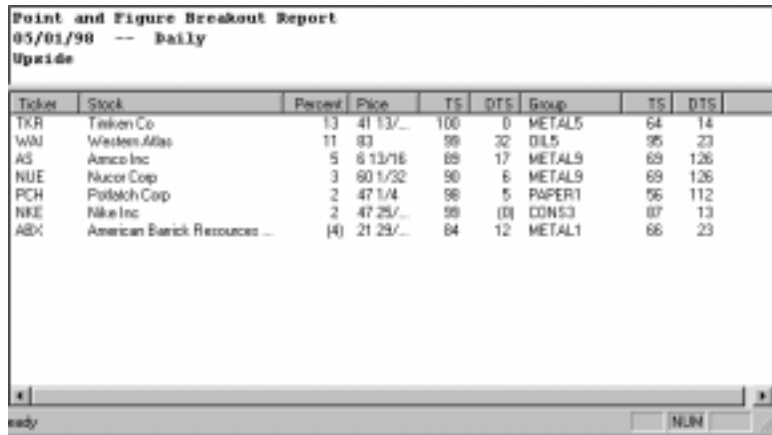


Point & Figure Breakout report

The Point & Figure charting technique is useful in spotting support and resistance levels. Under this technique, a buy signal occurs when the security breaks above a level that has acted as resistance at least twice before. Using Point & Figure terms, this report spots securities that are giving Triple Top buy and sell signals (see *Charting tools, Point & Figure*, in the Technical Indicators Reference Manual). The securities are sorted by % Chg, the price percentage change in the stock over a specified period of time. There are two versions of this report, Upside breakouts and Downside breakouts.



The screenshot shows a window titled "Point and Figure Breakout Report" with the date "05/01/98" and "Daily" settings. The report is for "Upside" breakouts. The data is presented in a table with the following columns: Ticker, Stock, Percent, Price, TS, DTS, Group, TS, and DTS. The data rows are as follows:

Ticker	Stock	Percent	Price	TS	DTS	Group	TS	DTS
TRR	Trilon Co	13	41 13/...	100	0	METALS	64	14
WAN	Western Atlas	11	83	99	32	DIL5	95	23
AS	Amco Inc	5	8 13/16	89	17	METALS	69	126
NIJ	Nucor Corp	3	60 1/32	90	6	METALS	69	126
PCH	Pollock Corp	2	47 1/4	98	5	PAPER1	56	112
NKE	Nike Inc	2	47 25/...	99	10	CONS	87	13
ABX	American Barick Resources ...	(4)	21 29/...	84	12	METAL1	66	23

Point & Figure Breakout report

Changeable Report Criteria:

Several parameters that directly affect the generation of this report may be changed with the *Report Properties* function on the sub-menu of *Reports* (see *Report Properties settings*, Section 3 of this chapter). These parameters are as follows:

Box Size, Reversal, and Months

These parameters correspond to the Point & Figure indicator constants that are changeable in *Charts*. (See *Point and Figure, How to determine appropriate settings*, Chapter I of the *Technical Indicators Reference Manual*.) The report settings are independent of the chart settings.

Search Box Number

The period of time searched for breakouts. Time is expressed in number of boxes and the default number is five boxes.

Group and sector reports

AIQ's group and sector reports provide an analysis of all the active groups and sectors in the user's data base. To help identify leading and lagging groups and sectors, the reports contain AIQ's unique trend indicators for each group and sector. Another special feature of the reports is a reading of how many of the stocks in each group or how many of the groups in each sector are registering Expert Rating buy or sell signals.

Group reports and sector reports are similar in format, the only difference being the data from which the reports are generated.

The explanations for reports that follow are applicable to both the daily and weekly versions. Information items in daily and weekly versions are identical. The only difference between the two is that daily data is used for the daily reports while weekly data is used for the weekly reports. Weekly versions use each week's high price, low price, and Friday's closing price in calculations. If a week does not end on a Friday, the reports are calculated from the closing price of the last market day of the week.

Each report includes specific criteria that can be modified by the user. The changeable criteria will be explained in the discussion of the report.

AIQ Trend Indicators

AIQ's two special trend indicators, Trend Score and Delta Trend Score, appear on all group and sector reports. These indicators are explained below.

Trend Score (TS)

Trend Score is an extremely useful indication of the overall technical strength or weakness of each group or sector. It is derived from six technical indicators (MACD, Directional Movement, ADXR, Positive Volume, Volume Accumulation, and On Balance Volume). Trend Score is designed to give a quantitative measure of the current trend of these indicators.

Note

The constants for the six indicators contained in Trend Score can be modified using *Global Properties* (see *Global Properties settings* in Section 3 of this chapter). A different set of Trend Score constants may be used for groups and for sectors.

A special expert system computes the Trend Score from the values of the six indicators. The indicators are all trend-following and the expert system consists entirely of trend-following rules. Trend Score values are similar to Expert Ratings in that they range between plus and minus 100, with large positive values indicating an uptrend and large negative values a downtrend.

Delta Trend Score (DTS)

Delta Trend Score measures the rate of change in the Trend Score from the previous day's value. A large DTS value can be an indication of significant change and is often an early sign of improving technical conditions.

Trend Score ————— Delta Trend Score

Group Analysis Report
05/01/98 --- Daily

Tickr	Group	TS	DTS	run	up%	dn%	ind	dir	dir
MEDIA3	Media (Cable Television)	100	0	28	32	42	80	89	60
COMP3	Computer (Local Networks)	100	1	43	23	11	95	67	53
OIL3	Oil & Gas (Machinery and Eq..)	100	17	16	18	43	62	75	68
BUILD2	Building, A/C & Heating Prod..	100	1	12	33	33	90	66	41
COMP4	Computer (Mainframes)	100	0	4	0	75	75	25	50
COMP11	Computer (Software/Games)	99	2	14	21	28	57	71	57
RETAIL16	Retail (Wholesale Food)	99	6	15	46	20	53	66	53
OIL1	Oil and Gas (Drilling)	99	32	17	23	41	76	82	88
LEISURE3	Leisure (Movies)	99	2	35	37	20	62	57	48
FOOD5	Food (Dairy Products)	99	2	11	45	27	63	54	54
POLLUTE1	Pollution Control (Equipment)	99	32	27	40	27	91	70	54
OIL7	Oil & Gas (International Spec..)	99	1	13	46	38	53	76	84
ENGINE1	Engineering/Plac & Dev Servi..	99	4	14	35	28	42	50	57
MEDIC11	Medical (Wholesale Drug & S..)	98	18	17	17	29	47	94	64
COMP2	Computer (Integrated Systems)	98	11	71	25	23	42	69	53
OFFICE2	Office (Supplies)	97	5	23	21	43	47	60	52
RETAIL1	Retail (Apparel and Shoes)	97	10	49	20	26	53	77	61
FOOD6	Food (Flour and Grain)	96	29	9	66	0	44	88	44
COMP1	Computer (Business Methods)	96	10	14	17	30	61	69	61

Group Report

Daily/weekly group reports

The Group Analysis report together with the Sector Analysis report are the most powerful of AIQ's group and sector reports. You can quickly see the internal rotation of the market by examining which industry groups and sectors are at the top of the rankings and which groups and sectors are lagging. The reports are also useful in helping to spot emerging groups and sectors.

Group Analysis report

In addition to studying the overall ranking of groups in the Group Analysis report, you can see group rotation by watching the movement of Trend Score and Delta Trend Score (DTS). Stock participation in those moves is seen in the values of *mdo* (the percentage of stocks with increasing MACD Oscillator), *dmi* (the percentage of stocks with increasing Directional Movement), and *mfo* (the percentage of stocks with an increasing Money Flow Oscillator).

Group rotation to the upside is usually shown by a combination of high readings from these data items:

- high *DTS* (Delta Trend Score)
- high *mdo*, *dmi*, and *mfo* readings
- *up%* (percentage of stocks in a group with high upside Expert Rating signals)

The opposite is true for downside rotation.

Group Analysis Report
05/01/98 -- Daily

Ticker	Group	TS	DTS	num	up%	dnc%	mdo	dmi	mfo
MEDIA3	Media (Cable Television)	100	0	28	32	42	60	89	60
COMP3	Computer (Local Networks)	100	1	43	23	11	95	67	53
OIL3	Oil & Gas (Machinery and Eq...	100	17	16	18	43	62	75	68
BUILD2	Building, A/C & Heating Prod...	100	1	12	33	33	90	66	41
COMP4	Computer (Mainframes)	100	0	4	0	75	75	25	50
COMP11	Computer (Software/Games)	99	2	14	21	28	57	71	57
RETAIL6	Retail (Wholesale Food)	99	6	15	46	20	53	66	53
OIL1	Oil and Gas (Drilling)	99	32	17	23	41	76	82	88
LEISURE3	Leisure (Movies)	99	2	35	37	20	62	57	48
FOOD5	Food (Dairy Products)	99	2	11	45	27	63	54	54
POLLUTE1	Pollution Control (Equipment)	99	32	37	40	27	91	70	54
OIL7	Oil & Gas (International Spec...	99	1	13	46	38	53	76	84
ENGINE1	Engineering/Plas & Dev Servi...	98	4	14	35	28	42	50	57
MEDIC11	Medical (Wholesale Drug & S...	98	18	17	17	29	47	94	64
COMP2	Computer (Integrated Systems)	98	11	71	25	23	42	69	53
OFFICE2	Office (Supplies)	97	5	23	21	43	47	60	52
RETAIL1	Retail (Apparel and Shoes)	97	10	49	20	26	53	77	61
FOOD6	Food (Flour and Grain)	96	29	9	66	0	44	88	44
...	...	96	19	14	11	30	61	91	61

Group Analysis report

Note

When viewing a report on screen, click the arrows on the scroll bar of the report to see all listings.

Three statistics appear at the top of the Group Analysis report. These statistics summarize the overall activity of the industry groups in the report. An explanation of these three statistics follows.

Score

Score is a trend indicator representative of the general market derived from group information. This indicator is a composite of all the Trend Score (*TS*) values listed in the report. The first number is the percentage of *TS* values that are positive (up); the second number is the percentage of *TS* values that are negative (down).

Delta

Like Score, this item summarizes the information contained in the main body of the report. Delta is a composite of all the Delta Trend Score (*DTS*) values listed in the report, with the first number showing the percentage of values that are positive and the second number the percentage that are negative.

Ave Delta

The third set of values is Average Delta, which is an average of all the positive and all the negative *DTS* values. These figures represent the average change in the trend from the previous day.

Data items on the Group Analysis report

The data items listed in the columns of the Group Analysis report are discussed below.

Symbol

The ticker symbol that represents the group.

Group

The name of the industry group.

TS (Trend Score)

See *AIQ Trend Indicators* (above).

DTS (Delta Trend Score)

See *AIQ Trend Indicators* (above).

num: number of stocks in each group

This is the number of active stocks used in the computation of the industry group.

Note

The minimum upside and downside values for Expert Ratings and the search time period may be adjusted for both the *up%* and *dn%* data fields. See *Changeable Report Criteria*.

up%: percentage of stocks with high upside Expert Ratings

This is the percentage of the stocks in the group that have registered recent high upside Expert Ratings.

dn%: percentage of stocks with high downside Expert Ratings

This is the percentage of the stocks in the group that have registered recent high downside Expert Ratings.

mdo: percentage of stocks with increasing MACD Oscillator

The percentage applies to all stocks in the group. A value of 50, for example, indicates that 50% of the stocks in the group have an increasing MACD Oscillator..

dmi: percentage of stocks with increasing Directional Movement

The percentage applies to all stocks in the group. A value of 50, for example, indicates that 50% of the stocks have increasing Directional Movement.

mfo: percentage of stocks with increasing Money Flow Oscillator

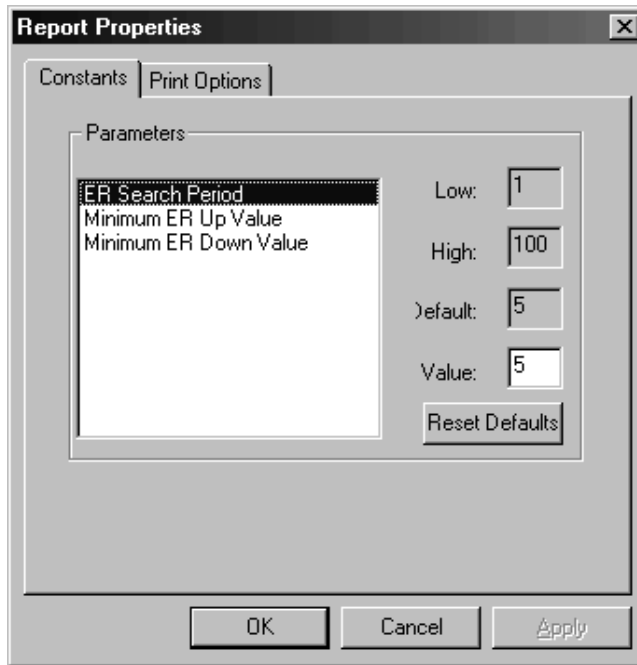
The percentage applies to all stocks in the group. A value of 50, for example, indicates that 50% of the stocks have an increasing Money flow Oscillator.

Changeable Report Criteria

Three parameters that directly affect the Group Analysis report may be changed by the user with the *Report Properties* function on the sub-menu of *Reports* (see *Report Properties settings*, Section 3 of this chapter). The parameters are used in the computation of the *up%* and *dn%* data items.

Reminder...

You can restore all constants to their default settings. Click the **Restore Defaults** command on the *Constants* tab of the *Report Properties* dialog box.



*Report Properties/Constants
for Group Analysis Report*

The three changeable parameters for the Group Analysis report are:

ER Search Period

The value entered here determines how many days back the system looks to find a high Expert Rating (ER) value for the up% and dn% calculations.

Minimum ER Up Value

This value determines the minimum ER that is included in the up% category.

Minimum ER Down Value

This value determines the minimum ER that is included in the dn% category.

Return on Investment report (weekly only)

The Return on Investment report lists the percentage return of all the groups in the user's data base for several time periods: 1 month, 3 month, 6 month, 9 month, and 1 year. Groups are sorted based on their 1 month performance, and their 1 month return. The report provides a quick review of the groups that are showing the greatest current strength.

This report has no changeable constants.

Ticker	Group	1Mh	3Mh	6Mh	9Mh	12Mh
COMP11	Computer (Software/Games)	29	70	54	54	145
CONS4	Toys (Apparel Manufacturing)	18	60	118	418	563
BUILD2	Building, A/C & Heating Prod...	14	26	19	14	25
BUILD6	Building (Heavy Construction)	14	27	23	18	61
FINAN12	Financial Services (Miscellan...	13	37	39	58	90
FINAN1	Finance (Consumer Loans)	12	38	28	41	75
COMP10	Computer (Software)	10	53	63	107	165
COMP4	Computer (Peripherals)	10	15	24	58	143
COMP9	Computer (Services)	9	25	44	56	102
CONS1	Consumer Products (Miscella...	9	23	26	38	71
BUILD7	Building (Maintenance & Serv...	8	10	13	37	64
CONS3	Shoes and Related Apparel	8	25	20	22	39
COMP6	Computer (Mini/Micro)	7	24	28	36	79
COMP5	Computer (Memory Devices)	7	20	11	15	29
FOOD3	Food (Canned)	7	15	26	39	73
AER01	Aerospace/Defense	6	23	25	43	80
BUILD3	Building (Cement, Concrete, ...	4	23	26	37	72
COMP2	Computer (Integrated Systems)	4	21	18	40	63
FINAN4	Finance (Investment Manage...	4	42	54	269	618
CONS2	Consumer (Personal Care)	4	71	78	78	64

Return on Investment report

New Highs/New Lows report

This report is identical to the New Highs/New Lows report for stocks.

The New Highs/New Lows report lists groups that have moved to new high or low prices. Investors who prefer to buy into a trend like to examine these situations for upside or downside breakouts.

This report has two versions. The first version lists groups that have reached new high prices over a recent time period. The second version lists groups that have reached new low prices.

Changeable Report Criteria

See *New Highs/New Lows report* under *Daily/Weekly Stock Reports*.

Group Price Change-Upside report

The Price Change-Upside report ranks groups by price percentage gain over a given time period. This is a helpful report for users who want a list of strong performing groups.

The report has two versions. The first version lists groups with the biggest percentage gain over a Short Term time period and the second version lists groups with large percentage gains over a Long Term period.

Group Upside Price Change Report
03/01/98 -- Daily

Ticker	Group	Percent	TS	DTS	Sector
FOOD5	Food (Dry Products)	223	99	2	FOOD...
COMP11	Computer (Software/Games)	35	99	2	COMP...
LEISURE3	Leisure (Movies)	18	99	2	LEISU...
METAL1	Metal Ores (Gold)	14	66	23	METALS
MEDIA3	Media (Cable Television)	13	100	0	MEDIA...
BUILD6	Building (Heavy Construction)	13	85	5	BUILD...
RETAIL16	Retail (Wholesale Food)	11	99	6	RETAIL
OIL9	Oil & Gas (Machinery and Equipment)	10	100	17	OIL&G...
COMP6	Computer (Mini-Micro)	10	86	2	COMP...
MEDIA2	Media (Books)	10	52	(1)	MEDIA...
COMP4	Computer (Mainframes)	9	100	0	COMP...
OIL7	Oil & Gas (International Specialty)	9	98	1	OIL&G...
CONS4	Textile (Apparel Manufacturing)	9	95	8	CONS...
COMP9	Computer (Services)	9	96	1	COMP...
RETAIL2	Retail (Consumer Electronics)	8	85	13	RETAIL
OIL5	Oil and Gas (Field Services)	8	95	23	OIL&G...
ENGINE1	Engineering/Res & Dev Services	7	98	4	ENGIN...
MEDIC3	Medical (Outpatient and Home Care)	7	76	23	MEDIC...
TELE2	Telecommunications (Equipment)	7	94	3	TELEC...
OIL1	Oil and Gas (Refined)	7	99	12	OIL&G...

Group Price Change-Upside

Data items

The data items listed in the columns of the Price Change-Upside report are discussed below.

Symbol

The ticker symbol that represents the group.

Group

The name of the industry group.

Percent

Percentage change values.

TS (Trend Score)

See *AIQ Trend Indicators*.

DTS (Delta Trend Score)

See *AIQ Trend Indicators*.

Last column

The symbol of the group's parent sector.

Changeable Report Criteria

Two settings for the Group Price Change-Upside report may be changed by the user with the *Report Properties* function on the sub-menu of *Reports* (see *Report Properties settings*, Section 3 of this chapter). The two settings are as follows:

Price Change- Short

This item determines the time period used in the *Percent* change calculations for the Short Term.

Price Change - Long

This item determines the time period used in the *Percent* change calculations for the Long Term.

Reminder...

The documentation for each report is applicable to both the daily and weekly version of the report.

Group Price Change-Downside report

The Price Change-Downside report ranks groups by price percentage loss over a given time period. This is a helpful report for users who want a list of poor performing groups.

The first version of the report lists the groups with the largest percentage loss over a Short Term time period and the second version lists groups with large percentage losses over a Long Term time period.

Group Downside Price Change Report
07/20/98 -- Daily
Short Term

Ticker	Group	Percent	TS	OTE	Sector	SECCode
SERVICE	Service (Utilities & Environmental)	(37)	36	1	UTIL	
AGRICULT	Agriculture Products	(35)	(65)	(3)	MECH	
ENGINEER	Engineering & Construction	(11)	(61)	(5)	ENGL	
TEXTILEH	Textile (Home Furnishings)	(35)	(52)	4	CONSU	
OIL&GASD	Oil & Gas (Drilling & Equipment)	(35)	(45)	(6)	OILS	
OIL&GASU	Oil Exploration & Production	(5)	(42)	(7)	OILS	
ELECTRONC	Electronics (Component Fabricators)	(5)	(39)	(1)	ELECT	
GAMBLING	Gaming, Lottery & Amusement Cos.	(5)	(37)	1	LEISR	
HOUSEHOLD	Household Furn. & Appliances	(5)	(33)	(1)	HOUSE	
HEALTHCARE	Health Care (Managed Care)	(7)	(34)	9	HEALT	
CONSUMER	Consumer (Pharmaceuticals)	(5)	36	1	MECH	
INDUSTRIAL	Oil (Domestic Integrated)	(5)	(35)	4	OILS	
TRUCKERS	Trucking	(5)	(34)	21	TRANSP	
COMMERCE	Oil (International Integrated)	(7)	(36)	(3)	OILS	
CHEMICALD	Chemicals (Diversified)	(4)	73	(1)	CHEM	
PUBLISHING	Publishing (Diversified)	(4)	(66)	(3)	MECH	
CHEMICALU	Chemicals	(4)	(55)	(5)	CHEM	
AIRLINEA	Airlines	(4)	(30)	(3)	TRANSP	
TEXTILEA	Textile (Apparel)	(4)	(52)	(6)	CONSU	
MANUFACTG	Manufacturing (Specialized)	(4)	(40)	24	ENGL	
INDUSTRIE	Iron & Steel	(4)	(51)	(1)	METAL	
MANUFACTD	Manufacturing (Diversified)	(3)	24	(5)	ENGL	
FOOD&BEV	Food	(3)	(64)	(1)	FOODS	
ELECTRONI	Electronics (Automated)	(3)	30	(6)	ELECT	
NATURALG	Natural Gas	(3)	38	(1)	UTIL	
RETAILR	Retail (Specialty)	(3)	12	24	RETAI	

Group Price Change-Downside

Data items

The data items listed in the columns of the Price Change-Downside report are discussed below.

Symbol

The ticker symbol that represents the group.

Group

The name of the industry group.

Percent

Percentage change values.

TS (Trend Score)

See *AIQ Trend Indicators*.

DTS (Delta Trend Score)

See *AIQ Trend Indicators*.

Last column

The symbol of the group's parent sector.

Changeable Report Criteria

Two settings for the Group Price Change-Upside report may be changed by the user with the *Report Properties* function on the sub-menu of *Reports* (see *Report Properties settings*, Section 3 of this chapter). The two settings are as follows:

Price Change- Short

Price Change-Short determines the time period used in the *Percent* change calculations for the Short Term.

Price Change - Long

Price Change-Long determines the time period used in the *Percent* change calculations for the Long Term.

Persistence of Money Flow (daily only)

This report is identical to the Persistence of Money Flow report for stocks.

This report, which is a direct result of a talk given by Marc Chaikin at an AIQ seminar, is primarily used to find attractive groups for an intermediate-term time frame. Chaikin's studies showed that groups making the strongest advances have very positive Volume Accumulation (VA Pct indicator) readings before most of the advance takes place. Not only must VA Pct be positive but it must be positive for a long period of time.

To increase the flexibility of the report, the On-Balance Volume Percentage (OBV Pct) indicator can be substituted for VA Pct or the two indicators can be combined and weighted according to your preference.

Changeable Report Criteria

See *Persistence of Money Flow report* under *Stock Reports*.

Price Volume Divergence report

This report is identical to the Price Volume Divergence report for stocks.

An integral part of technical analysis is divergence analysis. A positive divergence occurs when the price of a group moves lower at the same time that the security's technical indicators move higher. Since the indicators often lead price action, a positive divergence is a bullish sign. The opposite is true for a negative divergence.

The indicators used in AIQ's Price Volume Divergence report are Money Flow and On Balance Volume. These two indicators were chosen because both price and volume are used in their calculations.

The report has two versions. The first version shows positive divergences while the second version shows negative divergences. In addition to the common data items found on all group reports, the Price Volume Divergence report lists a weight for each group. The weight is expressed as a number between 99 and 0, with 99 representing the group with the largest divergence.

Changeable Report Criteria

See *Price Volume Divergence report* under *Stock Reports*.

Volume Spike report (daily only)

This report is identical to the Volume Spike report for stocks.

Many traders like to examine groups with volume spikes. A volume spike occurs when volume on a particular day is well above the normal range. This often happens when there is a big news event, if corporate insiders undertake heavy buying or selling of shares, or if a large investor is accumulating a stock. A volume spike does not indicate the direction of a move but it does indicate that a move may occur in the near-term.

The Volume Spike report ranks groups by the magnitude of the spike. Magnitude is measured in terms of the percentage increase in volume above the average. The group with the greatest percentage increase appears at the top of the report.

Changeable Report Criteria

See *Volume Spike report* under *Daily/Weekly Stock Reports*.

Volume Trend report (daily only)

This report is identical to the Volume Trend report for stocks.

Volume is said to be the fuel that sustains rallies. Conversely, for a downtrending group, heavy volume is bearish. The Volume Trend report allows you to screen for groups with increasing trends in volume.

To find increasing trends, the Volume Trend report looks at the percentage change in volume. The percentage change is computed by comparing average volume over a short-term time period to a longer-term moving average of volume.

Changeable Report Criteria

See *Volume Trend report* under *Daily/Weekly Stock Reports*.

Moving Average Crossover-Upside report

This report is identical to the Moving Average Crossover-Upside report for stocks.

Some analysts use moving average crossovers as buy and sell points for groups. In such cases, a group that rises above its moving average warrants further analysis. The Moving Average Crossover-Upside report identifies groups that have risen above their moving averages over a specified time period.

There are two versions of this report. The first version lists groups that rose above a Short Term moving average and the second version lists groups that rose above a Long Term moving average. There are no data items in this report other than the data items common to all group reports.

Changeable Report Criteria

See *Moving Average Crossover-Upside report* under *Daily/Weekly Stock Reports*.

Moving Average Crossover-Downside report

This report is identical to the Moving Average Crossover-Downside report for stocks.

Many analysts use moving averages to determine the trend of a group. A group that is above its moving average is said to be in an uptrend. If the group falls below its moving average, then the trend is in doubt. The Moving Average Crossover - Downside report identifies groups that have fallen below their moving averages over a specified time period.

There are two versions of this report. The first version lists groups that fell below a Short Term moving average. The second version lists groups that dropped below a Long Term moving average. There are no data items in this report other than the data items common to all group reports.

Changeable Report Criteria

See *Moving Average Crossover-Downside report* under *Daily/Weekly Stock Reports*.

Crossover of Two Moving Averages

This report is identical to the Crossover of Two Moving Averages report for stocks.

Moving averages play an important role in technical analysis. Because a moving average smoothes several days of data, the day to day fluctuations are removed. Without this “noise,” it becomes easier to see the overall trend.

This report calculates two moving averages for each group analyzed— a short -term and a long-term moving average. The group is in an uptrend when the short-term moving average rises above the long-term moving average. As the group begins to fall, its short-term moving average will cross below its long-term moving average signaling the beginning of a downtrend.

The first version of this report lists the groups whose short-term moving averages have risen above the long-term moving averages. The second version of the report lists those groups whose short-term moving averages have fallen below the long-term moving averages.

Changeable Report Criteria

See Crossover of Two Moving Averages report under Daily/Weekly Stock Reports.

Moving Average Status-Upside report

This report is identical to the Moving Average Status-Upside report for stocks.

The Moving Average Status-Upside report is a list of groups in the data base that have remained above a specific moving average for a specific period of time. This report is not one that most users would look at daily since the information is of periodic interest. It is intended to provide a review of those groups that are in prolonged uptrends.

The report has two versions. The first version lists groups that are above their Short Term moving averages and the second version lists groups that are above their Long Term moving averages.

In addition to the common data items found on all group reports, the Moving Average Status-Upside report includes the percent that each group is below its moving average. Groups on the report are ranked by the percentage difference between price and the moving average.

Changeable Report Criteria

See *Moving Average Status-Upside report* under *Daily/Weekly Stock Reports*.

Moving Average Status-Downside report

This report is identical to the Moving Average Status-Downside report for stocks.

The Moving Average Status-Downside report is a list of groups in the data base that have remained below a specific moving average for a specific period of time. Like the upside report, this report is not one that most users would look at daily since the information is of periodic interest. It is intended to provide a review of those groups that are in prolonged downtrends.

The report has two versions. The first version lists groups that are below their Short Term moving averages. The second version lists groups that are below their Long Term moving averages.

In addition to the common data items found on all group reports, the Moving Average Status-Downside report includes the percent that each group is below its moving average. Groups on the report are ranked by the percentage difference between price and the moving average.

Changeable Report Criteria

See *Moving Average Status-Downside* report under *Daily/Weekly Stock Reports*.

Point & Figure Breakout report

This report is identical to the Point and Figure Breakout report for stocks.

The Point & Figure charting technique is useful in spotting support and resistance levels. Under this technique, a buy signal occurs when the group breaks above a level that has acted as resistance at least twice before. Using Point & Figure terms, this report spots groups that are giving Triple Top buy and sell signals (see *Charting tools, Point & Figure* in the Technical Indicators Reference Manual).

The groups are sorted by % *Chg*, the price percentage change in the group over a specified period of time.

Changeable Report Criteria

See *Point and Figure Breakout* report under *Daily/Weekly Stock Reports*.

Daily/weekly sector reports

The Sector Analysis report together with the Group Analysis report are the most powerful of AIQ's group and sector reports. You can quickly see the internal rotation of the market by examining which industry groups and sectors are at the top of the rankings and which groups and sectors are lagging. The reports are also useful in helping to spot emerging groups and sectors.

Sector Analysis report

Reminder...

The documentation for each report is applicable to both the daily and weekly version of the report.

In addition to studying the overall ranking of sectors in the Sector Analysis report, you can see sector rotation by watching the movement of Trend Score and Delta Trend Score (DTS). Group participation in those moves is seen in the values of *mdo* (the percentage of groups with increasing MACD Oscillator), *dmi* (the percentage of groups with increasing Directional Movement), and *mfo* (the percentage of groups with an increasing Money Flow Oscillator).

Sector rotation to the upside is usually shown by a combination of high readings from these data items:

- high *DTS*
- high *mdo*, *dmi*, and *mfo* readings
- *up%* (percentage of groups in a sector with high upside Expert Rating signals)

The opposite is true for downside rotation.

Sector Analysis Report										
05/01/98 -- Daily										
Ticker	Sector	TS	DTS	num	up%	dn%	mdo	dmi	mfo	
LEISURE	Leisure Sector	31	21	7	42	28	28	85	42	
AUTOMOB	Automobile Sector	99	24	5	20	0	0	80	60	
COMPUTER	Computer Sector	86	8	11	9	45	45	54	36	
CONSUMER	Consumer Sector	82	15	5	0	40	40	80	80	
FOOD&BEV	Food Sector	79	4	9	11	33	44	1...	33	
MEDIA	Media Sector	76	21	6	16	16	33	1...	83	
AEROSPACE	Aerospace/Defense Sector	75	14	2	0	0	0	1...	0	
OIL&GAS	Oil and Gas Sector	71	33	12	25	41	58	1...	83	
TELECOMM	Telecommunications Sector	71	17	3	0	1...	33	68	33	
FINANCE	Finance Sector	69	20	12	8	16	16	1...	50	
RETAIL	Retail Sector	67	29	18	11	33	22	88	66	
MISCELLA	Miscellaneous Sector	66	11	26	3	50	11	80	65	
BANKING	Banking Sector	95	124	8	25	62	0	1...	37	
METALS	Metal Sector	54	87	10	40	20	30	90	50	
UTILITY	Utility Sector	54	120	4	0	0	25	1...	75	
INSURE	Insurance Sector	54	117	6	0	66	0	1...	66	
BUILDING	Building Sector	50	105	10	20	30	30	1...	50	
HOUSEHLD	Household Sector	49	89	4	0	25	25	75	25	
MEDICAL	Medical Sector	36	90	12	33	33	58	51	75	
TRANS	Transportation Sector	(47)	24	7	0	28	28	85	47	

Sector Analysis report

Three statistics appear at the top of the Sector Analysis report. These statistics summarize the overall activity of the industry sectors in the report. An explanation of these three statistics follows.

Score

Score is a trend indicator representative of the general market derived from sector information. This indicator is a composite of all the Trend Score (*TS*) values listed in the report. The first number is the percentage of *TS* values that are positive (up); the second number is the percentage of *TS* values that are negative (down).

Note

When viewing a report on screen, click the arrows on the scroll bar of the report to see all listings in the report.

Delta

Like Score, this item summarizes the information contained in the main body of the report. Delta is a composite of all the Delta Trend Score (*DTS*) values listed in the report, with the first number showing the percentage of values that are positive and the second number the percentage that are negative.

Ave Delta

The third set of values is Average Delta, which is an average of all the positive and all the negative *DTS* values. These figures represent the average change in the trend from the previous day.

Data items on the Sector Analysis report

The data items listed in the columns of the Sector Analysis report are discussed below.

Symbol

The ticker symbol that represents the sector.

Sector

The name of the industry sector.

TS (Trend Score)

See *AIQ Trend Indicators*.

DTS (Delta Trend Score)

See *AIQ Trend Indicators*.

num: number of groups in each sector

This is the number of active groups used in the computation of the industry sector.

Note

The minimum upside and downside values for Expert Ratings and the search time period may be adjusted for both the *up%* and *dn%* data fields. See *Changeable Report Criteria* below.

up%: percentage of groups with high upside Expert Ratings

This is the percentage of the groups in the sector that have registered recent high upside Expert Ratings.

dn%: percentage of groups with high downside Expert Ratings

This is the percentage of the groups in the sector that have registered recent high downside Expert Ratings.

mdo: percentage of groups with increasing MACD Oscillator

The percentage applies to all groups in the sector. A value of 50, for example, indicates that 50% of the groups have an increasing MACD Oscillator..

dmi: percentage of groups with increasing Directional Movement

The percentage applies to all groups in the sector. A value of 50, for example, indicates that 50% of the groups have increasing Directional Movement.

mfo: percentage of groups with increasing Money Flow Oscillator

The percentage applies to all groups in the sector. A value of 50, for example, indicates that 50% of the groups have an increasing Money flow Oscillator.

Changeable Report Criteria

Three parameters for the Sector Analysis report may be changed by the user with the *Report Properties* function on the sub-menu of *Reports* (see *Report Properties settings*, Section 3 of this chapter). The parameters are used in the computation of the *up%* and *dn%* data items. The three parameters are:

ER Search Period

The value entered here determines how many days back the system looks to find a high Expert Rating (ER) value for the *up%* and *dn%* calculations.

Minimum ER Up Value

This value determines the minimum ER that is included in the *up%* category.

Minimum ER Down Value

This value determines the minimum ER that is included in the *dn%* category.

Return on Investment report (weekly only)

This report is identical to the Return on Investment report for groups.

The Return on Investment report lists the percentage return of all the sectors in the user's data base for several time periods: 1 month, 3 month, 6 month, 9 month, and 1 year. The sectors are sorted based on their 1 month performance, and their 1 month return. The report provides a quick review of the sectors that are showing the greatest current strength.

The report has no changeable constants.

New Highs/New Lows report

This report is identical to the New Highs/New Lows report for stocks.

The New Highs/New Lows report lists sectors that have moved to new high or low prices. Investors who prefer to buy into a trend like to examine these situations for upside or downside breakouts.

This report has two versions. The first version lists sectors that have reached new high prices over a recent time period. The second version lists sectors that have reached new low prices.

Changeable Report Criteria

See *New Highs/New Lows report* under *Daily/Weekly Stock Reports*.