

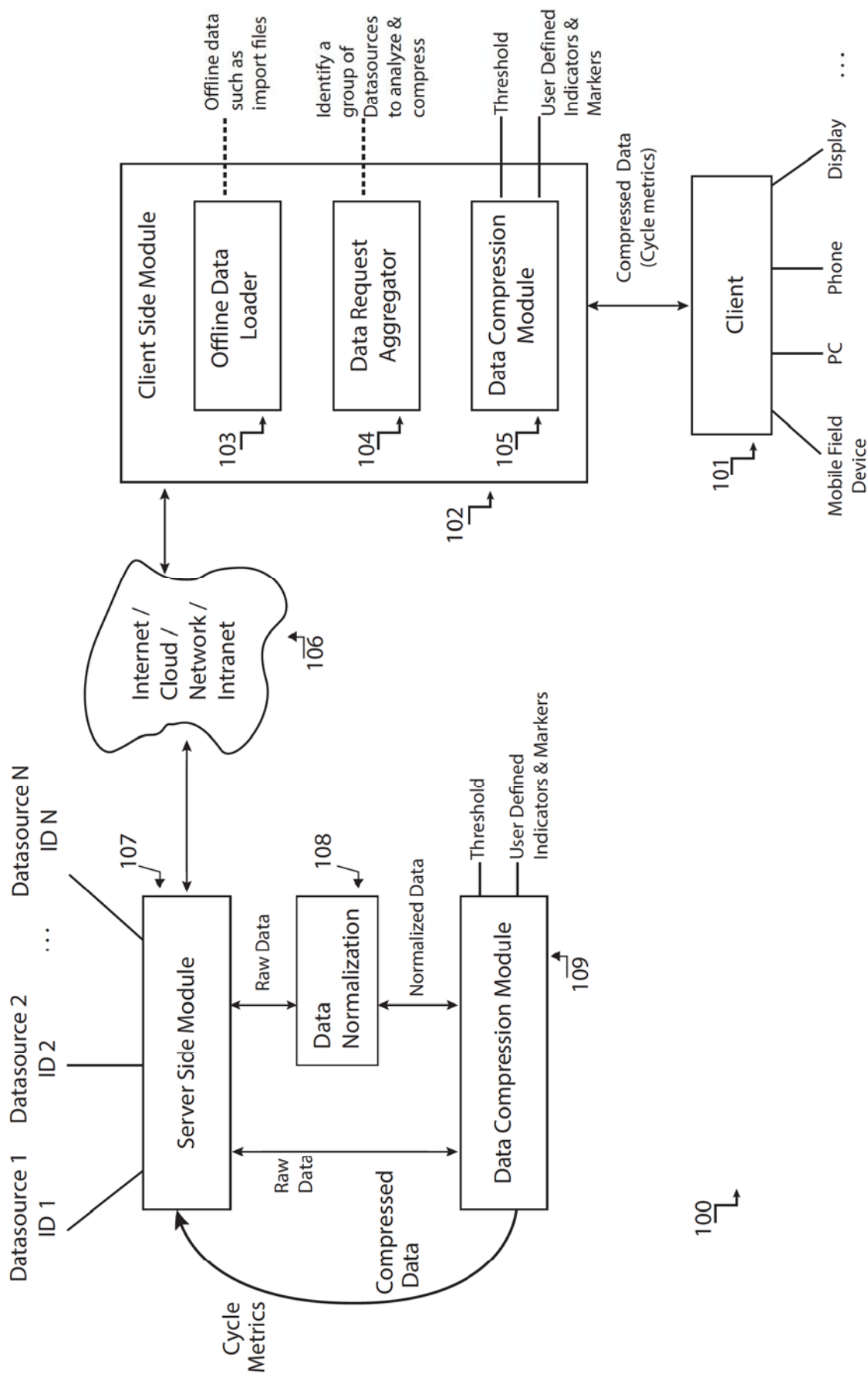


FIG. 1

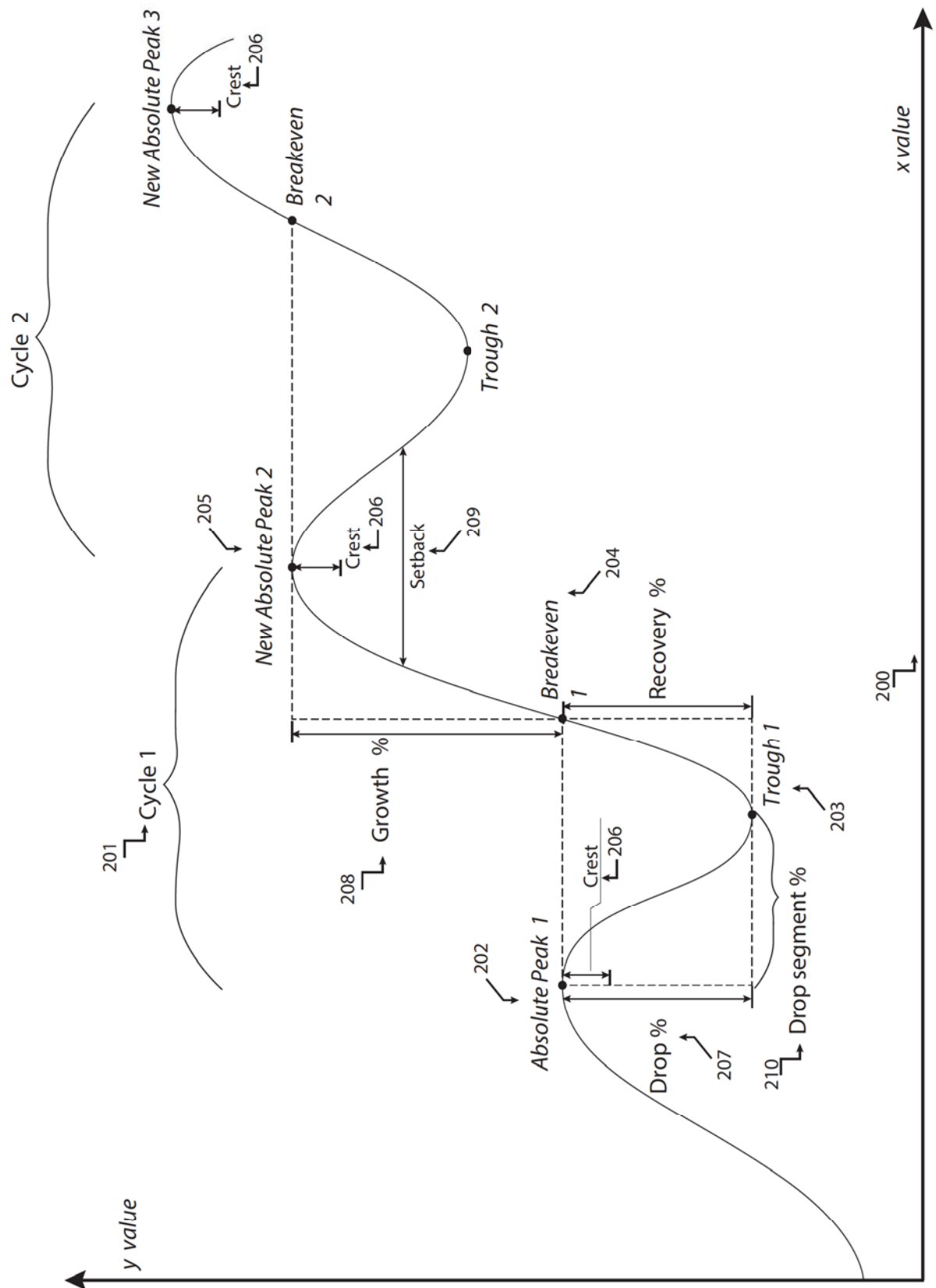
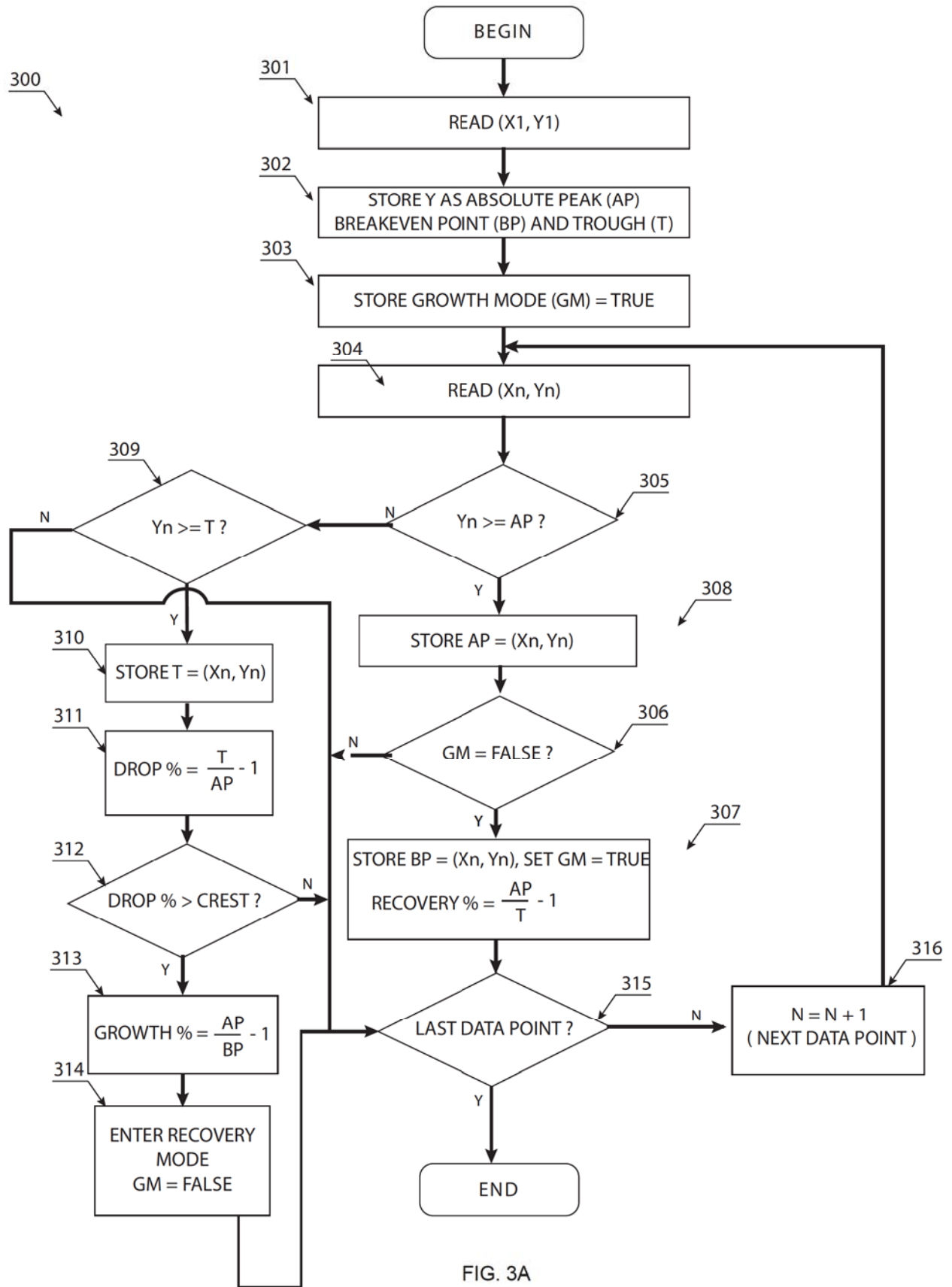


FIG. 2



```

type alias Xval = Float
type alias Yval = Float
type alias Percentage = Float
type alias DataPoint = (Xval, Yval)

type alias Process = {
  , GrowthMode: Bool
  , CrestThreshold: Float
  , Nth: Integer
}

type alias Cycle = {
  , DropPercent: Percentage
  , GrowthPercent: Percentage
  , AbsPeak_AP: DataPoint
  , Trough_T: DataPoint
  , Endpoint: Boolean
}

type alias Indicator = {
  , Point : DataPoint
  , Value: Percentage
  , Type: String
}

type alias CompressedDataStream = {
  , CycleList : List Cycle
  , Indicators : List Indicator
}

```

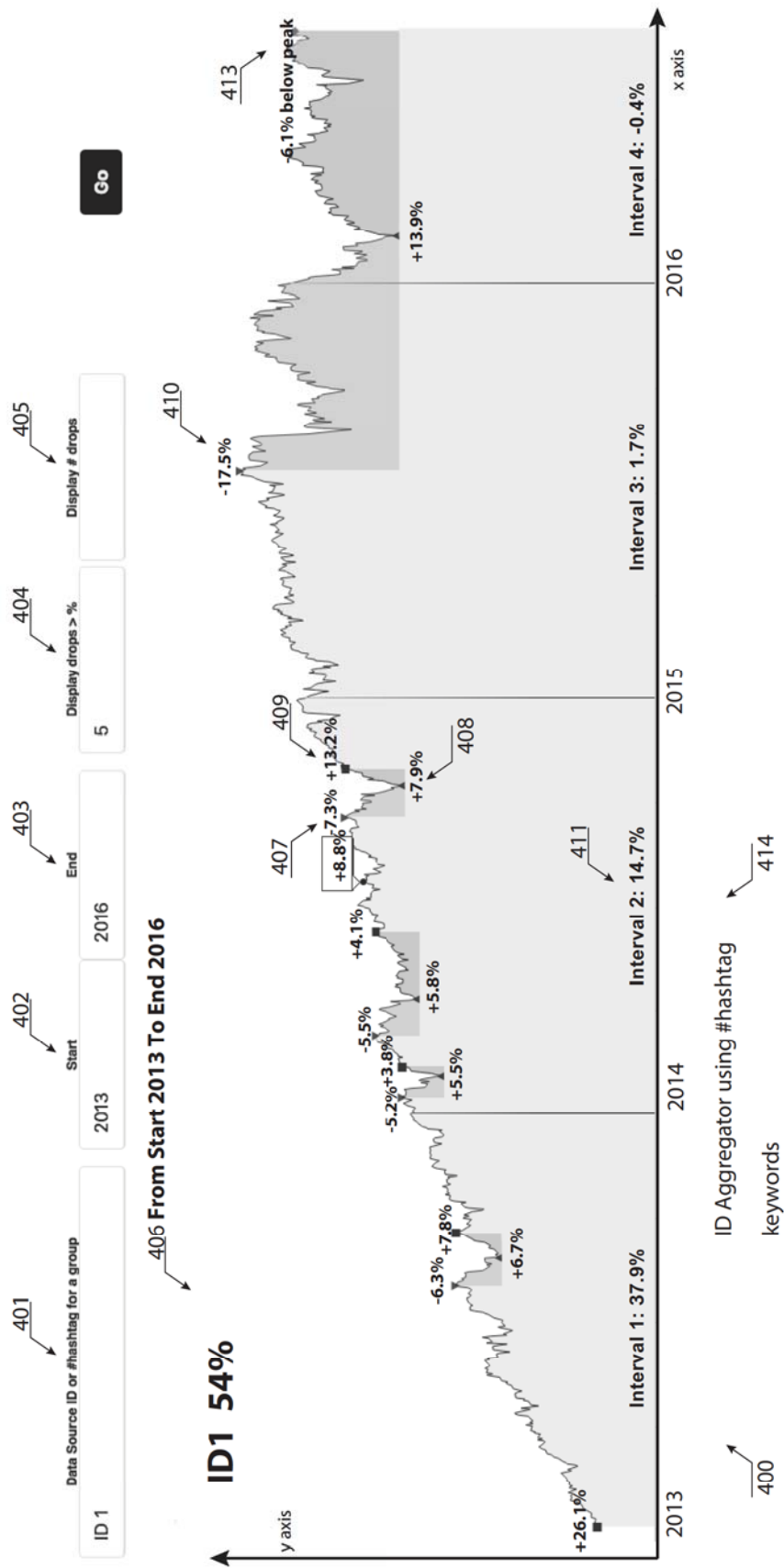
*True if we've broken breakeven,
False if we are looking for breakeven*

Threshold that determines a new cycle

The Nth data point to be analyzed

*Is this an incomplete cycle
at beginning or ending*

FIG. 3B



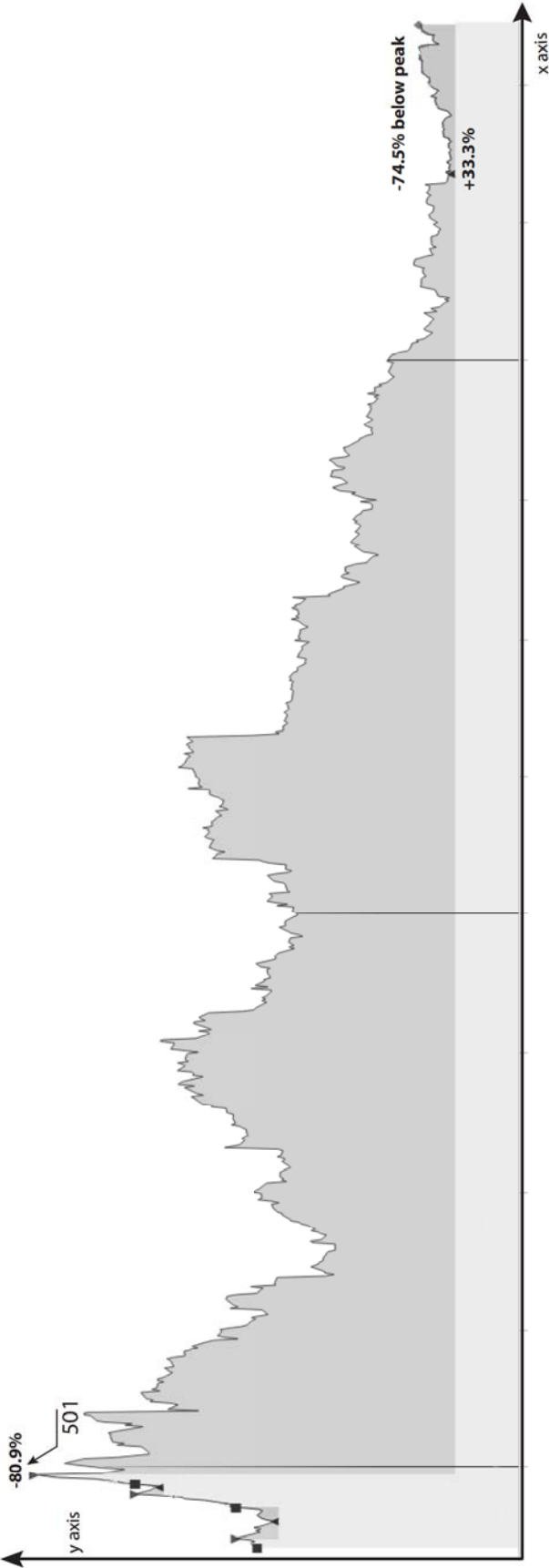
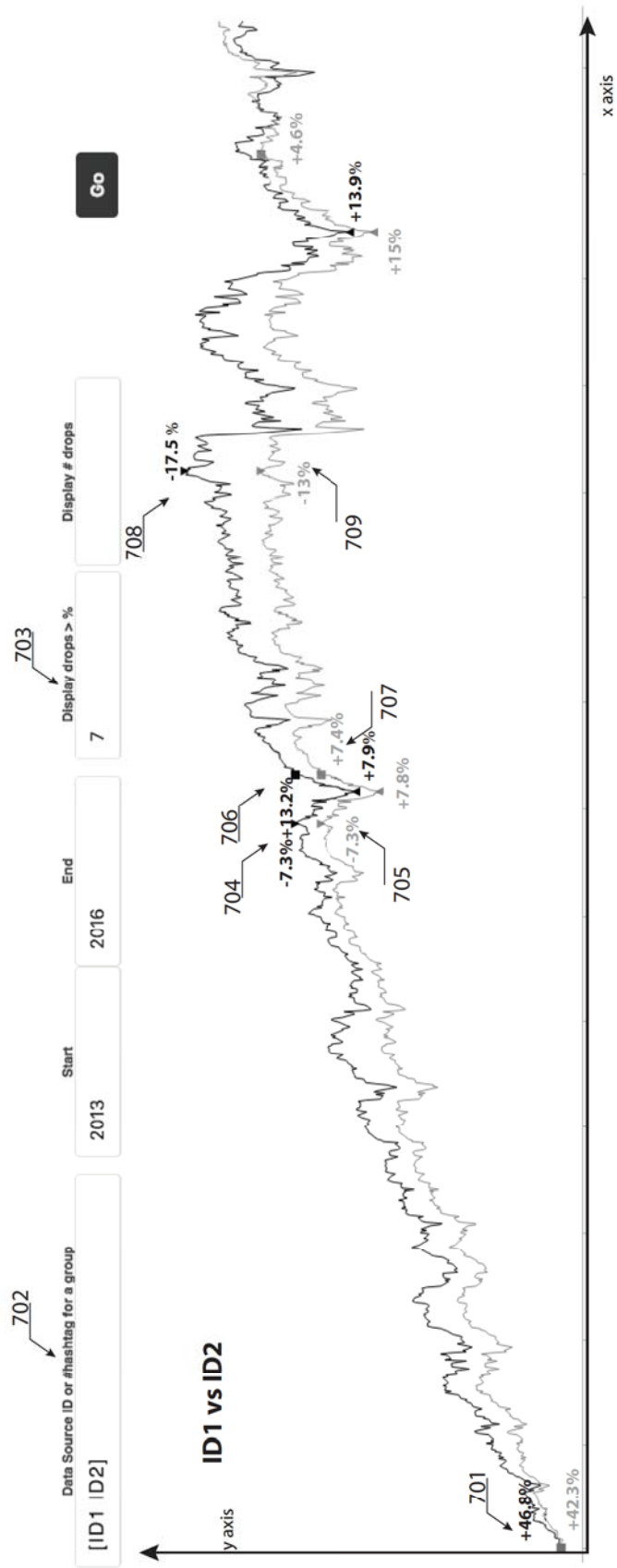


FIG. 5

Cycles & Indicators	Reason for Change Metrics
Drop Percentage Change	Drop Reason
Recovery Percentage Change	Recovery Reason
Growth Percentage Change	Growth Reason
Total Percentage Change	Total Change Reason
Period % Change	Periodic Change Reason
User Defined Zone % Change	User Defined Zone Return Reason

Possible Reasons Include: Network attack, heart beat, event start, blood pressure, heart attack, earthquake, virus infection, global warming, population injury, financial crisis, devaluation, abnormality and recovery, population anomaly, etc.

FIG. 6



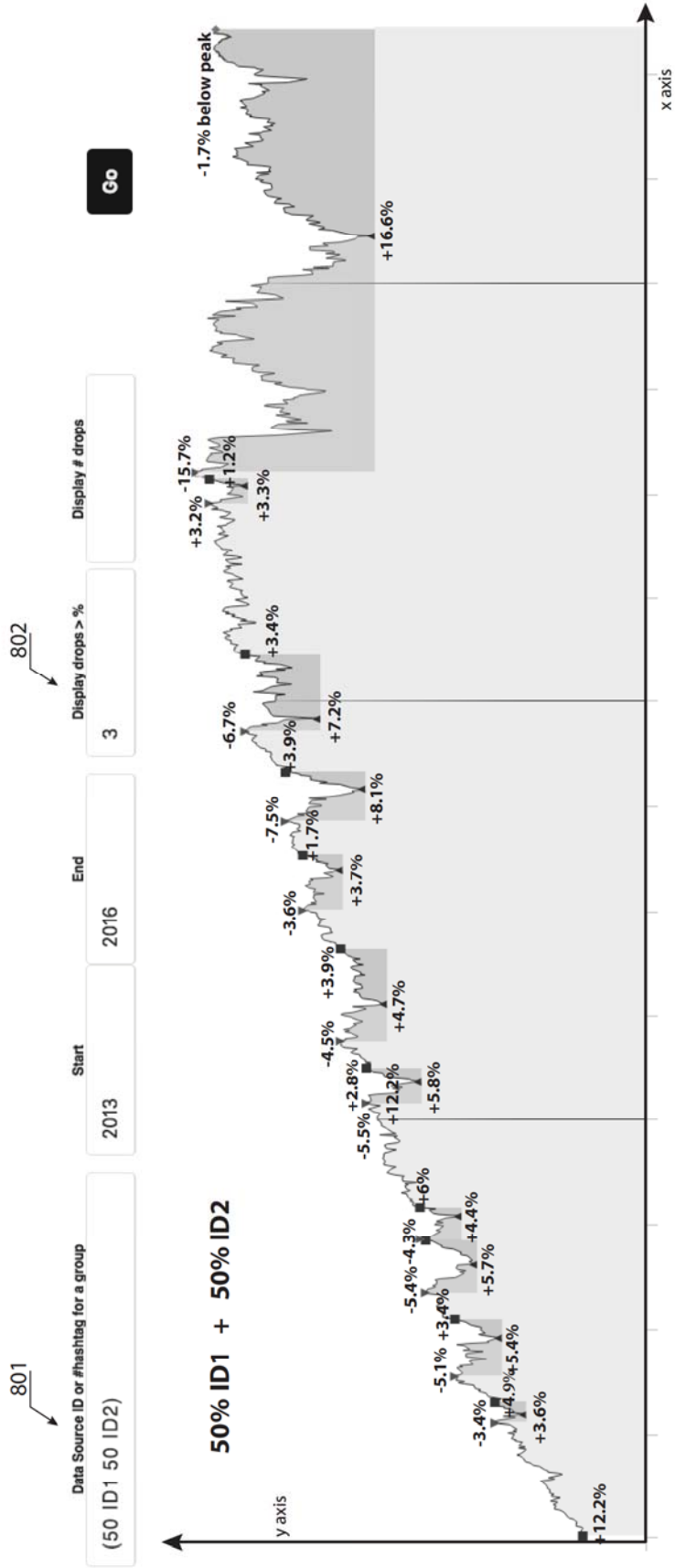


FIG. 8

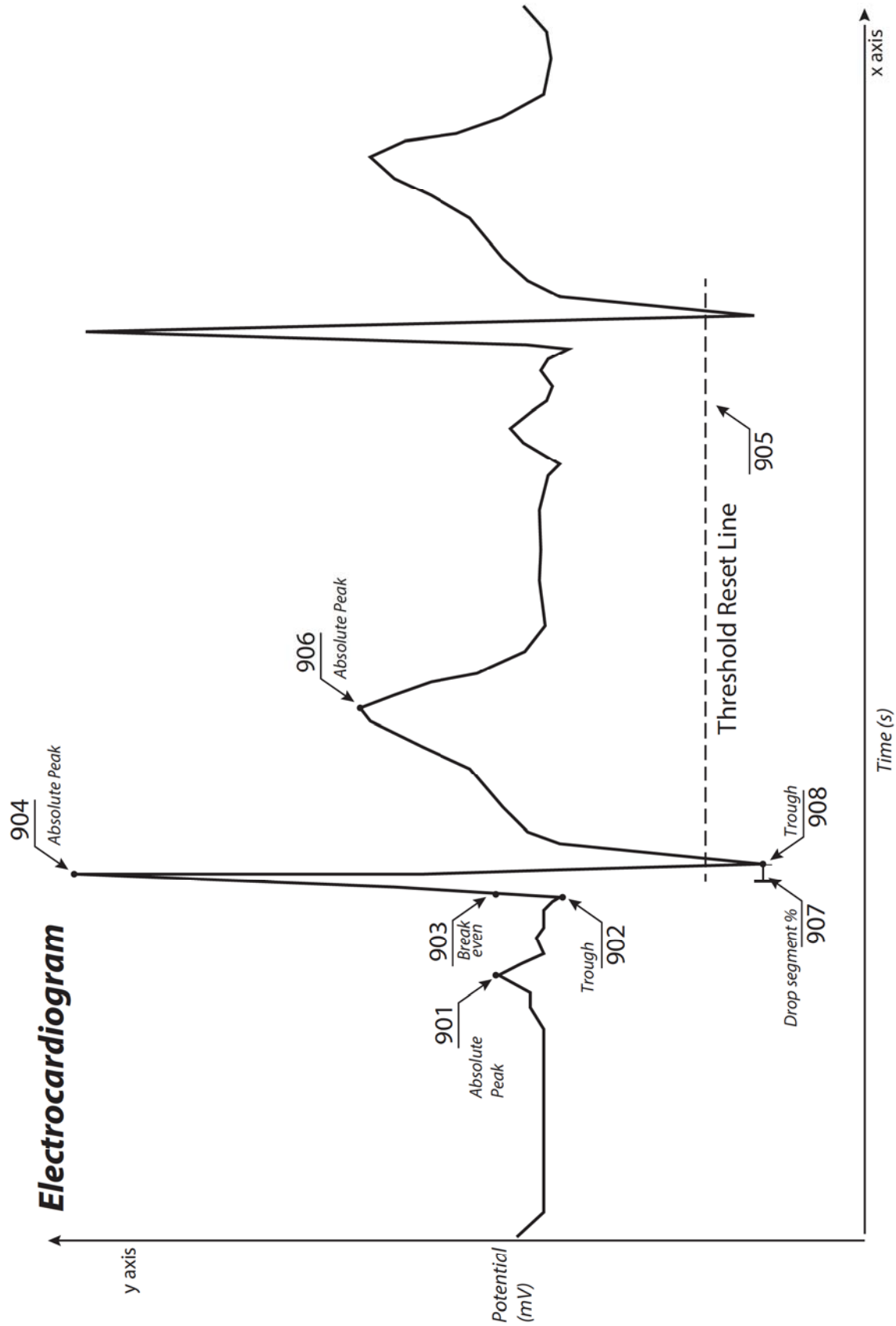


FIG. 9

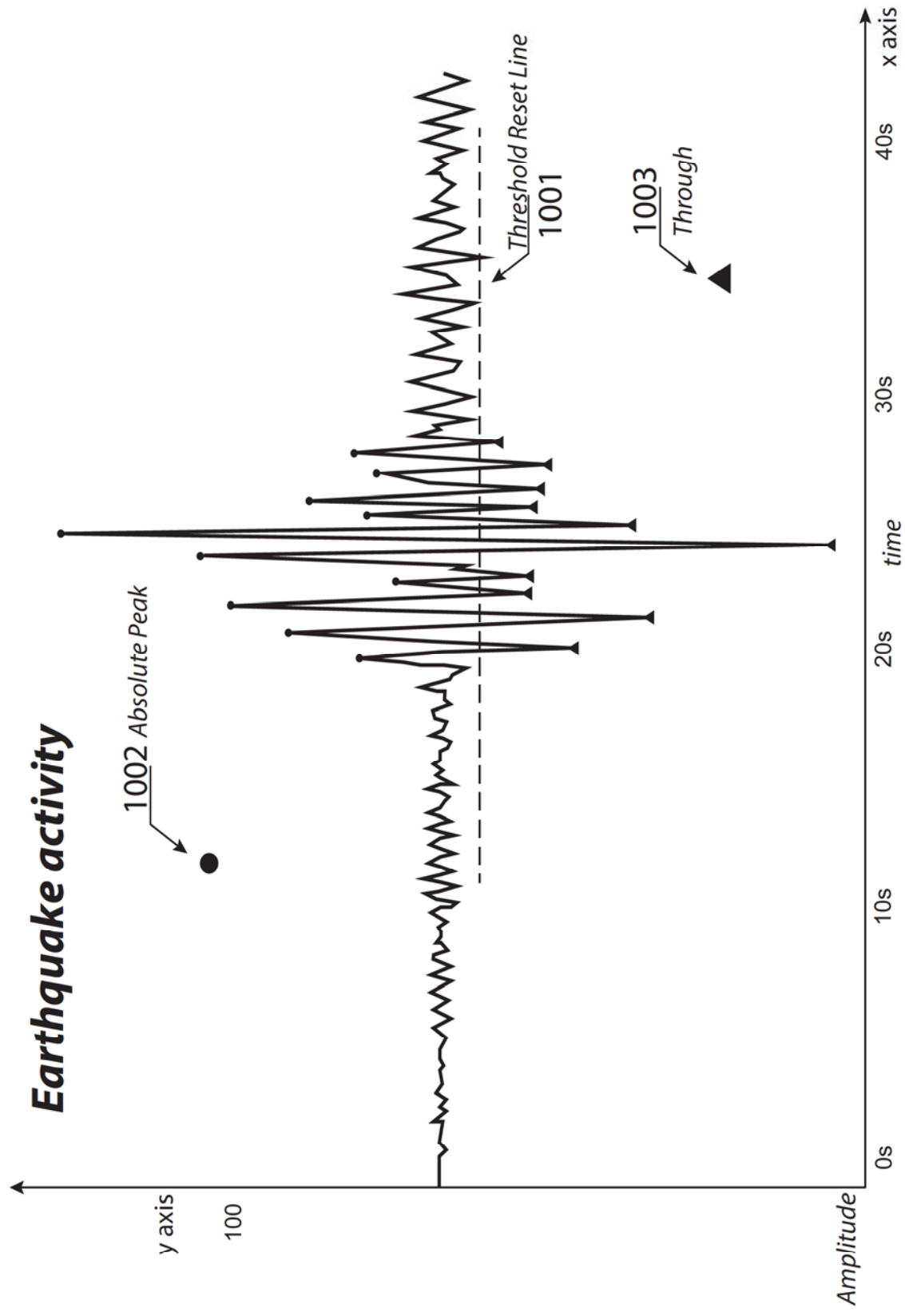


FIG. 10

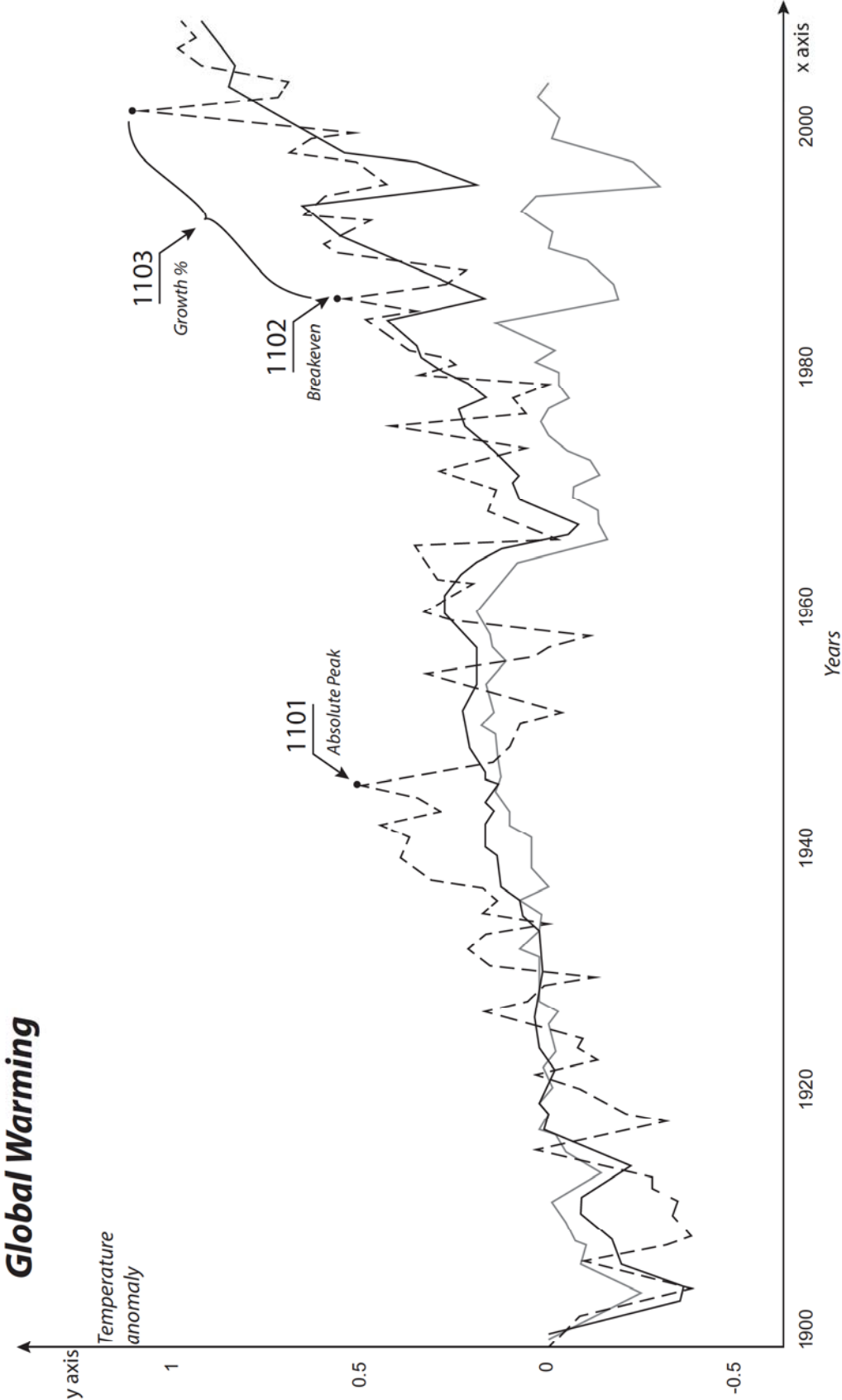


FIG. 11

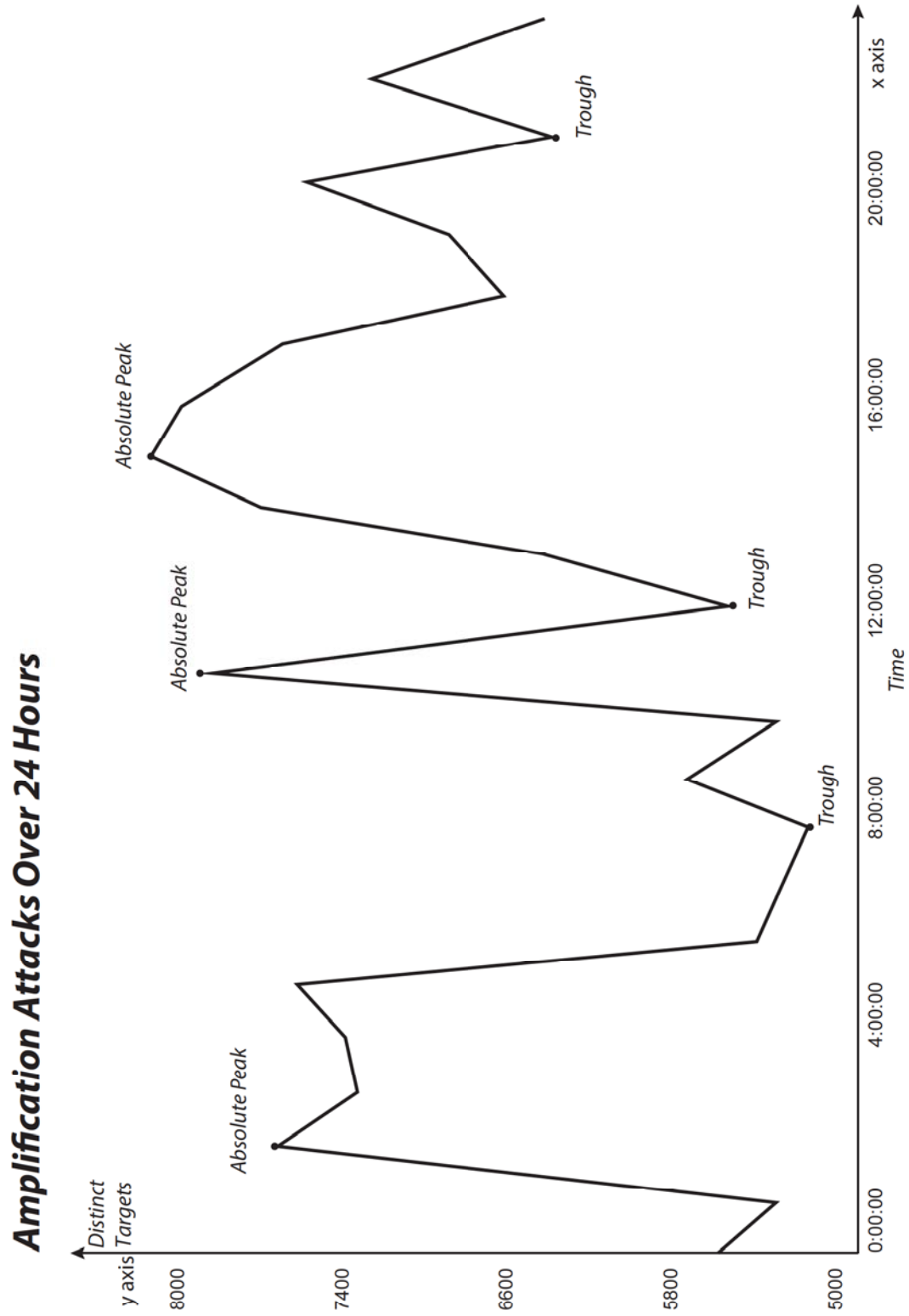


FIG. 12

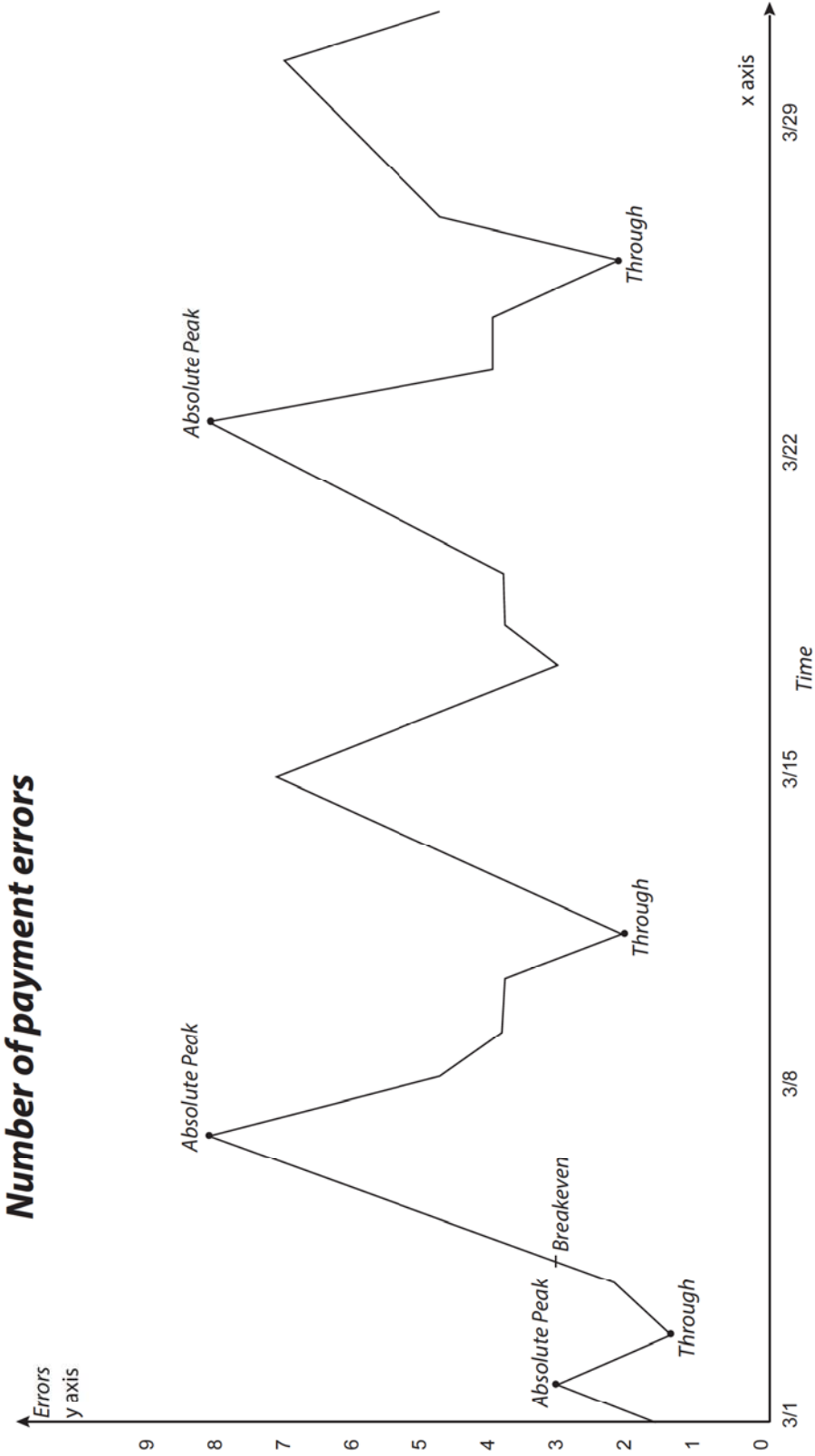


FIG. 13

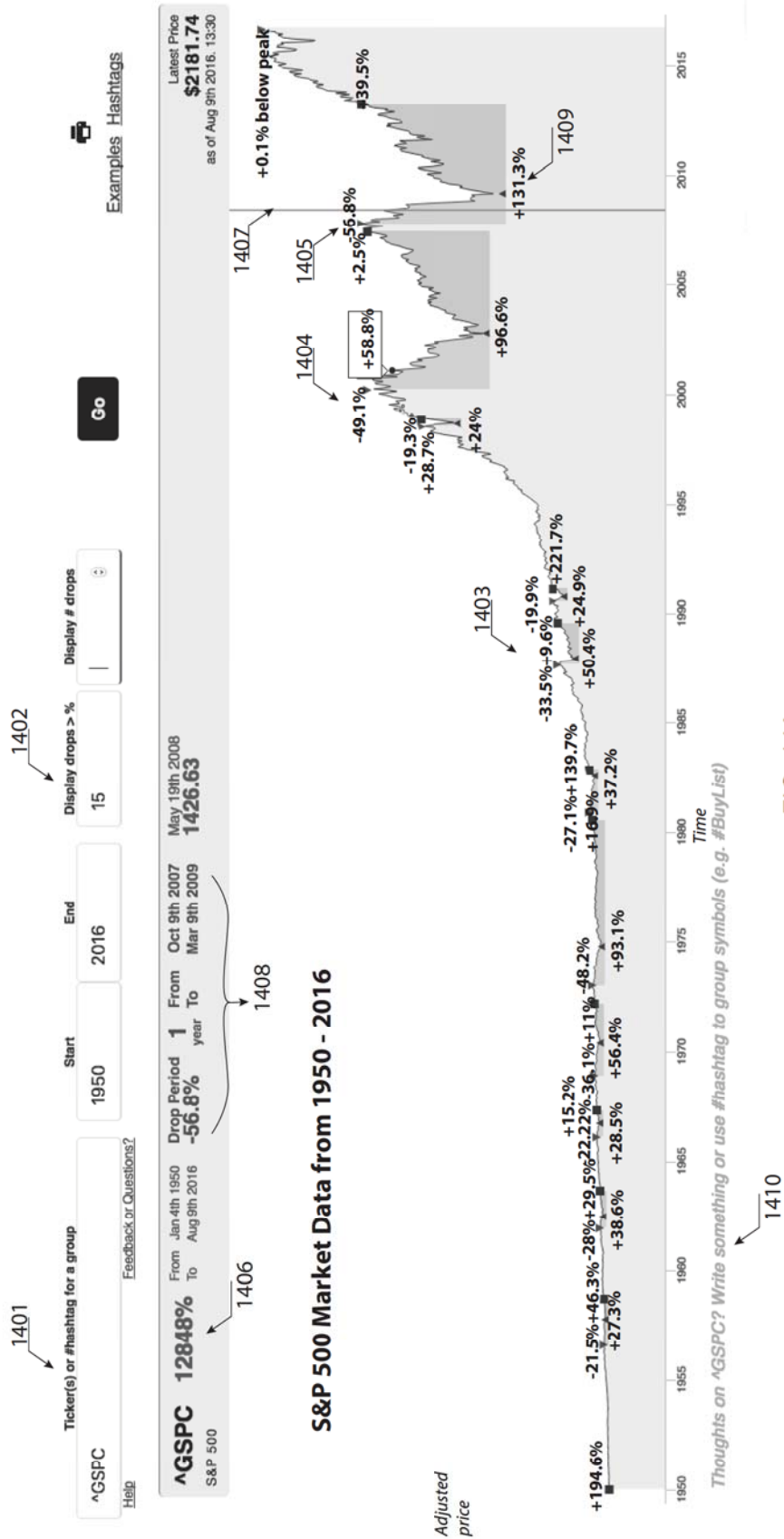


FIG. 14A

Ticker Box Options

Example:	Purpose:
?Real Estate	Searches for occurrences of "Real Estate" in categories names and investments names and provides the list.
SPY, AGG	Draws a total return (performance) chart of SPY & AGG on separate charts
AGG, -AGG	-AGG strips out the dividends & distributions and provides a Price Chart. This is what the normal charting tools like Yahoo Finance & Google Finance provide. This example draws the performance and price charts of AGG on separate charts.
(60 SPY 40 AGG)	Draws a combined portfolio (e.g. 60% SPY and 40% AGG). The first data point assumes \$60 is in SPY and \$40 in AGG. The growth of \$100 is plotted over time and dividends are assumed to be reinvested.
[SPY AGG]	Draws a relative value chart of SPY and AGG. Both are plotted on the same chart, each value starting with \$100, with dividends and distributions reinvested.
#Keyword	Finds and displays all charts with the #Keyword in the Note field of the chart. For example, if you entered #MyInvestments in the Note box for 5 of your personal investments, those 5 investments will be shown. Use this to create a #Watch, or #Buy, or any other combination.

FIG. 14C



FIG. 15

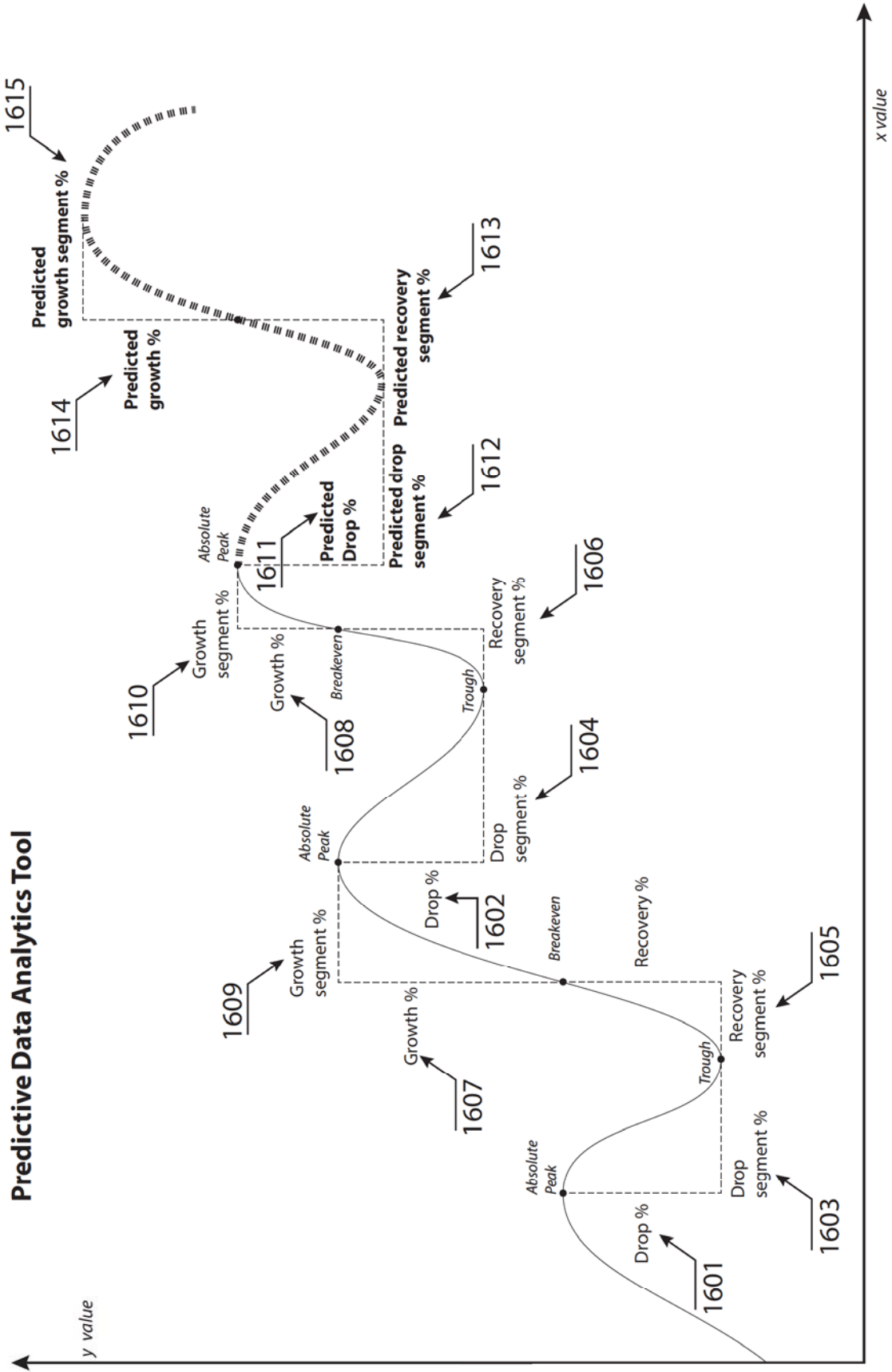


FIG. 16

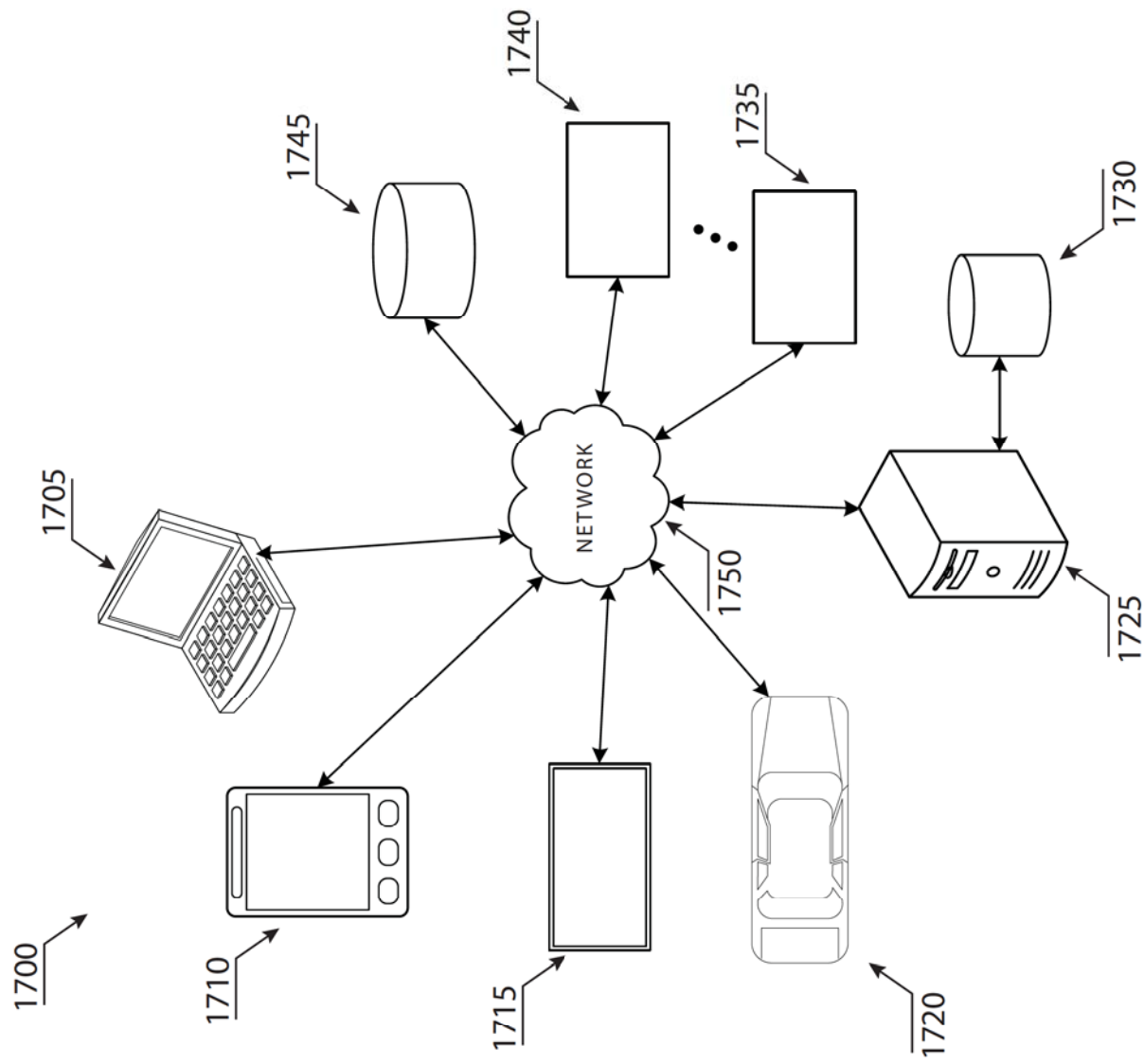


FIG. 17

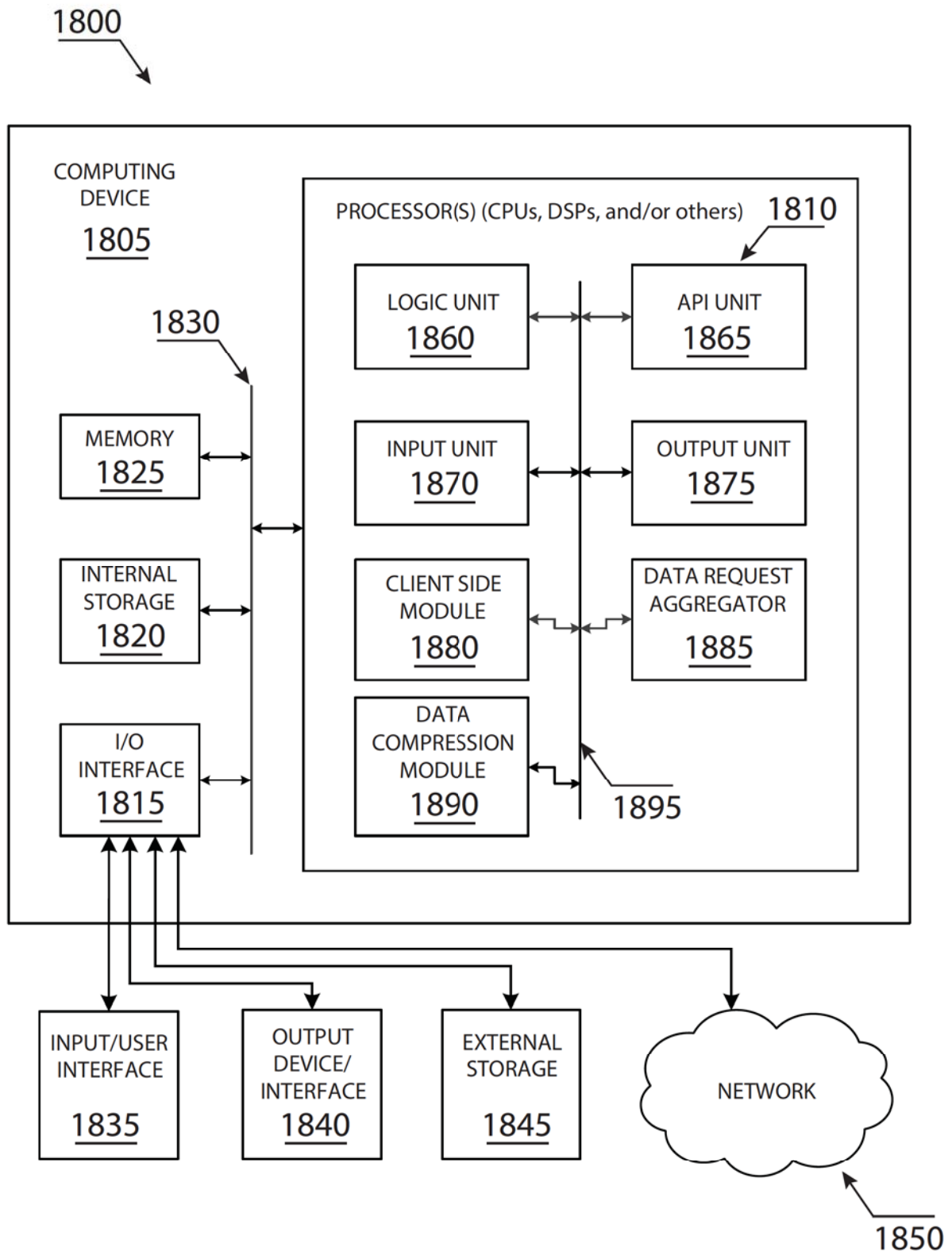


FIG. 18

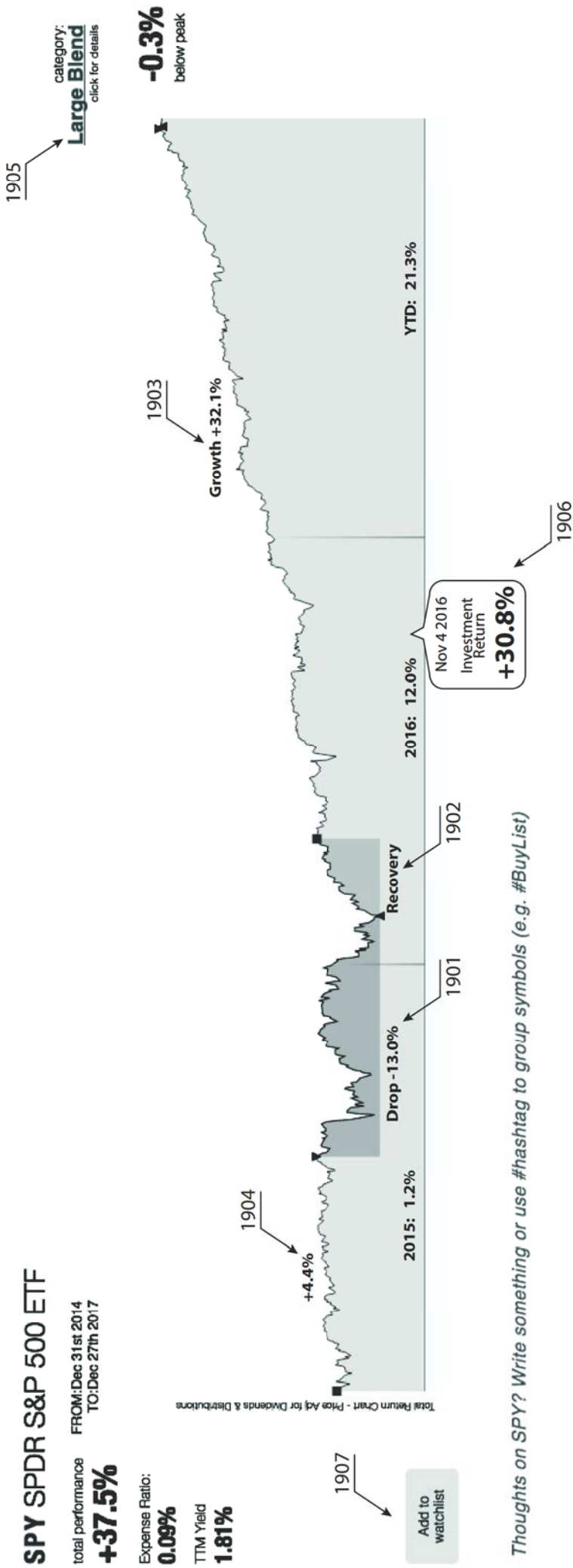




FIG. 20

total performance

TTM Yield



Highlighted Subsections:
Specialty REIT
Report January 10, 2017.

FIG. 21

Thoughts on SCHH? Write something or use #hashtag to group symbols (e.g. #BuyList)

Your Watchlist

Statistics as of Dec 01 2017

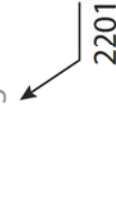
Category	YTD Return	1YR Return	6M Money Flow	Expense Ratio	1YR Status ▼
VTIP					
<u>Inflation-Protected Bond</u>	Vanguard Short-Term Infl-Plot Secs ETF				
	YTD Return	1YR Return	6M Money Flow	Expense Ratio	
	-0.9%	1.0%	\$3B	0.1%	 Dropping 
IEF					
<u>Long Government Bond</u>	iShares 7-10 Year Treasury Bond ETF				
	YTD Return	1YR Return	6M Money Flow	Expense Ratio	
	1.8%	2.9%	\$215M	0.2%	 Recovering
DBLTX					
<u>Intermediate-Term Bond</u>	DoubleLine Total Return Bond I				
	YTD Return	1YR Return	6M Money Flow	Expense Ratio	
	3.5%	3.8%	\$-666M	0.5%	 Recovering 
FVD					
<u>Large Value</u>	PowerShares S&P 500 Low Volatility ETF				
	YTD Return	1YR Return	6M Money Flow	Expense Ratio	
	11.5%	15.9%	\$351M	0.7%	 Stable within -3.7% last high 22 days ago click to show Chart 
NKTR					
<u>Health</u>	Nektar Therapeutics				
	YTD Return	1YR Return	6M Money Flow	Expense Ratio	
	389.0%	365.8%	-	-	 Growing 

FIG. 22