

Title: 3/2/2022 Heat Maps of the entire GME option chain - all expirys / all strikes. Tracks current Open Interest, change in Open Interest ( $\Delta$  OI) and Volume. NEW: MAYO Volume heat map  
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Greetings Apes!!!

Sorry for not posting these in a while.

I found out that the exchanges update and recalculate the open interest numbers overnight AFTER the current day is over and therefore my change in Open Interest ( $\Delta$  OI) numbers are technically always a day behind what I had originally thought.

For example: The data that I pulled today (Thursday) has a set of open interest numbers. These however are the open interest values for at the START of today. And the volume numbers for today do not tell me how much of that volume went in to changing the open interest. I have to wait until tomorrow to gather the necessary numbers to see how much my  $\Delta$  OI was for today.

I have played with different ways to try and gather that data sooner but my life and day job just do not permit me to do more than one data gathering event per day. So going forward, I will always be one day behind the market in the numbers that I post.

So... on to everyone's favorite heat maps...

**\*\*The Maps\*\***

<https://imgur.com/a/7qmMmfN>

**\*\*GME\*\***

**\*\*Daily for Wednesday 3/2/2022\*\***

- 1) Open interest at market open on Wednesday 3/2/2022.
- 2) Change in open interest from market open Wednesday 3/2/2022 to market open Thursday 3/3/2022.
- 3) The volume from market open through market close Wednesday 3/2/2022.

BUT WAIT THERE'S MORE!!!!

Thanks to u/Dr\_Gingerballs post in SS that regales us with the tale of a dog and his tail chasing the ever

present MAX PAIN, I created another heat map chart that I will be calling the \*\*\*"MAYO Volume Chart"\*\*\*.

As of late, much has been debated (and anyone who has watched knows that 'debate' is a mild term) about the effect of the short term options on driving the daily price of our beloved stonk. Whether you subscribe to this idea or not, I thought it would be interesting to see just how much options volume exists every day at specific price points. \*\*This is the reason I needed good beginning and ending open interest values for my data.\*\*

Every day, some of the volume is represented in the change in open interest number( $\Delta$  OI). But the rest (any volume over the change in open interest) is volume that, to me, says "I am either here to day trade or to fuck with the price and I'm all out of day trading".

<https://imgur.com/a/Lf5q46M>

Any amount of the volume that is greater than the change in open interest is volume that that was either bought/sold or bought/exercised that SAME day. If that number gets to be large, I believe you have a marker that points to where someone is attempting to manipulate the price. And as we all know Ken loves to work to manipulate the price AND we know that Ken also loves MAYO, I have named this volume \*\*\*"MAYO Volume"\*\*\* in his honor.

So going forward, there will be an additional chart as part of my posts: \*\*The MAYO Volume Heat Map\*\*. Same great stuff but now with MAYO on top...

4) The MAYO Volume of Calls and Puts at every expiry and every strike and a summary of the MAYO Volume at each strike price. On Wednesday 3/2/2022.

NOTE: The numbers in the heat map are calculated by this algorithm...  $\text{MAYO Volume} = (\text{Total Volume} - \text{Absolute Value}(\text{Change in Open Interest})) / 2$

The reason for the divided by 2 is that after the change of open interest is taken into account, all the remaining volume has a NET ZERO affect on the change in open interest. So half of the volume goes into buying options and half goes into either selling or exercising those options.

For example: Volume is 3000. The change in open interest is 600.  $3000 - 600 = 2400$  available to buy MAYO. That means to equal a NET ZERO effect, 1200 had to be bought and 1200 had to be sold/exercised. So I call the MAYO Volume for that example 1200.

Obligatory: This is not financial advice.

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TL,DR: Pretty pictures that SHFs don't like.