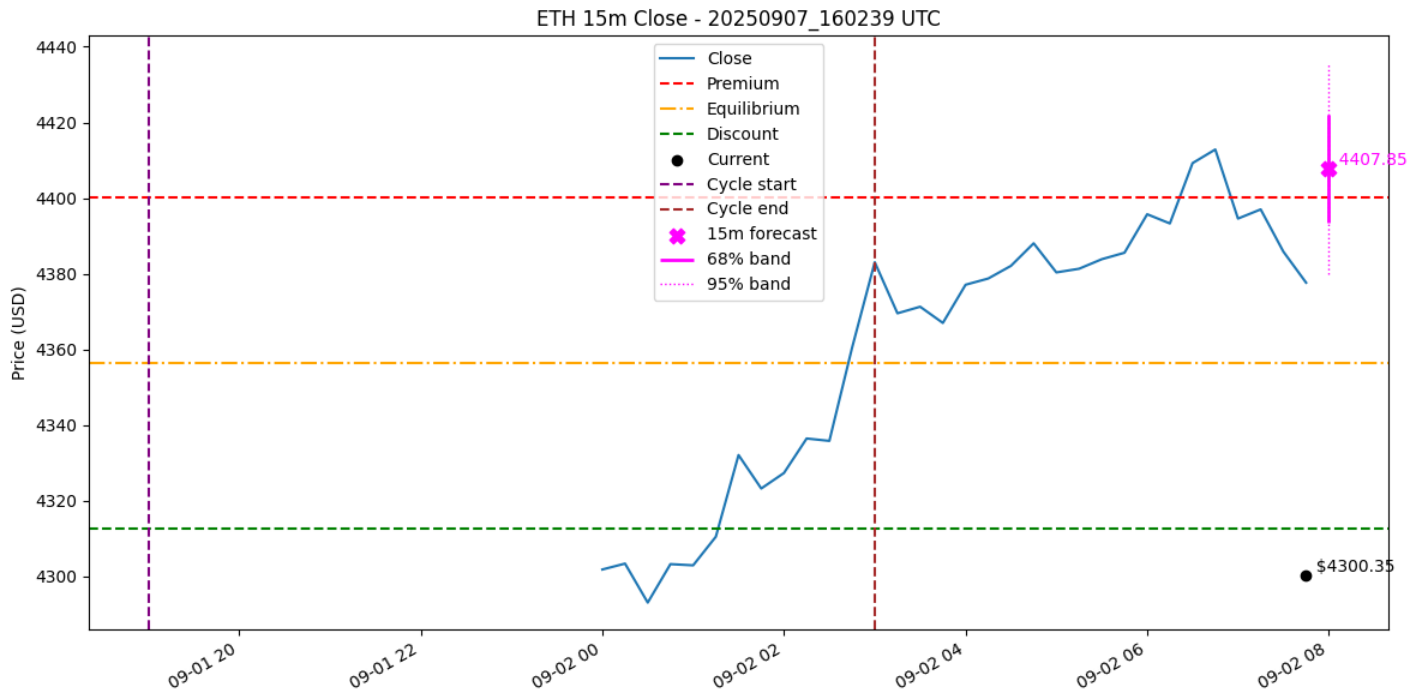


Ethereum 15m Goldbach Analysis

Generated: 20250907_160239 UTC

Prepared by: FINANCIAL-TOOLS analysis pipeline



ETH 15m Goldbach Analysis - 20250907_160239 (UTC)

****Current price:**** 4300.345

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

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

****AMD phase:**** Manipulation (London Session) (recent: Manipulation)

****Last full cycle:**** 2025-09-01T19:00:00+00:00 → 2025-09-02T03:00:00+00:00 (32 bars)

****Cycle range:**** 130.91 (High 4421.80 / Low 4290.89)

****PO3 active level:**** 243 (Eq 4356.35 / Prem 4400.20 / Disc 4312.49)

****Price position in PO3 range:**** 7.2% (0%=range low, 100%=range high)

****Current PO3 zone:**** Equilibrium Zone

****15m forecast (linear):**** 4407.853 at 2025-09-02T08:00:00+00:00 (± 14.24 ~68%)

****Forecast 68% band:**** 4393.61 - 4422.10

****Forecast 95% band:**** 4379.93 - 4435.77

****Slope (USD/15m):**** 2.381 (per hour: 9.525)

****Recent volatility (24 bars stdev %):**** 0.24%

****ATR(14) 15m:**** 20.83

****Approx annualized vol:**** 37.35%

****Risk (ATR units):**** Prem 4.79 | Eq -2.69 | Disc -0.58

****Trader Notes****

- Trending conditions: favor continuation setups; confirm with displacement

- Forecast point is informational only; manage risk independently
- Equilibrium: wait for clear displacement or liquidity run

Audit metadata (JSON written to eth_15m_20250907_160239.json)

Appendix: Full audit JSON

```
{
  "timestamp_utc": "2025-09-07T16:02:39.531852Z",
  "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": 4300.345,
  "cycle": {
    "cycle_found": true,
    "completion_time": "2025-09-02 03:00:00+00:00",
    "completion_price": 4383.05,
    "cycle_high": 4421.8,
    "cycle_low": 4290.89,
    "cycle_range": 130.90999999999985,
    "bars_in_cycle": 32
  },
  "algo": {
    "current_algorithm": "Algorithm 2 (Trending Algorithm)",
    "characteristics": "Directional movement, creating OTE (Optimal Trade Entry) opportunities",
    "range_percentage": 3.0020020178551268,
    "trend_strength": 1.7389184402563158,
    "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": "Manipulation (London 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": 4421.8,
        "range_low": 4290.89,
        "premium_zone": 4400.19985,
        "discount_zone": 4312.4901500000005,
        "equilibrium": 4356.345,
        "current_price": 4377.64,
        "current_zone": "Equilibrium 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 m",
          "# 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": 4300.345,
  "timestamp": "2025-09-07 11:02:44.541765",
  "latency_seconds": 0.22989463806152344,
  "timestamp_original": "2025-09-07 11:02:44.541765"
},
"forecast": {
  "price": 4407.8530072463755,
  "timestamp": "2025-09-02T08:00:00+00:00",
  "method": "linear_regression",
  "std_error": 14.244014727126816,
  "band_68": {
    "confidence_level": "~68%",
    "lower": 4393.608992519248,
    "upper": 4422.097021973503
  },
  "band_95": {
    "confidence_level": "~95%",
    "lower": 4379.934738381207,
    "upper": 4435.771276111544
  },
  "slope_per_15m": 2.38137391304343,
  "slope_per_hour": 9.52549565217372,
  "points_used": 24
},
"atr_15m": 20.825000000000077,
"po3_position_pct": 7.222519288060451,
"annualized_vol_pct": 37.34821186200178,
"risk_metrics": {
  "distance_to_premium": 99.85484999999971,
  "distance_to_discount": -12.145150000000285,
  "distance_to_equilibrium": -56.0,
  "distance_to_premium_atr": 4.794950780312093,
  "distance_to_discount_atr": -0.5832004801920884,
  "distance_to_equilibrium_atr": -2.689075630252091
}
}

```