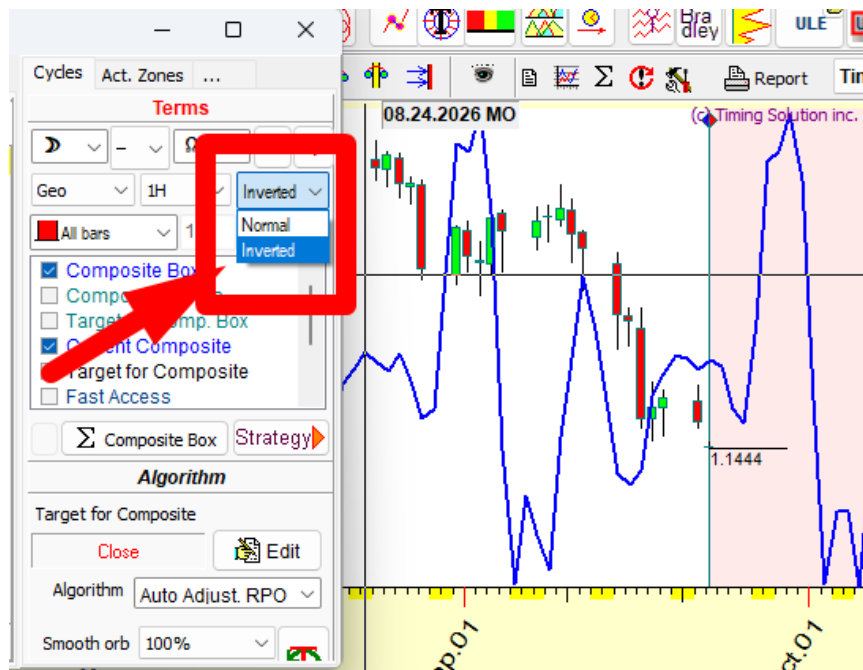


Keep an eye on the detailed information: detailed 43.7% $\pm$ +157/-202] (Inv 56.3%). It shows that the Moon draconic cycle for EurUSD works inverted way: 202 times correlation is negative versus 157 positive correlations.

This cycle works inverted way 56.3% of time, this is **WFE** value, **Walk Forward Efficiency** for inverted cycle. Average correlation is negative as well Av. r=-4.41%

Now the statistical performance of the Moon draconic cycle for EURUSD is clear: the **inverted** Moon draconic cycle forecasts about **4.5%** of price movement. This percentage is typical for Moon based models.

The final step is simply to **invert the cycle** in the Composite module; after that, the projection line is ready:



In practice, we recommend calculating the WFA chart for all four major Moon-based cycles to evaluate the statistical performance of each one. For EURUSD, the screen with these charts looks as follows:

WFA report: TS:EURUSD.FOREX@EURUSD

Astro cycle

Cycle kind

Permanent

Moon - North Node angle Geo[all] (747.16 cycles, period=27.21 d)

Mandatory #1: WFE higher 50%

WFE=43.3%**=+52/-68** [detailed 43.7%**=+157/-202**] (Inv 56.3%)

Optional #3: at least 2 from 3 RED

1 positive/2 negative

Mandatory #2: average and median correlation positive

Av. r=-4.41%Med. r=-4.20%

Optional #4: Corr. on (10.13.2017 - 09.22.2026)>0

Corr=-4.78% 119 full cycles

WFA Classical intervals (red- positive correaltion, blue - negative correlation)

Astro cycle

Cycle kind

Permanent

Moon position Geo[all] (744.16 cycles, period=27.32 d)

Mandatory #1: WFE higher 50%

WFE=55.8%**=+67/-53** [detailed 54.0%**=+194/-165**]

Optional #3: at least 2 from 3 RED

2 positive/1 negative

Mandatory #2: average and median correlation positive

Av. r=3.34%Med. r=3.92%

Optional #4: Corr. on (09.30.2017 - 09.22.2026)>0

Corr=1.99% 119 full cycles

WFA Classical intervals (red- positive correaltion, blue - negative correlation)

Astro cycle

Cycle kind

Permanent

Moon - Sun angle Geo[all] (688.45 cycles, period=29.53 d)

Mandatory #1: WFE higher 50%

WFE=52.5%**=+63/-57** [detailed 50.7%**=+182/-177**]

Optional #3: at least 2 from 3 RED

2 positive/1 negative

Mandatory #2: average and median correlation positive

Av. r=0.97%Med. r=0.41%

Optional #4: Corr. on (01.08.2017 - 09.22.2026)>0

Corr=0.24% 119 full cycles

WFA Classical intervals (red- positive correaltion, blue - negative correlation)

Astro cycle

Cycle kind

Permanent

Moon - Moon apogee angle Geo[all] (737.87 cycles, period=27.55 d)

Mandatory #1: WFE higher 50%

WFE=50.0%**=+60/-60** [detailed 50.1%**=+180/-179**]

Optional #3: at least 2 from 3 RED

1 positive/2 negative

Mandatory #2: average and median correlation positive

Av. r=-1.50%Med. r=0.00%**Risky!**

Optional #4: Corr. on (09.02.2017 - 09.22.2026)>0

Corr=0.63% 119 full cycles

WFA Classical intervals (red- positive correaltion, blue - negative correlation)

As you see, the most promising are Moon draconic INVERTED cycle and Moon tropical cycle. Moon tropical cycle works normal (non inverted way):

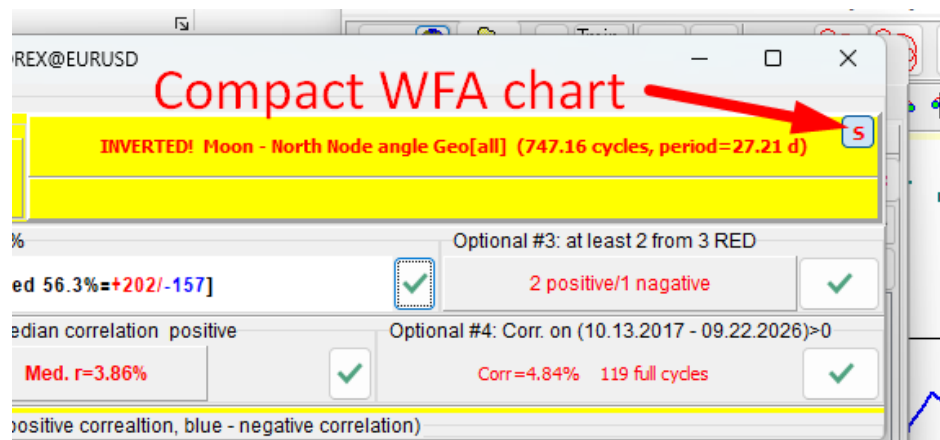


amount interval with positive correlation is 194 versus 165

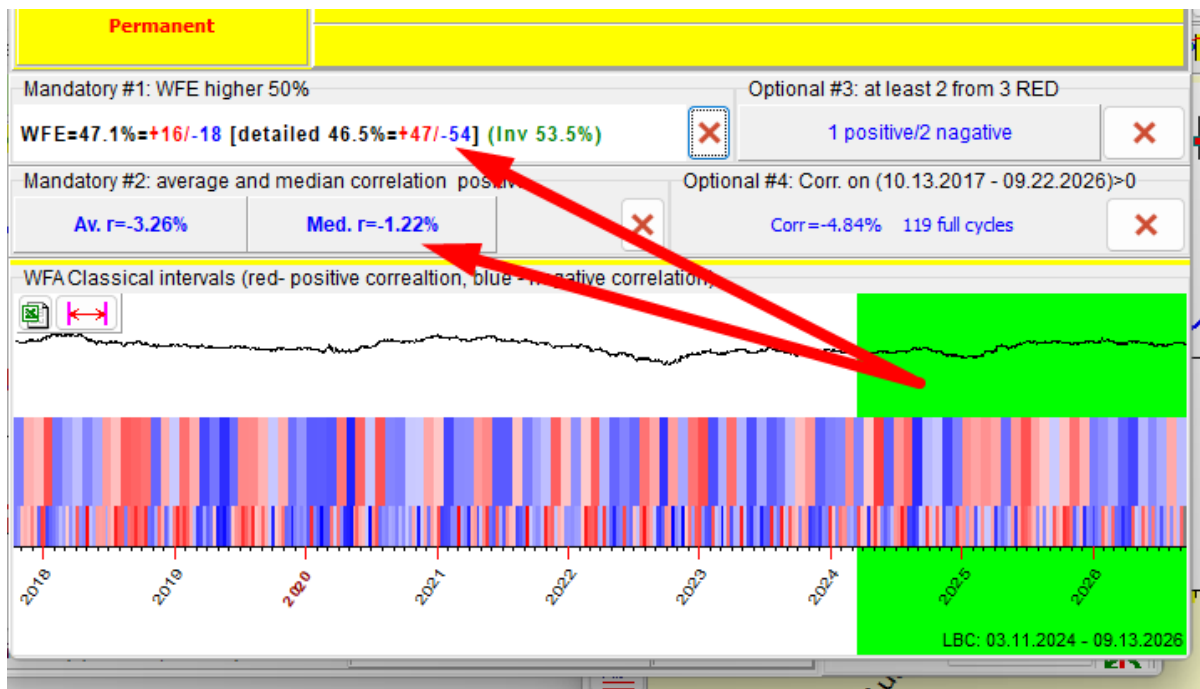
negative. Average correlation is positive as well:

Av. r=3.34%

To display the WFA chart in a compact form, click this button:



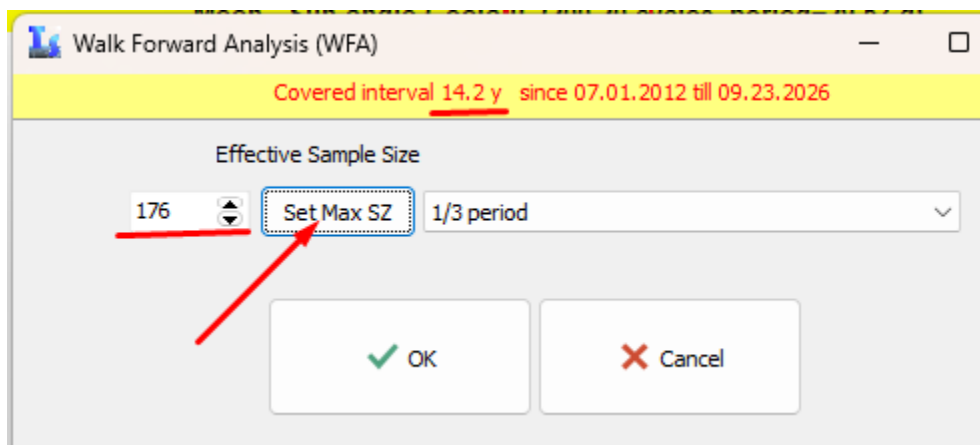
Pay attention: when you highlight a time interval in the WFA chart with the mouse (selecting a region), the program shows how this cycle performs within that selected interval:



In this example, the highlighted interval is since beginning 2024 till September 2026 (lime green region). The program shows that within this interval this cycle still works inverted way (54 negative, 47 positive; correlation WFE=53.5%), average correlation is also negative 3.26%. This way we can estimate the stability of analysed cycle, to see how this cycle worked for different historical periods.

Example #2: BitCoin

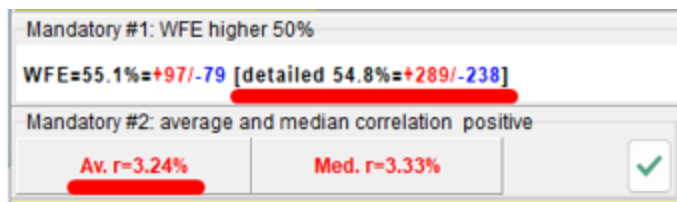
For this cycle we use the maximum available Bitcoin price history. After clicking 'Set Max SZ', the software returns SZ = 176, which corresponds to roughly 14 years of data:



WFA chart for four major Moon based cycles looks this way:

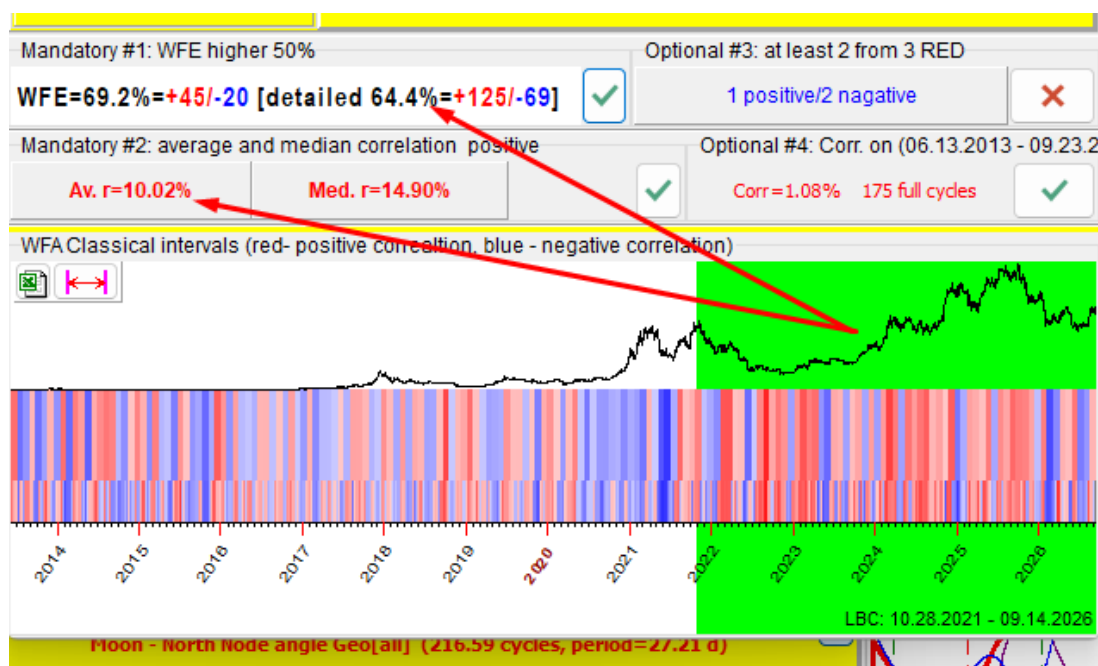
Astro cycle			
Cycle kind	Moon - Moon apogee angle Geo[all] (213.89 cycles, period=27.55 d)		
Permanent			
Mandatory #1: WFE higher 50%	Optional #3: at least 2 from 3 RED		
WFE=55.1% =+97/-79 [detailed 54.8% =+289/-238]	☒	1 positive/2 negative	☐
Mandatory #2: average and median correlation positive	Optional #4: Corr. on (06.13.2013 - 09.23.2026)>0		
Av. r=3.24%	Med. r=3.33%	☒	Corr=1.08% 175 full cycles ☒
WFA Classical intervals (red- positive correlation, blue - negative correlation)			
Cycle kind	Moon - Sun angle Geo[all] (118.87 cycles, period=29.53 d)		
Permanent			
Mandatory #1: WFE higher 50%	Optional #3: at least 2 from 3 RED		
WFE=54.0% =+95/-81 [detailed 46.5% =+245/-282] (Inv 53.5%)	☐	3 positive/0 negative	☒
Mandatory #2: average and median correlation positive	Optional #4: Corr. on (07.01.2012 - 09.23.2026)>0		
Av. r=-1.29%	Med. r=-3.73%	☐	Corr=-1.04% 175 full cycles ☐
WFA Classical intervals (red- positive correlation, blue - negative correlation)			
Cycle kind	Moon - North Node angle Geo[all] (216.59 cycles, period=27.21 d)		
Permanent			
Mandatory #1: WFE higher 50%	Optional #3: at least 2 from 3 RED		
WFE=52.3% =+92/-84 [detailed 49.9% =+263/-264] (Inv 50.1%)	☐	2 positive/1 negative	☒
Mandatory #2: average and median correlation positive	Optional #4: Corr. on (08.13.2013 - 09.23.2026)>0		
Av. r=-0.96%	Med. r=-0.07%	☐	Corr=-0.34% 175 full cycles ☐
WFA Classical intervals (red- positive correlation, blue - negative correlation)			
Cycle kind	Moon position Geo[all] (215.72 cycles, period=27.32 d)		
Permanent			
Mandatory #1: WFE higher 50%	Optional #3: at least 2 from 3 RED		
WFE=43.2% =+76/-100 [detailed 50.1% =+264/-263]	☒	0 positive/3 negative	☐
Mandatory #2: average and median correlation positive	Optional #4: Corr. on (07.24.2013 - 09.23.2026)>0		
Av. r=0.18%	Med. r=0.00%	Risky! ☒	Corr=-0.47% 175 full cycles ☐

The most promising looks Moon anomalistic cycle:



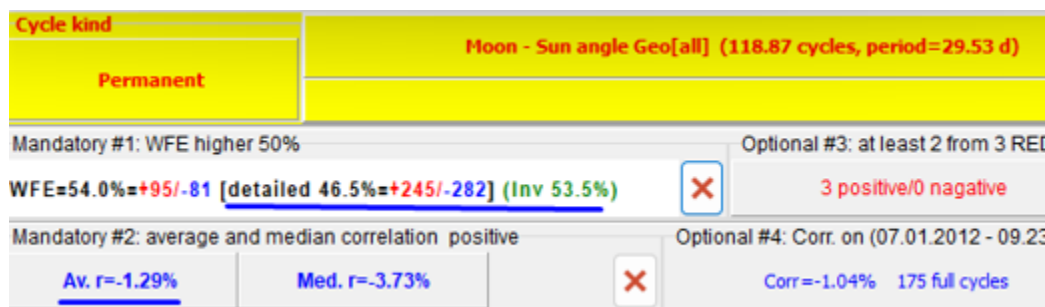
WFE (Walk-Forward Efficiency): 54.8% red-bar percentage, average correlation 3.24%. The cycle operates in its standard, non-inverted mode.

To evaluate this cycle's historical performance, we highlighted the segment of price history from late 2021 to the present (September 2026), covering the last five years:



It shows that the percentage of red bars during this period is high — 64.4%, with an average correlation of 10%.

Another cycle — the Moon synodic cycle — is less statistically significant and operates in an inverted manner, so it may be better not to use it:



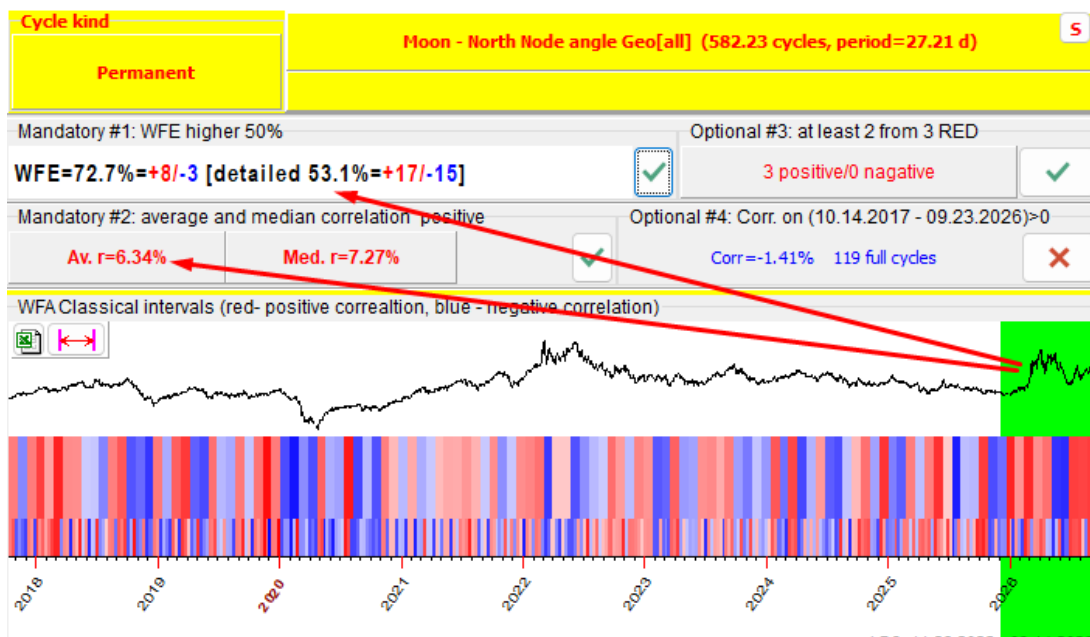
Example #3: Crude Oil

Here are the WFA charts for the four major Moon-based cycles calculated for crude oil (SZ = 120, step = 1/3):

Astro cycle	
Cycle kind	Moon - Moon apogee angle Geo[all] (574.99 cycles, period=27.55 d)
Permanent	
Mandatory #1: WFE higher 50%	
WFE=38.3% +=46/-74 [detailed 46.2% +=166/-193] (Inv 53.8%)	
Optional #3: at least 2 from 3 RED	
0 positive/3 negative	
Mandatory #2: average and median correlation positive	
Av. r=-2.50% Med. r=-3.72%	
Optional #4: Corr. on (09.03.2017 - 09.23.2026)>0	
Corr=-1.88% 119 full cycles	
WFA Classical intervals (red- positive correlation, blue- negative correlation)	
WFA report: TS:CL.COMM@Crude Oil	
Astro cycle	
Cycle kind	Moon position Geo[all] (579.90 cycles, period=27.32 d)
Permanent	
Mandatory #1: WFE higher 50%	
WFE=40.8% +=49/-71 [detailed 45.4% +=163/-196] (Inv 54.6%)	
Optional #3: at least 2 from 3 RED	
3 positive/0 negative	
Mandatory #2: average and median correlation positive	
Av. r=-1.85% Med. r=-4.54%	
Optional #4: Corr. on (10.01.2017 - 09.23.2026)>0	
Corr=-1.90% 119 full cycles	
WFA Classical intervals (red- positive correlation, blue- negative correlation)	
WFA report: TS:CL.COMM@Crude Oil	
Astro cycle	
Cycle kind	Moon - North Node angle Geo[all] (582.23 cycles, period=27.21 d)
Permanent	
Mandatory #1: WFE higher 50%	
WFE=50.8% +=61/-59 [detailed 51.0% +=183/-176] (Inv 50.1%)	
Optional #3: at least 2 from 3 RED	
3 positive/0 negative	
Mandatory #2: average and median correlation positive	
Av. r=1.60% Med. r=1.46%	
Optional #4: Corr. on (10.14.2017 - 09.23.2026)>0	
Corr=-1.41% 119 full cycles	
WFA Classical intervals (red- positive correlation, blue- negative correlation)	
WFA report: TS:CL.COMM@Crude Oil	
Astro cycle	
Cycle kind	Moon - Sun angle Geo[all] (536.47 cycles, period=29.53 d)
Permanent	
Mandatory #1: WFE higher 50%	
WFE=56.7% +=68/-52 [detailed 49.9% +=179/-180] (Inv 50.1%)	
Optional #3: at least 2 from 3 RED	
3 positive/0 negative	
Mandatory #2: average and median correlation positive	
Av. r=0.42% Med. r=-0.25% Risky!	
Optional #4: Corr. on (01.09.2017 - 09.23.2026)>0	
Corr=-0.16% 119 full cycles	
WFA Classical intervals (red- positive correlation, blue- negative correlation)	
WFA report: TS:CL.COMM@Crude Oil	

The result does not look promising; the average correlation is low. It means that in long term Moon cycle does not affect crude oil prices.

The only option here is to use a more *risky* approach: try to identify a Moon cycle that performs well only in the recent period, roughly the last 1–4 years. To find such a cycle, examine the WFA charts for the Moon cycles and focus on those where the last 10–50 bars are *bright* — either bright red (strong positive correlation) or bright blue (strong negative correlation). The most promising candidate is the Moon draconic cycle; it appears that over the past year this cycle may have influenced crude oil prices:



Over the last year — from late 2025 to September 2026 — this cycle shows an average correlation of 6.34%. However, keep in mind that this approach is considerably more risky. The likelihood that this pattern has formed accidentally, as a simple manifestation of chaos, is high.