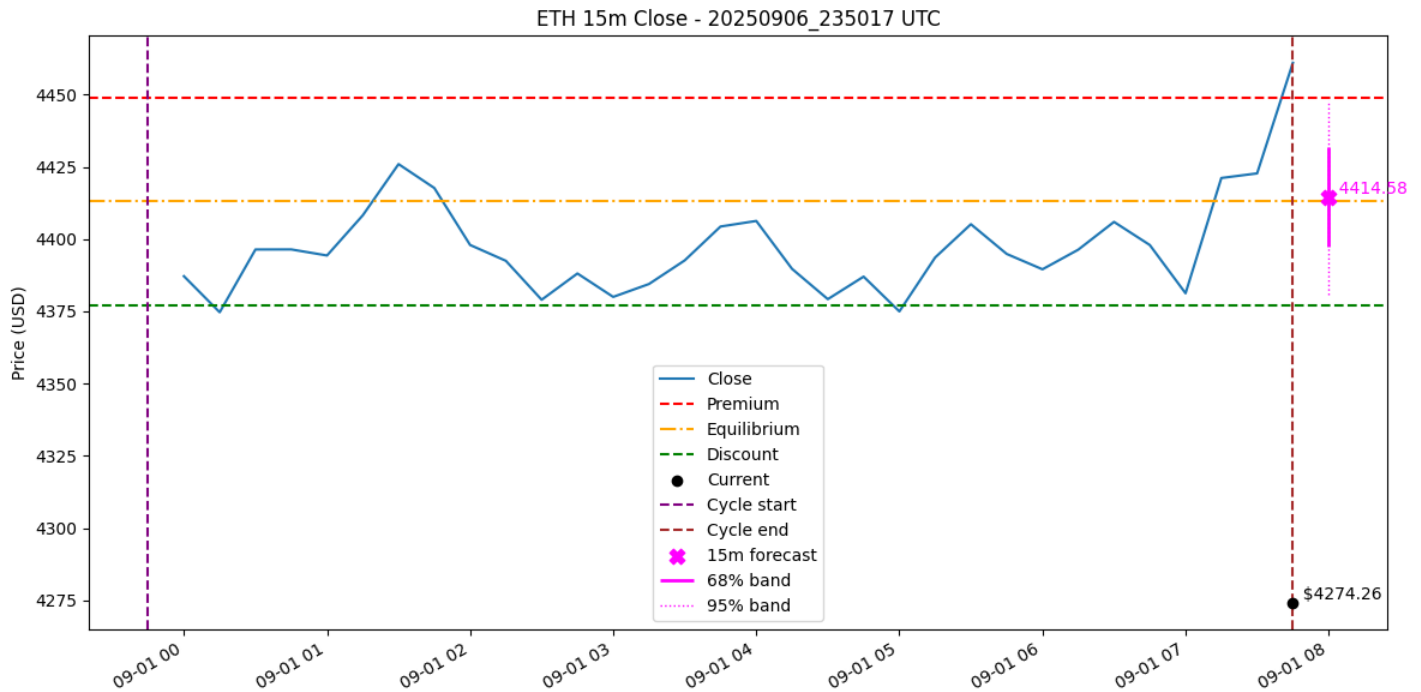


Ethereum 15m Goldbach Analysis

Generated: 20250906_235017 UTC

Prepared by: FINANCIAL-TOOLS analysis pipeline



ETH 15m Goldbach Analysis - 20250906_235017 (UTC)

****Current price:**** 4274.26

****Bars analyzed:**** 32

****Algorithm:**** Algorithm 2 (Trending Algorithm) — Directional movement, creating OTE (Optimal Trade Entry) opportunities

****AMD phase:**** Distribution (NY Session) (recent: Manipulation)

****Last full cycle:**** 2025-08-31T23:45:00+00:00 → 2025-09-01T07:45:00+00:00 (32 bars)

****Cycle range:**** 107.43 (High 4466.80 / Low 4359.37)

****PO3 active level:**** 243 (Eq 4413.09 / Prem 4449.07 / Disc 4377.10)

****Price position in PO3 range:**** -79.2% (0%=range low, 100%=range high)

****Current PO3 zone:**** Premium Zone

****15m forecast (linear):**** 4414.583 at 2025-09-01T08:00:00+00:00 (± 17.14 ~68%)

****Forecast 68% band:**** 4397.44 - 4431.72

****Forecast 95% band:**** 4380.99 - 4448.18

****Slope (USD/15m):**** 1.415 (per hour: 5.659)

****Recent volatility (24 bars stdev %):**** 0.35%

****ATR(14) 15m:**** 27.35

****Approx annualized vol:**** 54.17%

****Risk (ATR units):**** Prem 6.39 | Eq -5.08 | Disc -3.76

****Trader Notes****

- Trending conditions: favor continuation setups; confirm with displacement

- Forecast point is informational only; manage risk independently
- Premium zone: evaluate sell scenarios / mean reversion

Audit metadata (JSON written to eth_15m_20250906_235017.json)

Appendix: Full audit JSON

```
{
  "timestamp_utc": "2025-09-06T23:50:17.023685Z",
  "script": "generate_eth_15m_report.py",
  "symbol": "X:ETHUSD",
  "days_requested": 5,
  "status": "ok",
  "notes": [
    "Using Coinbase snapshot as authoritative current_price"
  ],
  "bars_count": 32,
  "current_price": 4274.26,
  "cycle": {
    "cycle_found": true,
    "completion_time": "2025-09-01 07:45:00+00:00",
    "completion_price": 4460.99,
    "cycle_high": 4466.8,
    "cycle_low": 4359.37,
    "cycle_range": 107.43000000000029,
    "bars_in_cycle": 32
  },
  "algo": {
    "current_algorithm": "Algorithm 2 (Trending Algorithm)",
    "characteristics": "Directional movement, creating OTE (Optimal Trade Entry) opportunities",
    "range_percentage": 2.442868557106152,
    "trend_strength": 1.6790599856345356,
    "algo_knowledge": [
      "g a Tesla Vortex, but we base the calculation...\n- page 37: `And interesting, ict mentioned back in the old da",
      "# Page 37\n\nNow this is very interesting. We have 2 sets of data, one\nthat starts with the number 1, and another",
      "# Page 38\n\nSo we have 2 sets of data:\n1 3 9 13 11 5\n2 6 4 12 8 10\nIf we map this to our goldbach values we",
    ]
  },
  "amd": {
    "current_phase": "Distribution (NY Session)",
    "phases_detected": [
      "Manipulation"
    ],
    "amd_knowledge": [
      "# Page 67\n\nNow, I told you that we can break each phase into smaller\nAMD phases, as price is fractal.\nSo if",
      "ure shift) and retraced back into (to form an...\n- page 67: `After the retracement into the consolidation of t",
      "hase into smaller AMD phases, as price is fractal. So if we look for instance at the manipulation phase of the..",
    ]
  },
  "po3": {
    "active_po3_level": 243,
    "range_high": 4466.8,
    "range_low": 4359.37,
    "premium_zone": 4449.07405,
    "discount_zone": 4377.09595,
    "equilibrium": 4413.085,
    "current_price": 4460.99,
    "current_zone": "Premium Zone",
    "po3_knowledge": [
      "t take the dealing range low and add the power of\nthree number we used in our formula above to it.\nSo let\u2019s",
      "# Page 16\n\nAbove you see a 243 PO3 dealing range, with equilibrium\nand the 1/3 and 2/3 levels as well.\nThe n",
      "# Page 23\n\nWHAT YOU LEARNED IN THIS CHAPTER\nWhat are Power of three numbers\nHow to calculate PO3 dealing ran",
    ]
  }
}
```

```

},
"snapshot": {
  "source": "coinbase",
  "price": 4274.26,
  "timestamp": "2025-09-06 18:50:19.354368",
  "latency_seconds": 0.17698049545288086,
  "timestamp_original": "2025-09-06 18:50:19.354368"
},
"forecast": {
  "price": 4414.58260869565,
  "timestamp": "2025-09-01T08:00:00+00:00",
  "method": "linear_regression",
  "std_error": 17.140872168545272,
  "band_68": {
    "confidence_level": "~68%",
    "lower": 4397.441736527105,
    "upper": 4431.723480864196
  },
  "band_95": {
    "confidence_level": "~95%",
    "lower": 4380.986499245301,
    "upper": 4448.1787181459995
  },
  "slope_per_15m": 1.4147086956520893,
  "slope_per_hour": 5.658834782608357,
  "points_used": 24
},
"atr_15m": 27.347142857142963,
"po3_position_pct": -79.22368053616256,
"annualized_vol_pct": 54.165265029689124,
"risk_metrics": {
  "distance_to_premium": 174.81404999999995,
  "distance_to_discount": -102.83594999999968,
  "distance_to_equilibrium": -138.82499999999982,
  "distance_to_premium_atr": 6.392406362639059,
  "distance_to_discount_atr": -3.760391004544716,
  "distance_to_equilibrium_atr": -5.076398683591887
}
}

```