PSEDYS | TECHNICAL REFERENCE MANUAL V3.0

PDH/PDL — Previous Day/Week High/Low

Technical Reference Manual v1.0

PSEDYS | Complete Edition
Previous Day/Week High/Low · Session Reset · Institutional Reference · Bias · Target · MTF · PSEDYS

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1. What are PDH/PDL/PWH/PWL? Concept

- **PDH (Previous Day High):** High of the previous day
- **PDL (Previous Day Low):** Low of the previous day
- **PWH (Previous Week High):** High of the previous week
- **PWL (Previous Week Low):** Low of the previous week

These are institutional reference levels — banks, funds, and algorithms use them as targets and decision zones. Breakout above PDH = bullish signal. Bounce at PDL = support test.

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2. Definition and Calculation

```
PDH/PDL (daily reset):
  PDH = max(High from all bars of the previous day)
  PDL = min(Low from all bars of the previous day)
  Reset: at 00:00 UTC (crypto) or 09:30 ET (NYSE)

PWH/PWL (weekly reset):
  PWH = max(High from all bars of the previous week)
  PWL = min(Low from all bars of the previous week)
  Reset: Monday 00:00 UTC

Example:
  Previous day (24h): High=67500, Low=62000
  PDH = 67500
  PDL = 62000

  Previous week: High=70000, Low=58000
  PWH = 70000
  PWL = 58000
```

3. Interpretation as Support/Resistance

```
PDH: Intraday resistance if price is below PDH
     Support (retest) if price has moved above PDH and retests

PDL: Intraday support if price is above PDL
     Resistance if price has fallen below PDL and bounces

PWH: Macro weekly resistance (stronger than PDH)
PWL: Macro weekly support

Daily bias:
  Close > PDH: bullish (price has exceeded the previous daily high)
  Close < PDL: bearish (price has broken the previous daily low)
  PDL < Close < PDH: neutral, intraday range
```

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4. Trading Signals

PDH Breakout

```
Close > PDH with RVOL > 1.5:
  → Bullish breakout → target PWH or weekly resistance
  → Entry Long at PDH retest (former resistance = new support)
  → SL below PDH

PDH Rejection:
  Price tests PDH from below + rejection (bearish bar):
  → Resistance held → Short with target PDL
  → SL above PDH
```

PDL Breakdown

```
Close < PDL with volume:
  → Bearish breakdown → target PWL
  → Entry Short at PDL retest
  → SL above PDL

PDL Bounce:
  Price tests PDL from above + bullish bounce:
  → Support held → Long with target PDH
```

PDH/PDL as Target Zones

```
Long from support → PDH = TP1 (natural target)
Short from resistance → PDL = TP1
Long from PDH (breakout) → PWH = TP2
```

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5. PDH/PDL vs Pivot Points — Differences

Aspect	PDH/PDL	Pivot Points
Calculation	H/L of the previous day	(H+L+C)/3 with derived formulas
Type	Real extremes (High/Low)	Calculated levels
Precision	Exact (price was there)	Estimate (not necessarily reached)
Institutional	Yes (real traded levels)	Yes (used by traders)
Bias	Close vs PDH/PDL	Close vs PP

6. MTF and PSEDYS

```
# PDH/PDL calculation from daily candles GM
def calc_pdh_pdl(daily_candles):
    """Returns PDH/PDL from the previous day."""
    if len(daily_candles) < 2:
        return None, None
    prev_day = daily_candles[-2]  # previous day
    return prev_day['high'], prev_day['low']

# PWH/PWL from weekly candles
def calc_pwh_pwl(weekly_candles):
    if len(weekly_candles) < 2:
        return None, None
    prev_week = weekly_candles[-2]
    return prev_week['high'], prev_week['low']

# Bias filter
def daily_bias(current_price, pdh, pdl):
    if current_price > pdh:
        return 'BULLISH_BREAKOUT'
    elif current_price < pdl:
        return 'BEARISH_BREAKDOWN'
    elif current_price > (pdh + pdl) / 2:
        return 'BULLISH_BIAS'
    else:
        return 'BEARISH_BIAS'
```

PSEDYS GM query:

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```
# Last 2 daily candles for PDH/PDL
curl -s -H "Authorization: Bearer gm_read_ti_2026_secure" \
  "http://localhost:8300/api/v1/candles/kraken/1d?symbol=BTC/USDT&limit=2"
```

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7. Practical Exercises

Exercise 1: BTC Close > PDH with RVOL = 2.1

Situation: BTC PDH = 66000. 1H Bar Close = 66800 (above PDH). RVOL = 2.1. EMA stack bullish.

Answer: Bullish breakout PDH confirmed — Long at retest. Close with 1.2% above PDH + double volume = valid breakout. Wait for retest 66000-66200 (PDH becomes support). Entry Long at 66100 with SL below 65800. TP1 = PWH or major resistance above (e.g., 70000).

Exercise 2: Price in range PDL-PDH all day

Situation: ETH. PDL = 3100, PDH = 3300. Price oscillates between 3150-3250 all day. ADX = 14.

Answer: Range trading intraday. Price in range PDL-PDH = no intraday trend market. Long at 3150 (near PDL) with target 3250 (near PDH). Short at 3250 with target 3150. Tight SLs (< 0.5%). ADX = 14 confirms lack of trend. Exit at breakout from range (Close < PDL or > PDH).

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8. Cheat Sheet

Concept	Rule
PDH	High of the previous day
PDL	Low of the previous day
PWH	High of the previous week
PWL	Low of the previous week
Daily Reset	00:00 UTC (crypto)
Weekly Reset	Monday 00:00 UTC
Close > PDH	Bullish breakout → target PWH
Close < PDL	Bearish breakdown → target PWL
PDH → Support	Post-breakout, PDH = support retest
PDL → Resistance	Post-breakdown, PDL = resistance retest
Range PDL-PDH	Range trading intraday (ADX < 20)
Natural TP Long	PDH (from support); PWH (from PDH breakout)
vs PP	PDH/PDL: real extremes; PP: calculated
PSEDYS	GM API /candles/kraken/1d limit=2

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