TLAB Stats — User Manual

Stats by Target, live inside Bookmap.

> ## ⚠️ MUST READ FIRST — DISCLAIMER
>
> **TLAB Stats is NOT financial advice.** It is a software tool for informational and educational use only. The numbers it displays — every level, every probability, every banner, every stat — **may be wrong**. **You alone** are responsible for verifying every value, every session, and for every trading or financial decision you make. Past performance does not predict future results. Trading involves substantial risk of loss. **No warranty. No liability.** By downloading, installing, or using this addon you confirm that you have read and accepted the full **DISCLAIMER**.

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1. What it is

TLAB Stats is a Bookmap addon that opens its own window and shows Tom B.'s **"Stats by Target"** touch-probability table for the current session:

- every reference level for the day, sorted by how near price is to it;
- each level's historical hit **probability** for today's open type;
- your **own** empirical hit rate for that level, tracked automatically;
- which levels price has already **hit**, and at what time.

It is self-contained — it needs no other software. All it asks of you is six numbers a day (yesterday's RTH levels) in a small CSV.

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2. Requirements

- **Bookmap** (the addon targets the Simplified API; built against Bookmap 7.x).
- The addon jar: `dist/tlab-stats-v*.jar` — the filename carries the version.
- To build from source: JDK 11 or newer and Gradle (a Bookmap install supplies the API jars the build compiles against).

3. Installing the addon

Two files are needed: `tlab-stats-v1.01.jar` (the addon) and `prior_day_levels.csv` (the daily-levels template).

1. **Save `prior_day_levels.csv` to your home folder.** On Windows this is `C:\Users\<your-name>\` — type `%USERPROFILE%` in File Explorer's address bar to get there. The addon looks here by default. If you prefer another location, save it anywhere and override the path in step 5.

2. **In Bookmap:** open **Settings** → **Configure add-ons** (the add-ons dialog).

3. Click **Add** and select `dist/tlab-stats-v1.01.jar`.

4. Tick `TLAB Stats - Stats by Target` in the list to activate it.

5. *(Only if your CSV is NOT in your home folder.)* Click the `TLAB Stats - Stats by Target` entry to open its settings panel, and set **Daily levels CSV** to the full path of your file.

6. The TLAB Stats window opens on its own a moment later (once the first trade arrives). If you close it, reopen it with **Open TLAB Stats window** in the add-on's settings panel.

Updating to a new version: untick TLAB Stats → **Remove** → **Add** the new `tlab-stats-v*.jar` → tick it again. Bookmap locks the old file while it is loaded, so it must be removed first. The current version number is shown at the bottom of the window.

4. First-time setup — the daily CSV

TLAB Stats self-generates almost everything, but it **cannot** know yesterday's RTH levels — those must be supplied. Open the `prior_day_levels.csv` you saved in your home folder (§3 step 1) and replace the six values with **today's** prior-day numbers:

```
P High,7512.50
P Low,7488.25
P Close,7501.00
P VPOC,7499.50
P VAH,7505.75
P VAL,7494.00
```

- Names are case- and space-insensitive (`P High`, `pHI`, `phigh` all work).
- `P Mid` is derived automatically (midpoint of P High and P Low).
- Lines beginning with `#` are comments.
- **Edit it in Notepad, not Excel** — Excel reformats CSV files.
- The addon watches the file and reloads it the moment you save. There is also a **Reload CSV** button in the window.

The overnight levels and the Initial Balance are **self-generated** and do not belong in the CSV. (The CSV has optional commented-out lines for them, used only as a fallback if Bookmap's backfill cannot reach the overnight session.)

> ⚠️ If the prior-day rows in the window look wrong, it is almost always because the CSV still has the template's sample numbers. Replace them.

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5. The window — a walkthrough

Toolbar (top)

- **Day type** — `Auto-detect`, or force a column: HIR / LIR / HOR / LOR / In Range / Out of Range. This selects which probability column drives every number in the window.
- **Always on top** — keep the window above other windows.
- **Reload CSV** — re-read the daily CSV immediately.

Header

```
TLAB Stats  -  ESM6.CME@TM.Lite
HOR  -  High Out of Range (gap up)   -   Gap +1.44%   -   Prior range 16.50
Price: 7506.75
```

The instrument, the classified **open type**, the **gap** from prior close, the prior-day **range**, and the live **price**.

12:1 stat banner

A gold caution strip appears below the price line when the **"12:1 stat"** triggers. It is **fully automatic** — the addon evaluates Tom B.'s rule itself.

The stat is **qualified** when **both** of these hold:

1. A new daily **high or low** is made during the 12-1 PM CST window (1:00–2:00 PM ET).
2. That new high/low prints **outside the prior day's range** — above `P High`, or below `P Low`.

When qualified, the stat gives roughly a **71%** chance of breaking the day's high/low and an **86%** chance of coming within **1 point (4 ticks)** of it — *do not fade it*.

The banner is an **observation, not a level** — it never appears in the table below. It reads **forming** while the window is open, then resolves on its own after 1 PM CST: **QUALIFIED — DO NOT FADE** if both conditions hold, or **not qualified** if the new extreme stayed inside yesterday's range. It needs `P High` / `P Low` in the daily CSV to judge condition 2 — if they're missing it says so. The banner clears at the next session.

LEVELS table

Every tracked level, **sorted nearest-to-price first**; levels already hit drop to the bottom. Each row has five columns:

Column	Meaning
`99%/63%`	**Dual stat** — Stat % / My % (see §6)
`●●●○○○○○`	**Proximity meter** — how close price is to the level (see §7)
`ONH`	Level name
`7507.75`	Level price
`▼1.42%` or `09:32:23`	Distance from price — **or**, if hit, the green hit time

NEXT UP

The five nearest un-hit levels — the levels price is most likely to reach next.

HIT SEQUENCE

A numbered log of every level hit this RTH session, in order, with the time and an up/down arrow.

Footer

`4 / 17 levels hit · column: HOR · history: 12 sessions · 14:11:06 ET` and, on the very bottom line, the **version number**.

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6. The dual stat — `Stat % / My %`

Each level shows two numbers, e.g. `IBH 99%/63%`:

- **Stat % (first number)** — the historical "Stats by Target" probability for the current day type — Tom B.'s published number. For a **paired** level (IBH/IBL, ONH/ONL, pVAH/pVAL, pHigh/pLow, the IB 1.5× and 2.0× pairs) this is the *"either of the pair gets hit"* rate. Once the **sibling** level is tagged, it flips to the *"both hit"* rate — so the number updates as the session develops. Example: before either IB extreme is hit, IBH and IBL both show ~99%; once IBH is hit, IBL drops to the ~24% "both hit" rate.
- **My % (second number)** — your own empirical hit rate, tracked automatically (see §10). It shows `-` until enough sessions have been recorded.

Personal tracking is **optional**. Untick **Track my personal stats** and the addon shows the **Stat % only** — the My % column is hidden and nothing is written to disk. Tick it again to bring My % back. See §10 and §12.

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7. The proximity meter

The 8-dot meter (`●●●○○○○○`) shows **how close price is to that level**:

- a **full** meter ≈ price is almost on the level;
- an **empty** meter ≈ the level is 40+ points away;
- each dot ≈ 5 points.

A hit level shows a full green meter.

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8. Day-type classification

At the RTH open the addon classifies the day from the opening price against the prior-day levels:

- open **above P High** → **HOR** (High Out of Range, gap up)
- open **below P Low** → **LOR** (Low Out of Range, gap down)
- open **in range, ≥ P Close** → **HIR** (High In Range)

- open **in range, < P Close** → **LIR** (Low In Range)

The result selects the probability column. Before the open (or with no CSV loaded) the **All-days** column is used. You can override the classification with the **Day type** toolbar control.

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9. Backfill — attach any time

TLAB Stats uses Bookmap's Simplified API, which delivers a data clock and **backfilled historical trades**. When you attach the addon — even at midday — Bookmap replays the session through it with the **original timestamps**, so:

- a level hit at 10:00 is shown as hit and stamped 10:00;
- the **Initial Balance** (09:30–10:30) rebuilds itself;
- the **overnight levels** and today's open are reconstructed.

You do **not** have to run the addon all session.

> Backfill covers however much history Bookmap has loaded for that chart — normally the whole session. If an early stretch looks missing, scroll the chart back to load more history and it fills in.

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10. The history file — your personal stats

When **Track my personal stats** is enabled (the default), the addon records every **live** session it runs to a per-instrument file:

```
~/BmStats_history_<instrument>.csv
```

One row per session: `date, dayType, then 1/0 for each level`. This is what powers the second number in the dual stat. The file defaults to your home folder; the **History folder** setting (§12) can place it anywhere. The rate shown is the **overall** rate until a day-type bucket has at least 10 sessions, after which that bucket switches to its day-type-specific rate. Hover a level for the sample size.

Backfilled past days are **not** recorded — only sessions you actually ran live — so the personal stat is a true forward record. It is a plain CSV; you may open or inspect it.

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11. The tracked levels

Group	Levels	Source
Overnight	ONH, ONL, ON VPOC, ON Mid	self-generated
Initial Balance	IBH, IBL, IBH 1.5, IBL 1.5, IBH 2.0, IBL 2.0	self-generated
Prior day	P High, P Low, P Close, P VPOC, P VAH, P VAL, P Mid	the daily CSV (P Mid derived)
30-min IB *(optional)*	IBH 30, IBL 30	self-generated — see below

IB extensions are projections of the IB range from the opposite IB extreme: `IBH 1.5 = IBL + 1.5 × (IBH − IBL)`, and so on.

The 60-minute Initial Balance always shows — IBH, IBL and the four extensions, each with its probability. IB levels are tracked for hits once the hour-long IB window closes (one hour after the session open).

The 30-minute IB is optional — tick **Show the 30-minute IB** in the settings panel and two extra reference lines appear, `IBH 30` and `IBL 30` (the high/low of the first 30 minutes). They are a *nice-to-know* reference only: no extensions, no probability, no tracked %, and never written to the history file. The `–` in their stat column is intentional.

Overnight and prior-day levels are tracked from the session open. The session, the IB and the 30-min IB are all measured from the configurable **Session open** time (§12), default 09:30 ET.

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12. Settings

In the add-on's settings panel (in Bookmap's Configure add-ons dialog):

Setting	Default	Meaning
Daily levels CSV	`<your home>\prior_day_levels.csv` (e.g. `C:\Users\<name>\prior_day_levels.csv`)	full path to the CSV. Default is your home folder — change if you saved it elsewhere.
Track my personal stats	on	off = Stat % only (My % column hidden); no history file written or read
History folder	*(blank)*	folder for the session-history CSV — blank = your home folder
Hit tolerance (ticks)	`0`	slack added before a level counts as hit
Session open (ET)	`09:30`	RTH session start — the IB is measured from here
Session close (ET)	`16:00`	RTH session end
Show the 30-minute IB	off	adds `IBH 30` / `IBL 30` reference lines
Hit sound	Off	sound on each fresh hit — Beep / Ding / Chime / Bell / Buzz (live only); **Test** button previews it

The day type, always-on-top and window settings also persist automatically through Bookmap. Session times are best set before the session — changing them mid-session does not retroactively rebuild the Initial Balance.

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13. Troubleshooting

Symptom	Cause / fix
Prior-day rows show odd prices	The CSV still has the template's sample numbers — replace them with today's.
Overnight / IB levels blank	Backfill did not reach that part of the session — scroll the chart back to load more history, or fill the optional CSV lines.
A second, blank window appeared	Should not happen from v1 onward — the window opens lazily and is single-instance. If it does, report it.
Window didn't open	It opens on the first trade. Use **Open TLAB Stats window** in the settings panel, or wait for a trade.
Numbers seem one day stale	Update the CSV; it is yesterday's data, not today's.

14. Building from source

The shippable jar is **obfuscated** with ProGuard:

```
cd "D:\TLAB BM STATS"
"C:\Gradle\gradle-9.4.1\bin\gradle.bat" proguard
```

Output: `dist/tlab-stats-v<n>.jar` (obfuscated). `gradle jar` on its own builds only the plain, un-obfuscated intermediate jar (`build/libs/tlab-stats-plain.jar`). The ProGuard step also needs a Bookmap install — it borrows Bookmap's bundled Java runtime as a reference. Close Bookmap first if it has the old jar loaded (the file is locked while in use).

15. Versioning

The current version is shown at the bottom of the TLAB Stats window and carried in the jar filename (`tlab-stats-v<version>.jar`). See CHANGELOG.md for release notes.

16. Support

TLAB Stats is a **free add-on**, provided as-is. If you find a bug, report it — bugs are addressed when they are brought to the author's attention. Beyond bug fixes there is **no support of any kind**, and none is implied: not from Sean Etchason, not from TraderLab, not from Tom B., and not from Bookmap. You run the add-on at your own discretion.

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17. Licence

TLAB Stats is **proprietary** — free to use inside Bookmap, but not open source. You may run it; you may **not** copy, redistribute, modify, decompile, reverse engineer, or reuse the code or the jar, nor submit it to an AI or automated system to reproduce or decompile it. See the `LICENSE` file for the full terms.

Stats are for illustration only. Past performance is not indicative of future results. Context supersedes statistics — no exceptions.