

***Market Outlook Considerations
Chart Book, Week Beginning
September 2, 2019***

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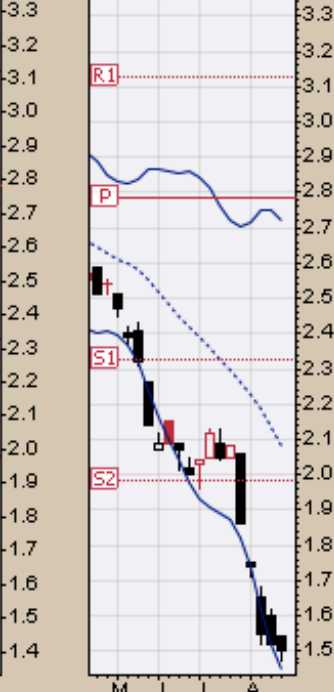
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***\$UST10Y – 10 Year US Treasury Yield
Weekly, Daily and Monthly Charts***

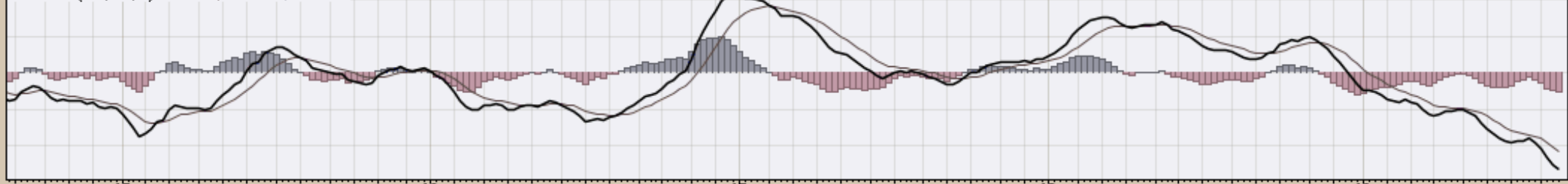
RSI(14) 18.14

CHART A1. \$UST10Y - 10-YEAR US TREASURY YIELD, WEEKLY CHART

\$UST10Y (Weekly) 1.50
 BB(20,2,0) 1.44 - 2.08 - 2.72
 PIVOTS 1.98, 2.33, 2.78, 3.13, 3.58
 Volume undef

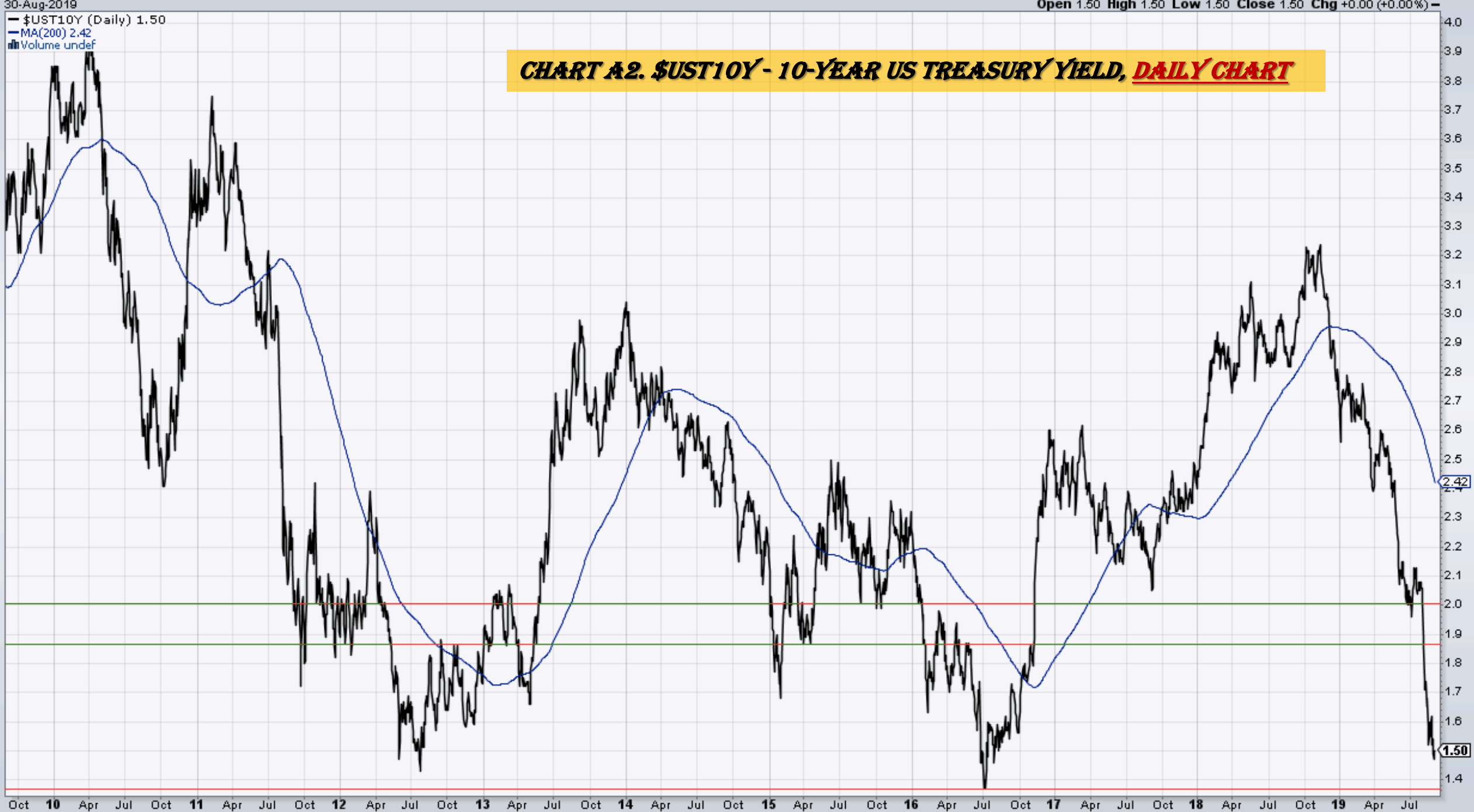


MACD(12,26,9) -0.265, -0.215, -0.051



30-Aug-2019
-\$UST10Y (Daily) 1.50
-MA(200) 2.42
Volume undef

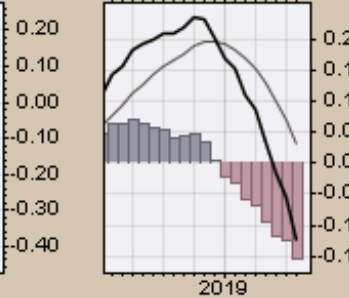
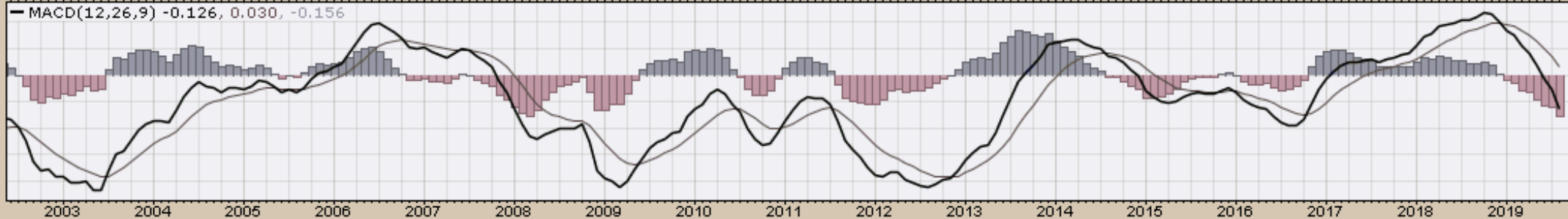
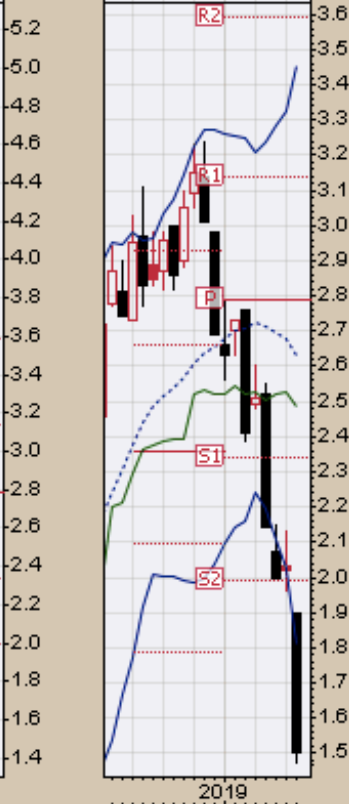
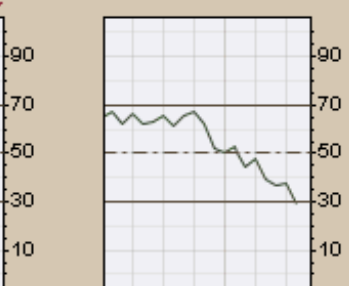
CHART A2. \$UST10Y - 10-YEAR US TREASURY YIELD, DAILY CHART



RSI(14) 29.62

CHART A3. \$UST10Y - 10-YEAR US TREASURY YIELD, MONTHLY CHART

\$UST10Y (Monthly) 1.50
 BB(20,2.0) 1.81 - 2.63 - 3.45
 PIVOTS 1.99, 2.34, 2.79, 3.14, 3.59
 CHANDLR(22,3.0) 2.49
 Volume undef



— \$UST10Y (Monthly) 1.50
— MA(200) 3.12



CHART A4. \$UST10Y - 10-YEAR US TREASURY YIELD, MONTHLY CHART

US Dollar Index
Weekly, Daily and Monthly Charts

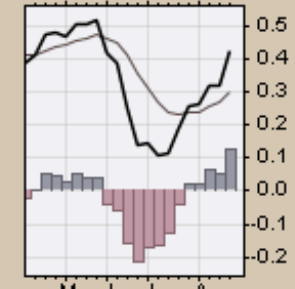
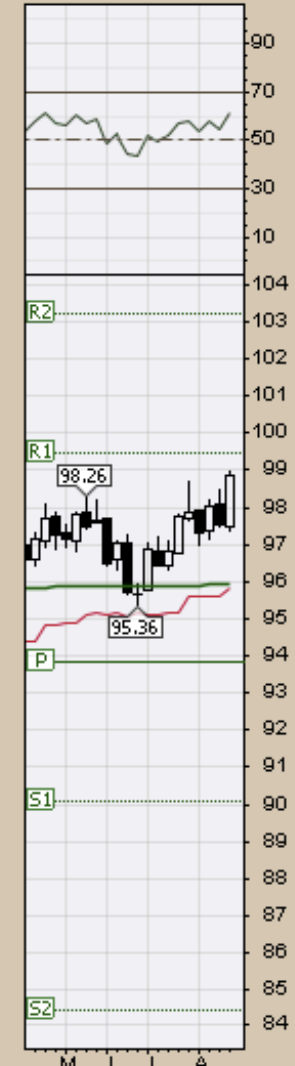
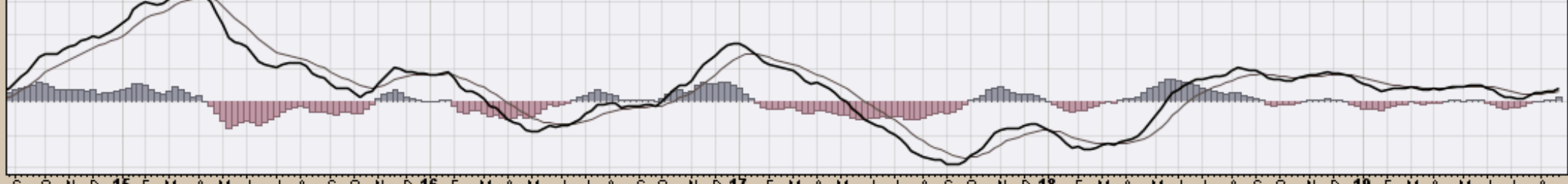
RSI(14) 61.36

CHART A5. U.S. DOLLAR INDEX, WEEKLY CHART

\$USD (Weekly) 98.86
MA(200) 95.93
CHANDLR(22,3,0) 95.80
PIVOTS 84.43, 90.09, 93.81, 99.47, 103.19

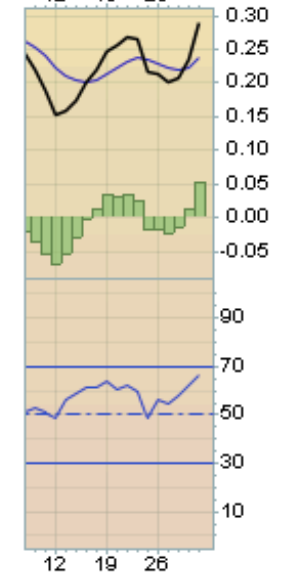


MACD(12,26,9) 0.425, 0.300, 0.125



US Dollar Index - Cash Settle (EOD) (Daily) 98.86
 BB(20,2,0) 96.99 - 97.84 - 98.70
 PIVOTS 94.82, 96.54, 97.49, 99.21, 100.16
 CHANDLR(22,3,0) 97.68
 Volume undef

CHART A6A. US DOLLAR INDEX, DAILY CHART



US Dollar Index - Cash Settle (EOD) (Daily) 98.86

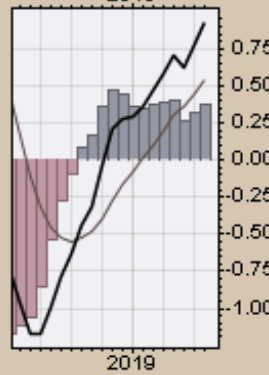
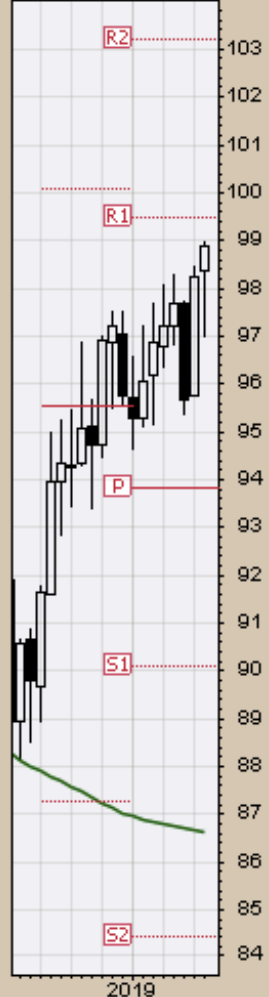
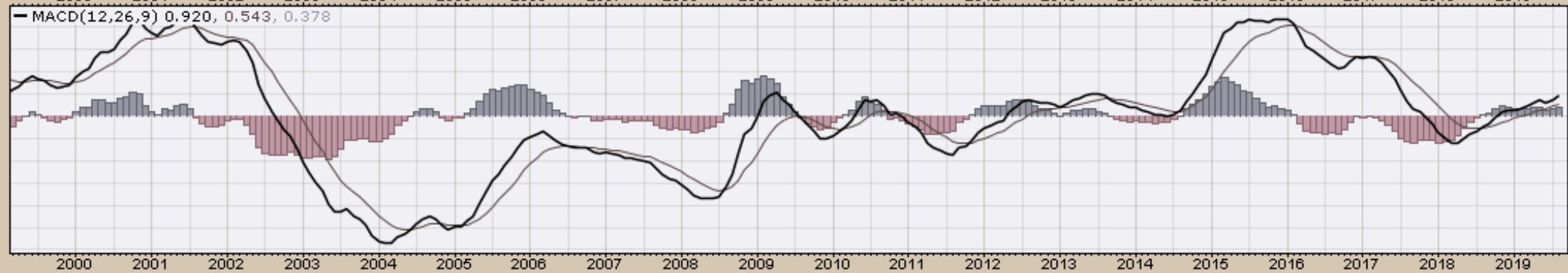
CHART A6B. US DOLLAR INDEX, DAILY CHART



30-Aug-2019

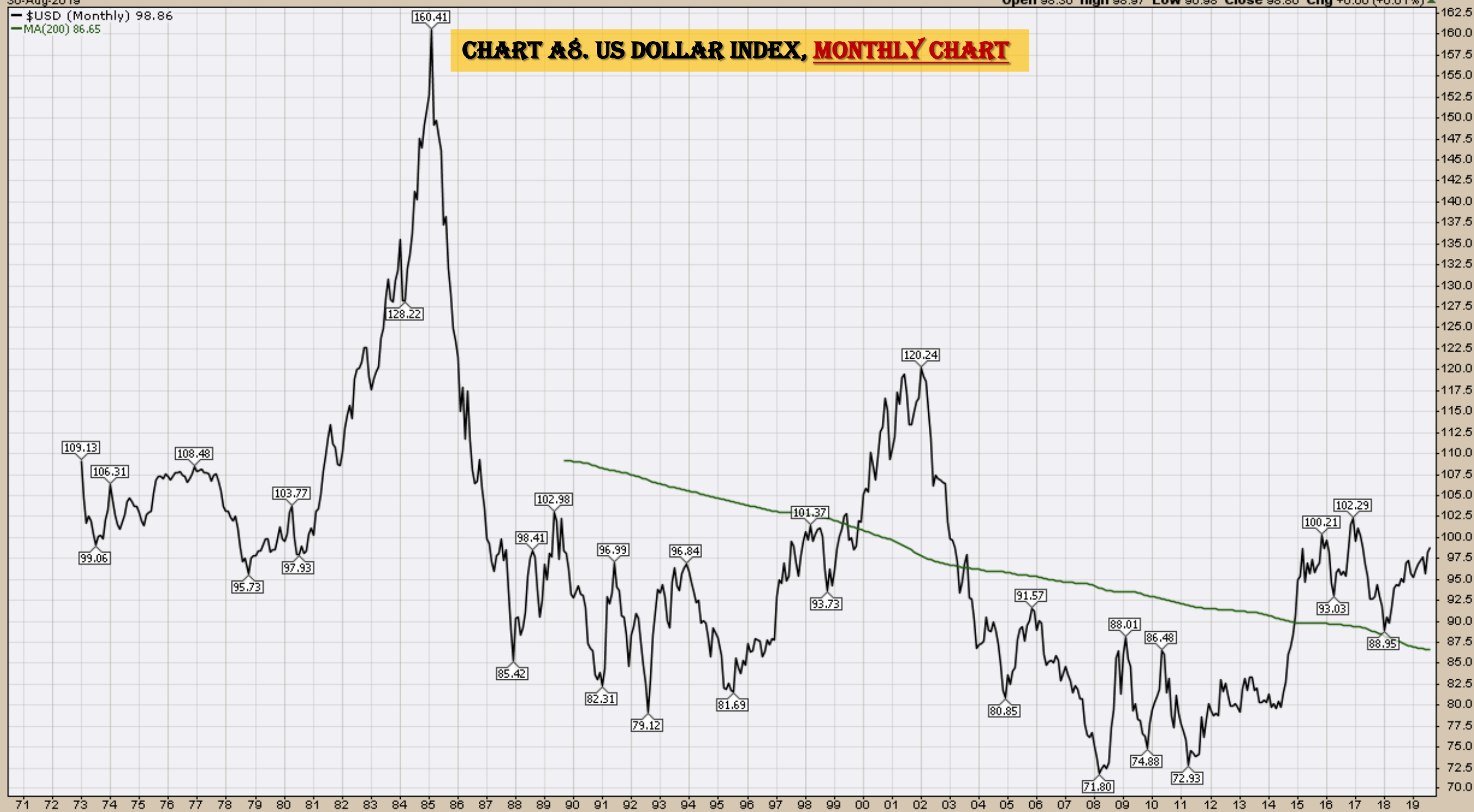
\$USD (Monthly) 98.86
MA(200) 86.65
PIVOTS 84.43, 90.08, 93.81, 99.46, 103.18

CHART A7. US DOLLAR INDEX, MONTHLY CHART

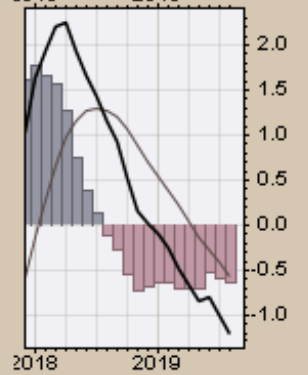
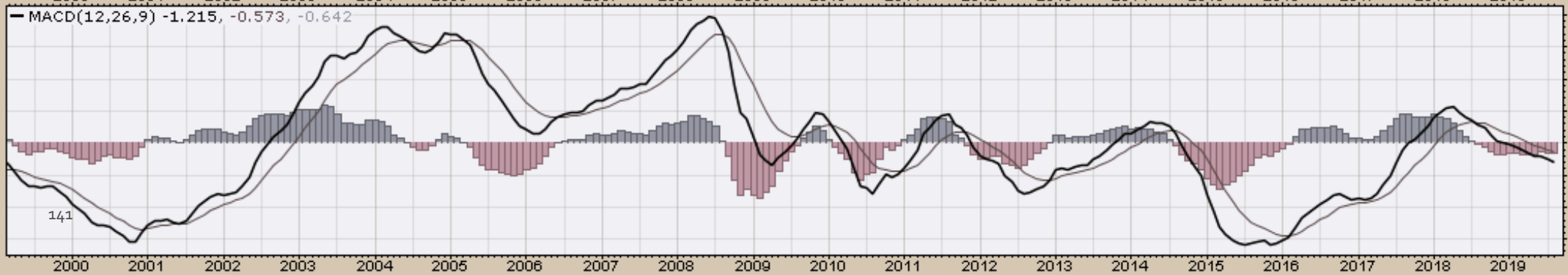
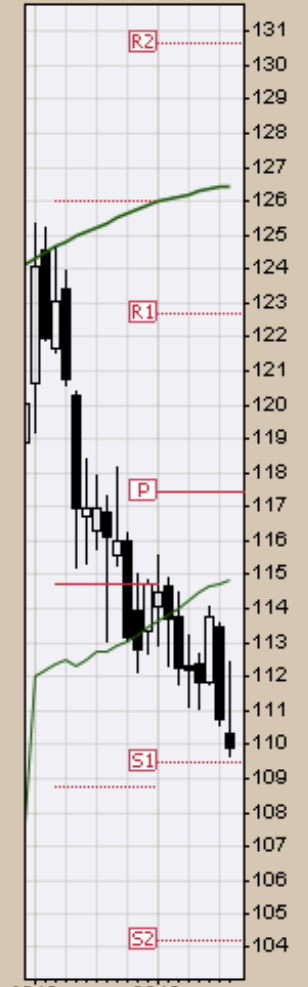


— \$USD (Monthly) 98.86
— MA(200) 86.65

CHART A8. US DOLLAR INDEX, MONTHLY CHART



Select Currency Charts
Monthly Charts



30-Aug-2019

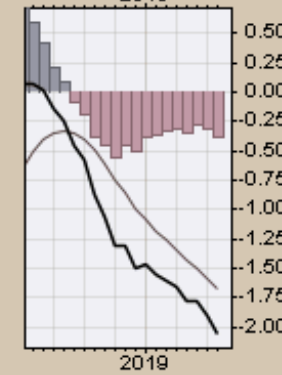
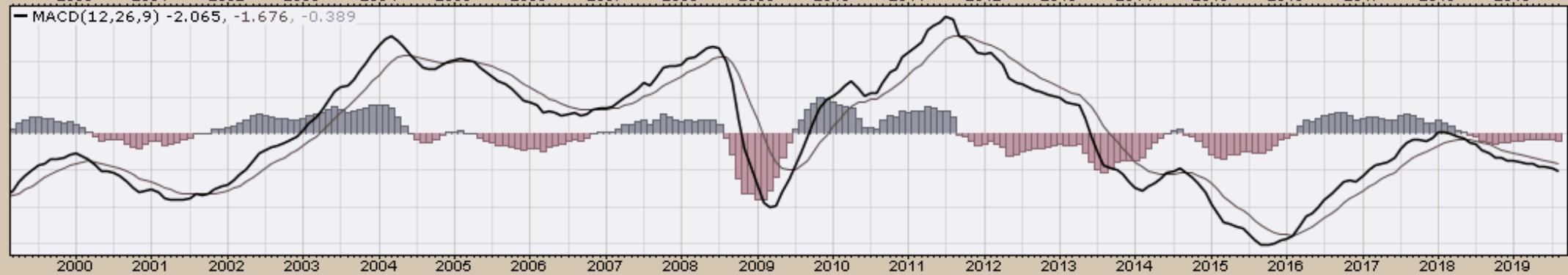
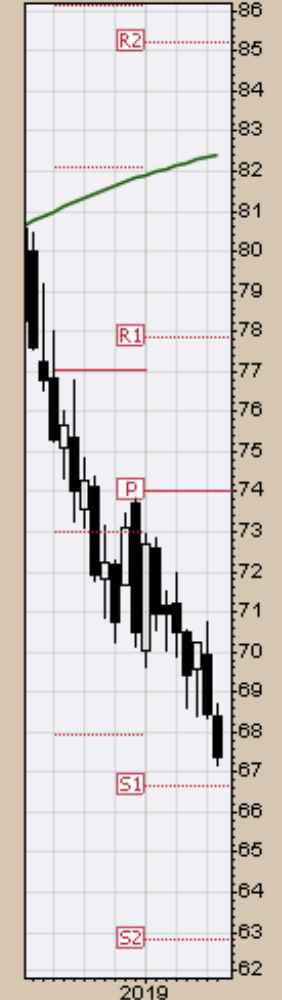
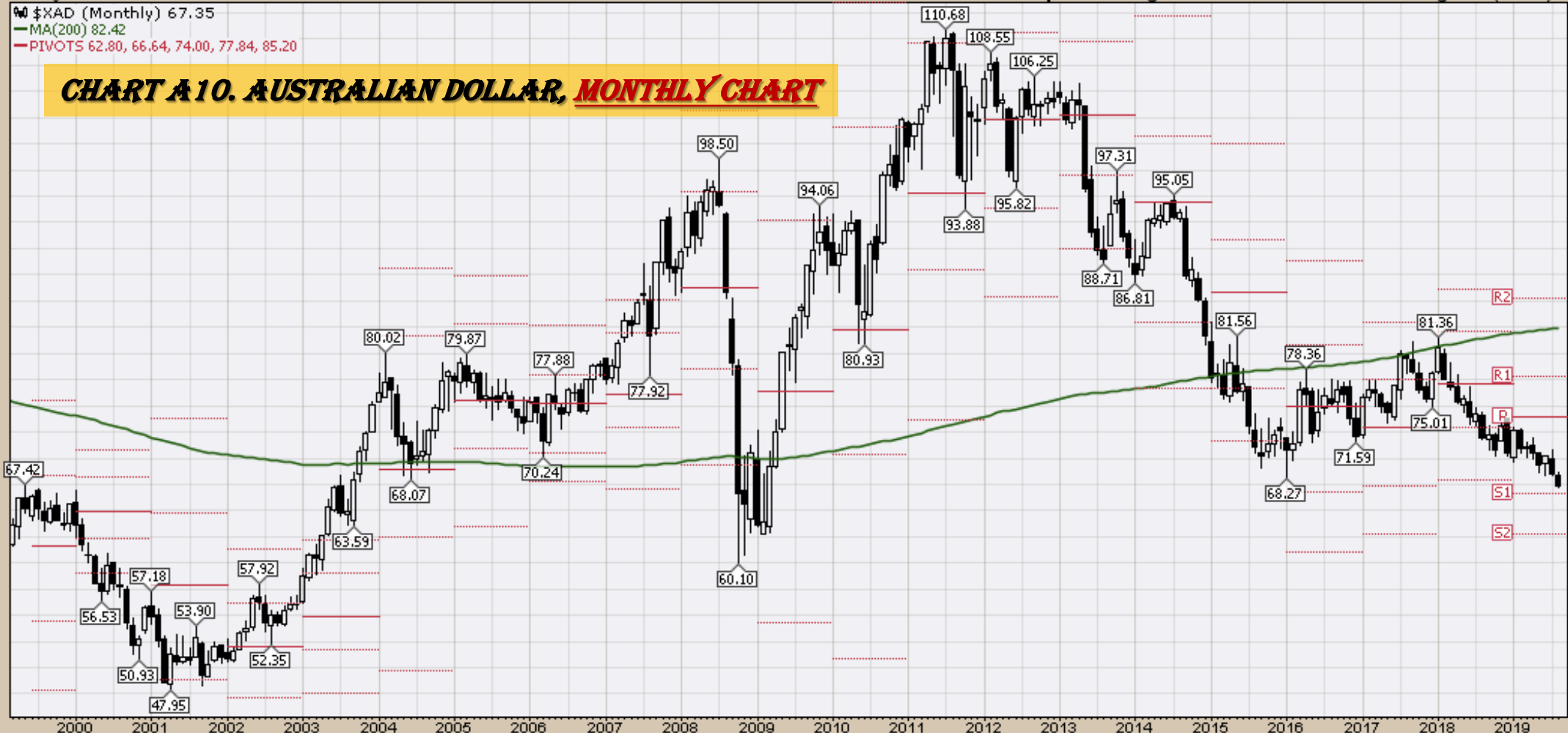
Open 68.40 High 68.69 Low 67.17 Close 67.35 Chg -1.10 (-1.61%)

\$XAD (Monthly) 67.35

MA(200) 82.42

PIVOTS 62.80, 66.64, 74.00, 77.84, 85.20

CHART A10. AUSTRALIAN DOLLAR, MONTHLY CHART



30-Aug-2019

Open 75.63 High 75.89 Low 74.90 Close 75.12 Chg -0.70 (-0.93%)

AO \$CDW (Monthly) 75.12

MA(200) 86.39

PIVOTS 67.59, 70.46, 76.05, 78.91, 84.50

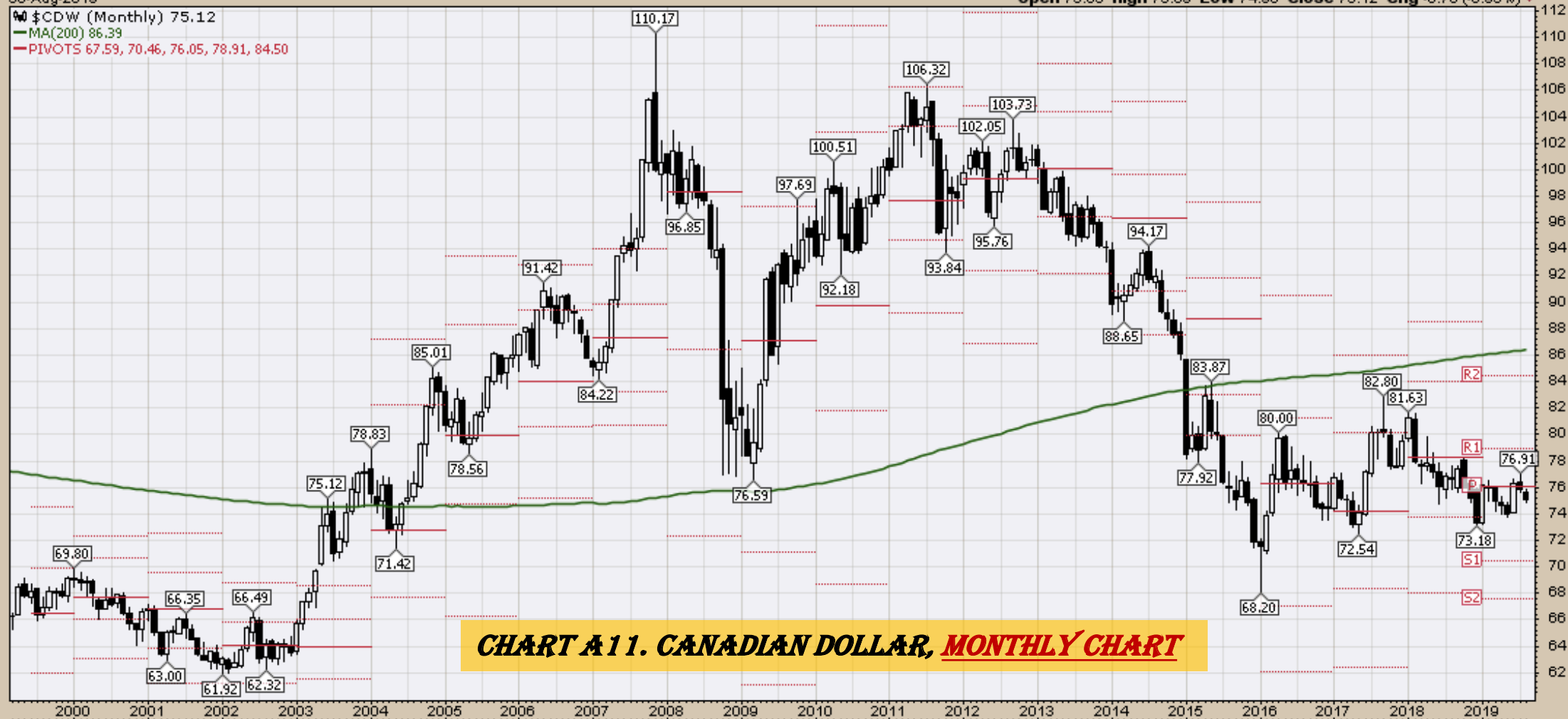
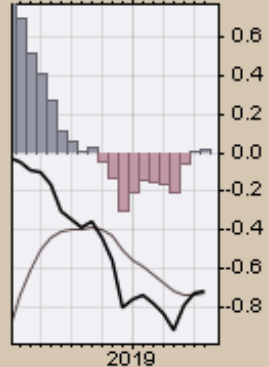
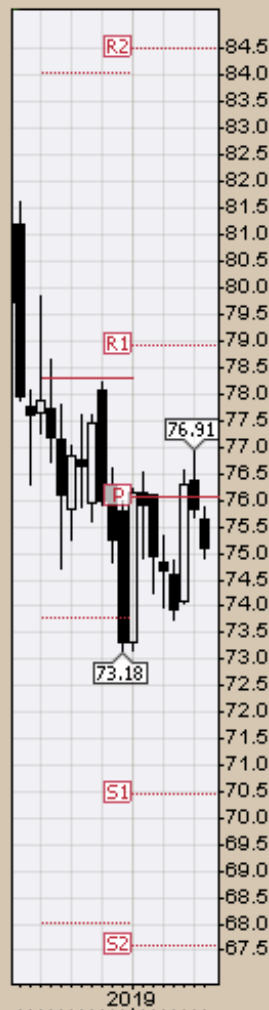
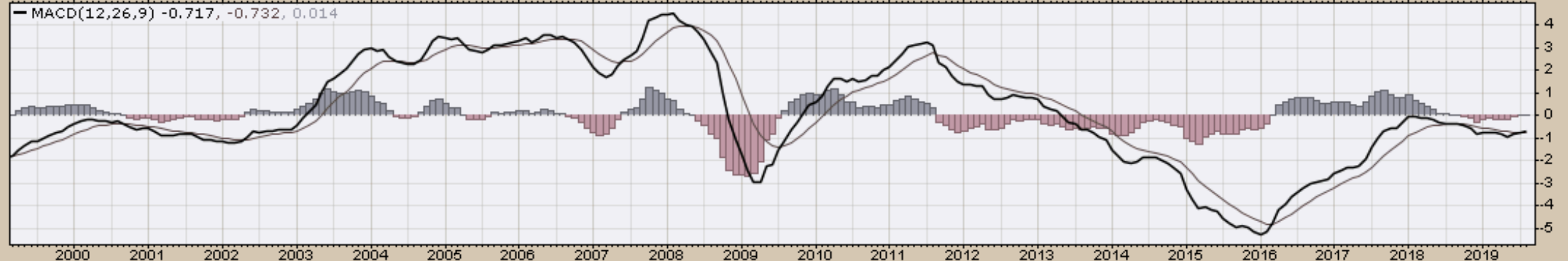


CHART A11. CANADIAN DOLLAR, MONTHLY CHART

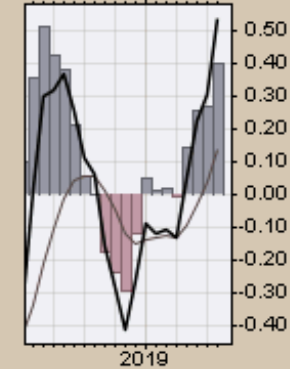
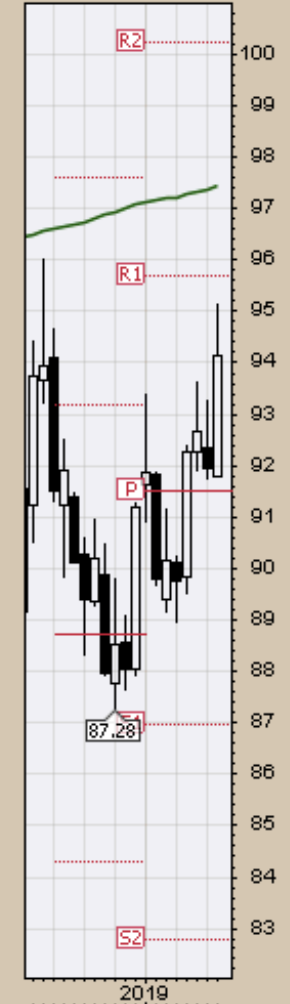


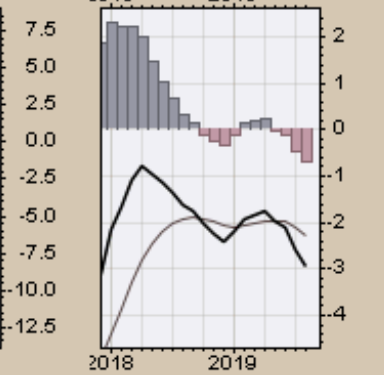
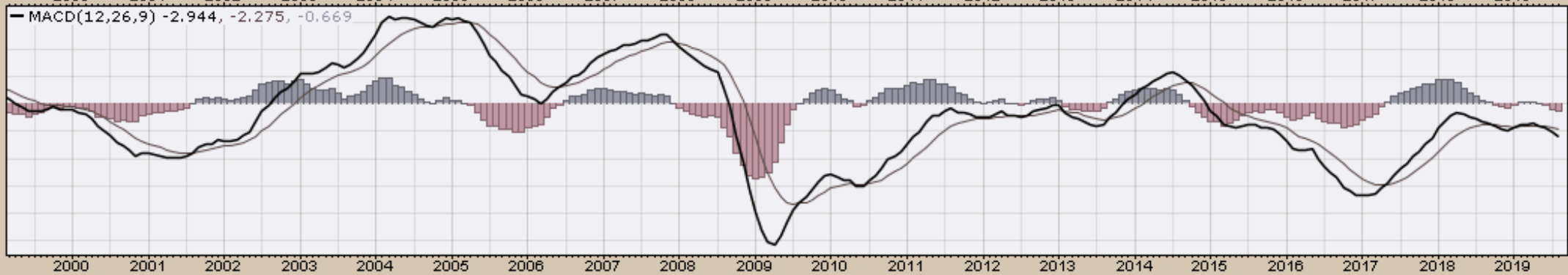
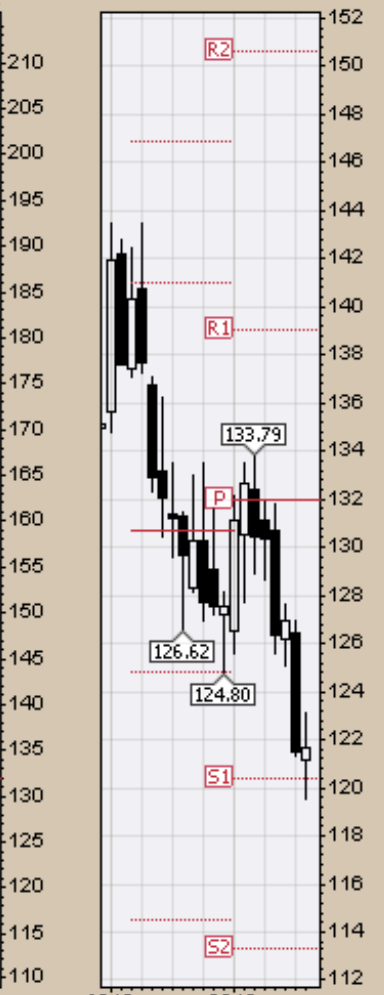
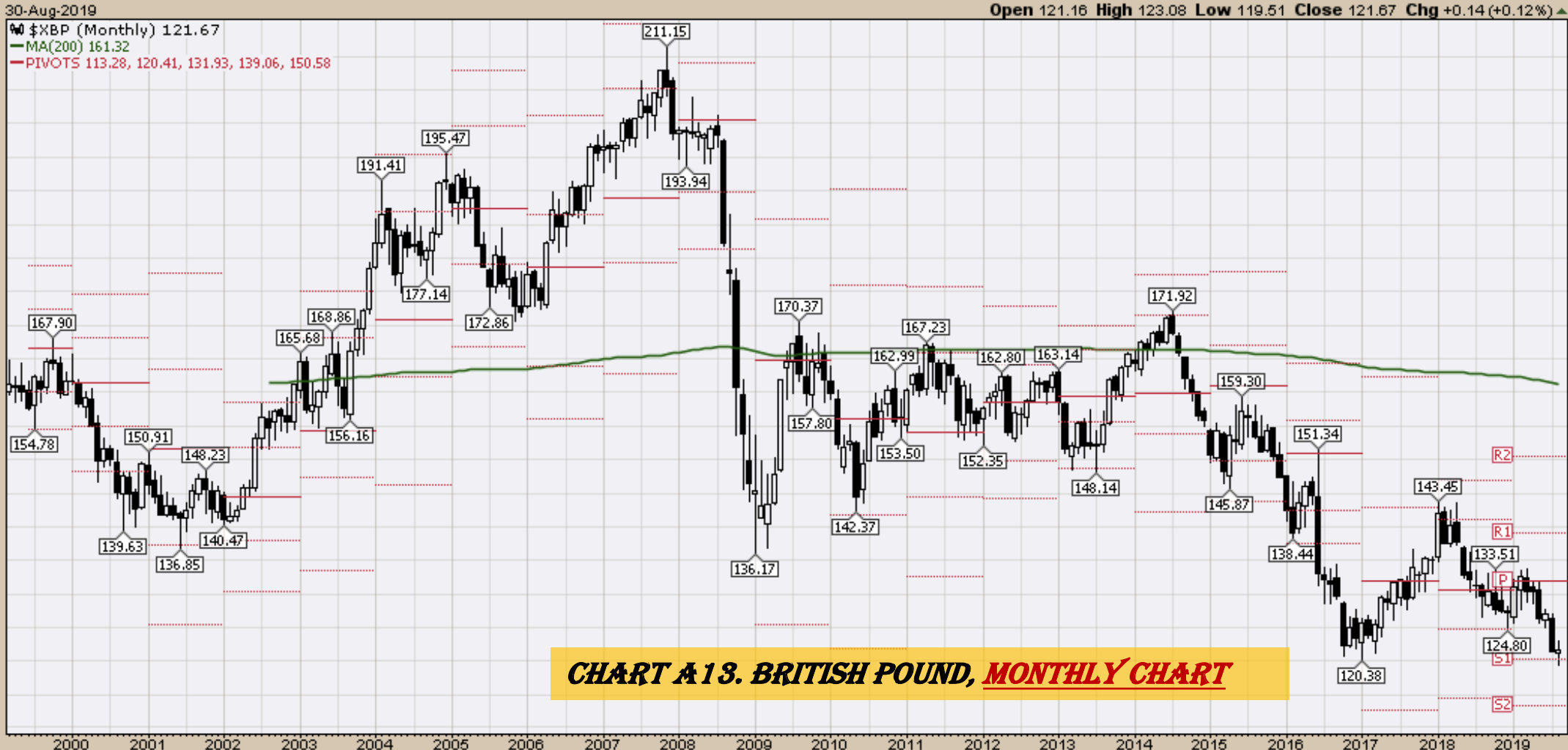
30-Aug-2019

Open 91.80 High 95.14 Low 91.80 Close 94.12 Chg +2.17 (+2.36%) ▲

\$XJY (Monthly) 94.12
MA(200) 97.43
PIVOTS 82.77, 86.98, 91.49, 95.70, 100.21

CHART A12. JAPANESE YEN, MONTHLY CHART





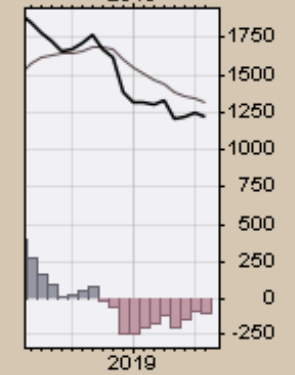
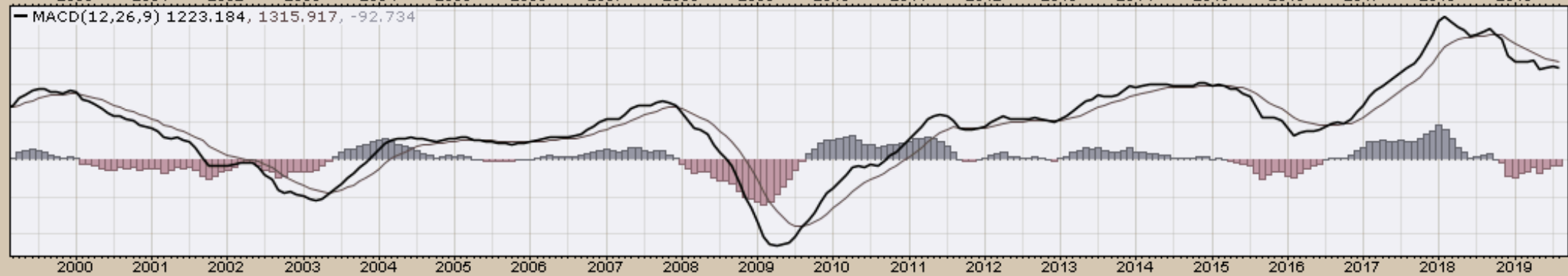
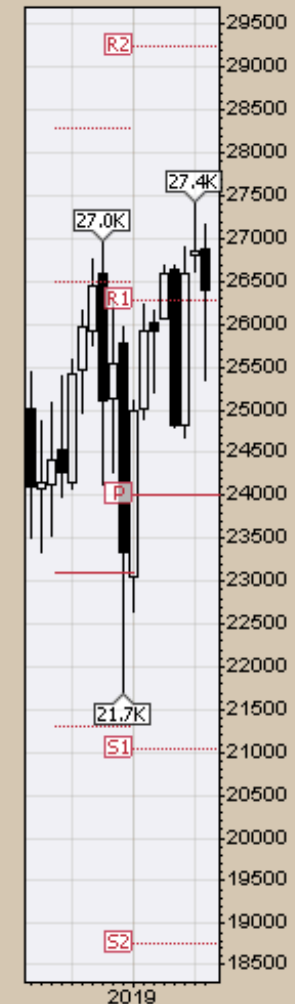
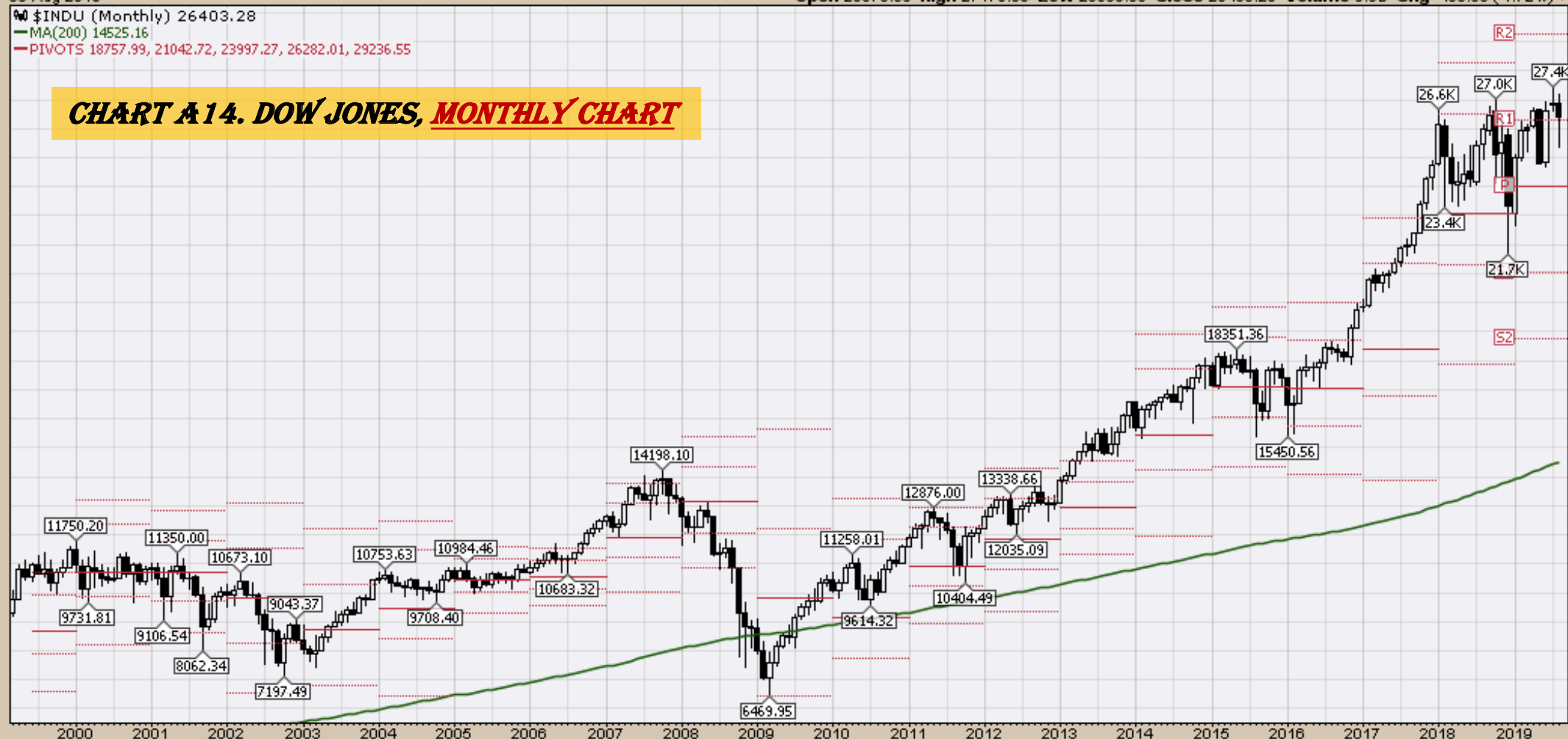
Select Equity and Transportation Charts
Monthly Charts

\$INDU (Monthly) 26403.28

MA(200) 14525.16

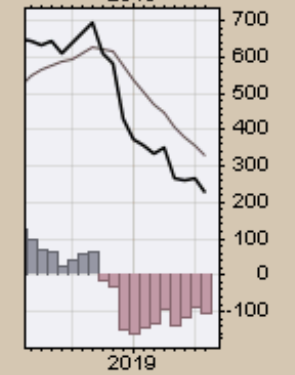
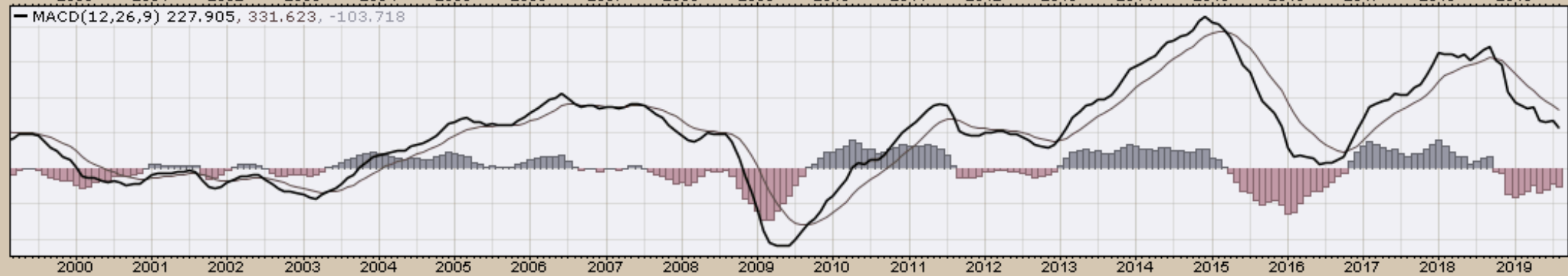
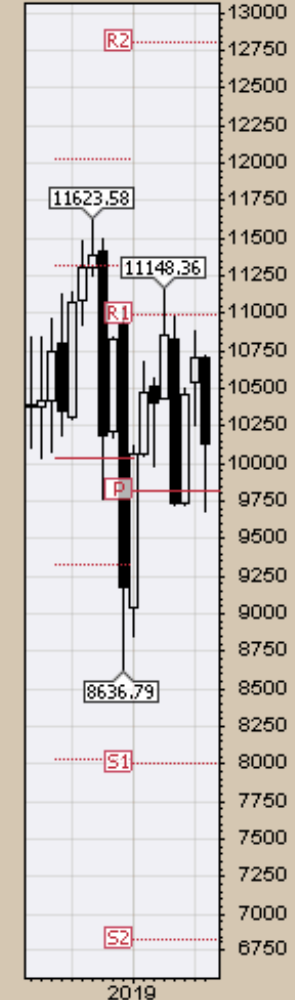
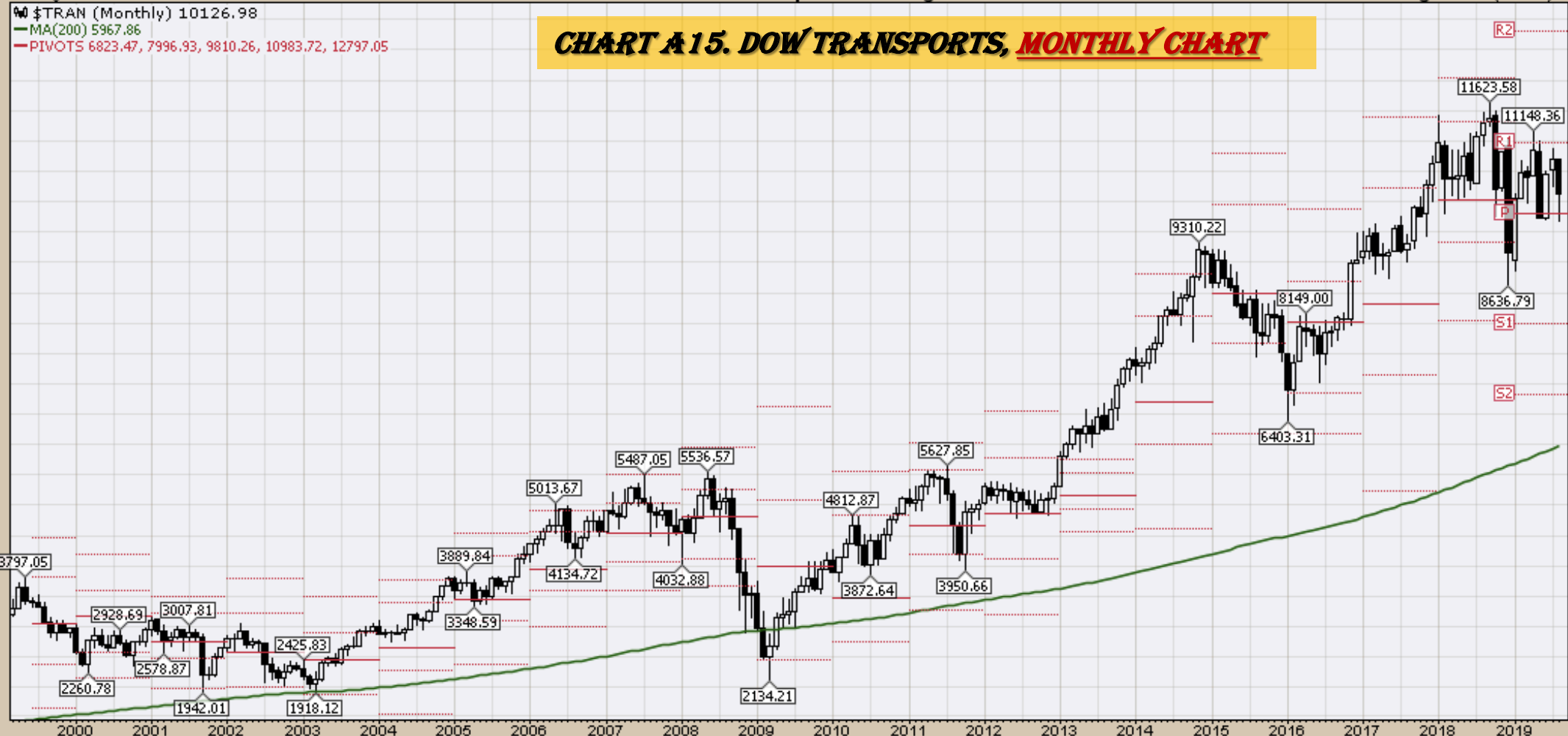
PIVOTS 18757.99, 21042.72, 23997.27, 26282.01, 29236.55

CHART A14. DOW JONES, MONTHLY CHART



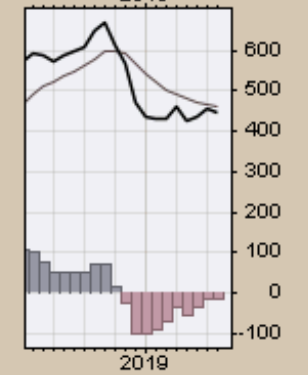
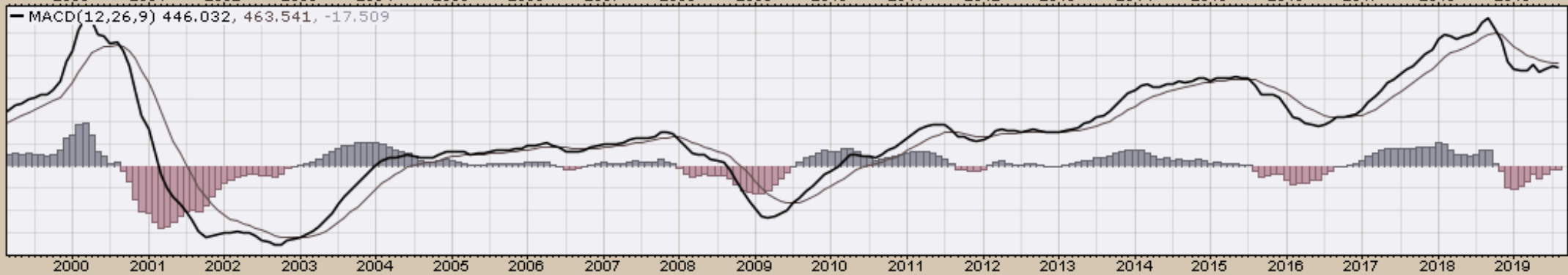
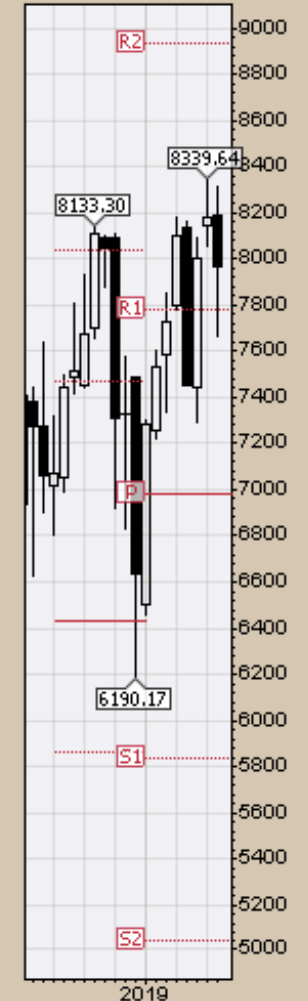
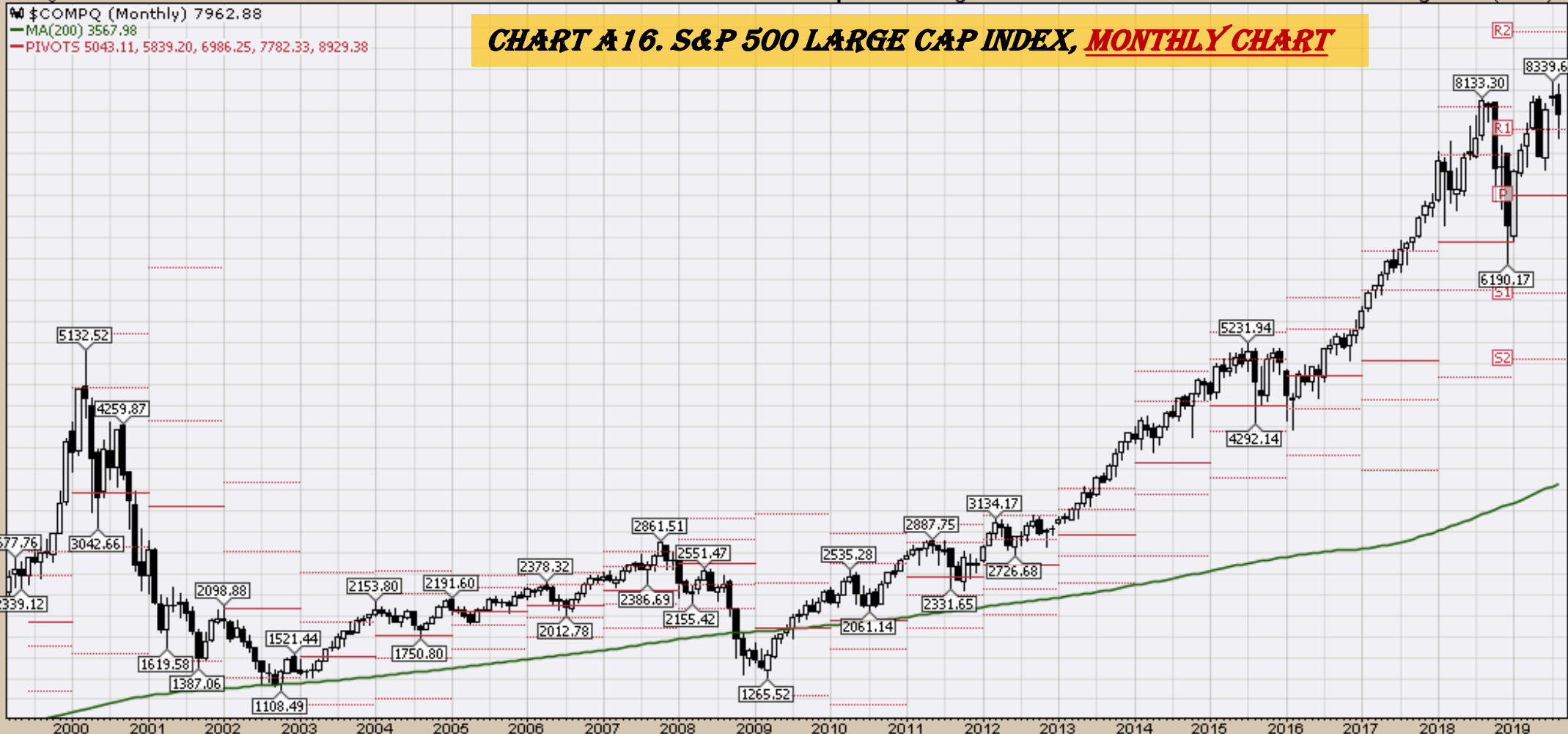
\$TRAN (Monthly) 10126.98
MA(200) 5967.86
PIVOTS 6823.47, 7996.93, 9810.26, 10983.72, 12797.05

CHART A15. DOW TRANSPORTS, MONTHLY CHART



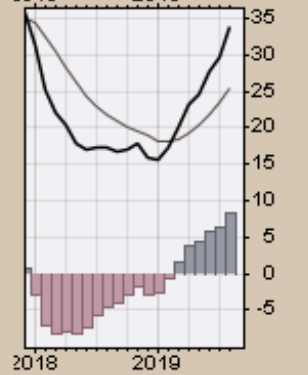
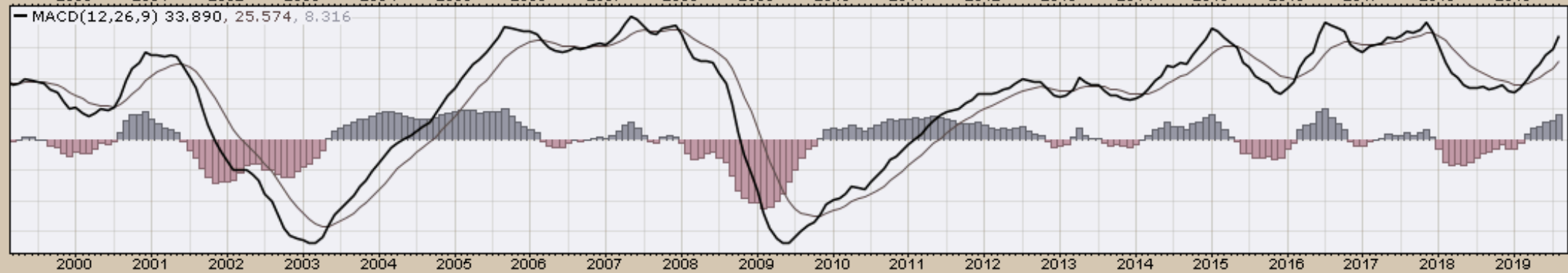
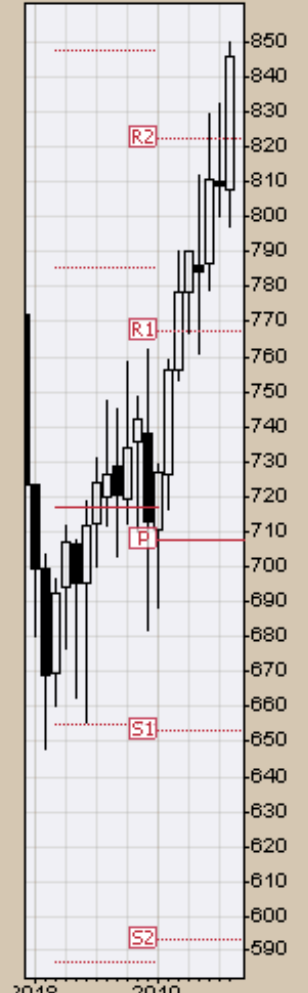
\$COMPQ (Monthly) 7962.88
MA(200) 3567.98
PIVOTS 5043.11, 5839.20, 6986.25, 7782.33, 8929.38

CHART A 16. S&P 500 LARGE CAP INDEX, MONTHLY CHART



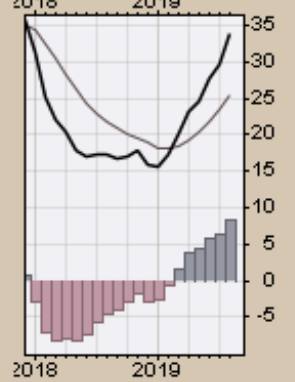
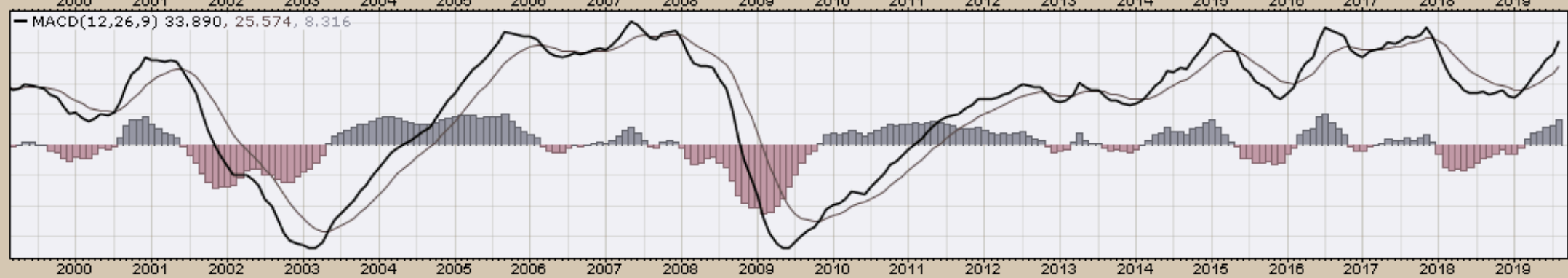
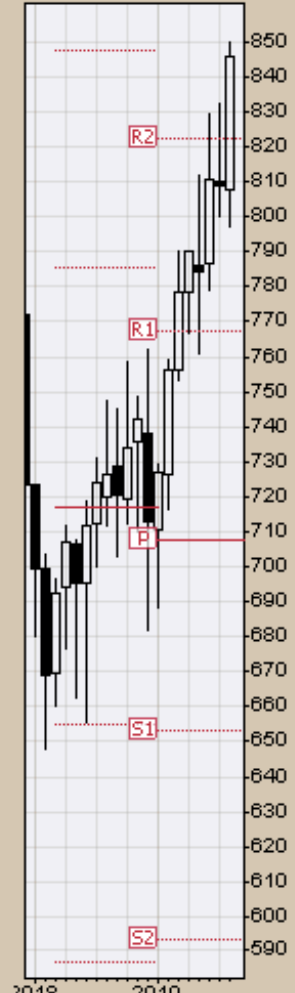
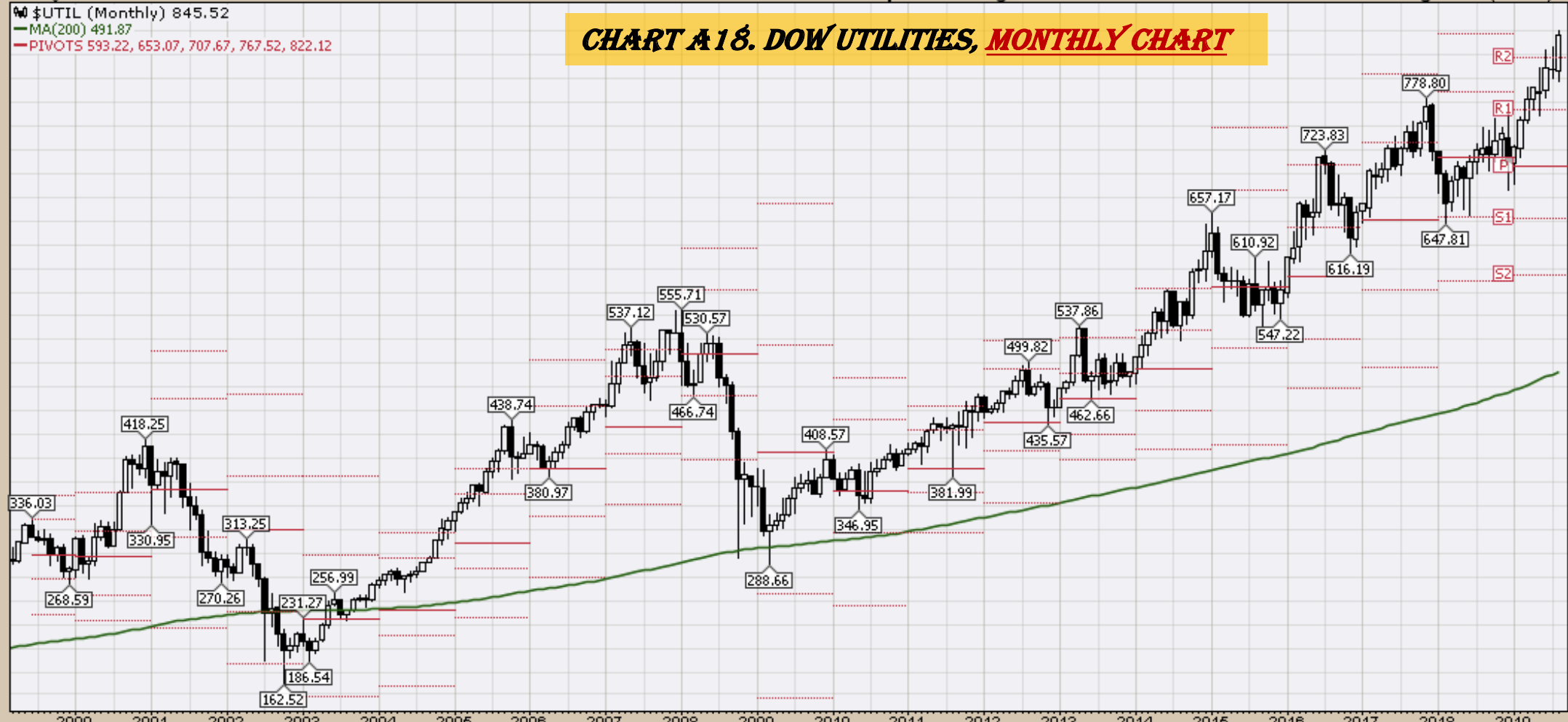
\$UTIL (Monthly) 845.52
MA(200) 491.87
PIVOTS 593.22, 653.07, 707.67, 767.52, 822.12

CHART A 17. NASDAQ COMPOSITE, MONTHLY CHART



\$UTIL (Monthly) 845.52
MA(200) 491.87
PIVOTS 593.22, 653.07, 707.67, 767.52, 822.12

CHART A18. DOW UTILITIES, MONTHLY CHART



Select Global Equity Charts

CHART A19A. WORLD LESS U.S. & CANADA, MONTHLY CHART

EFA (Monthly) 63.21
MA(200) 46.85
PIVOTS 45.62, 51.58, 61.53, 67.49, 77.43

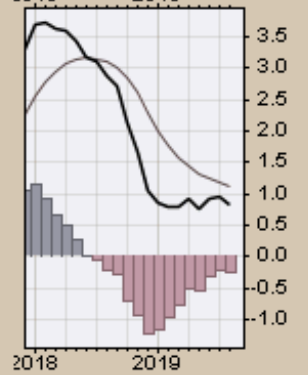
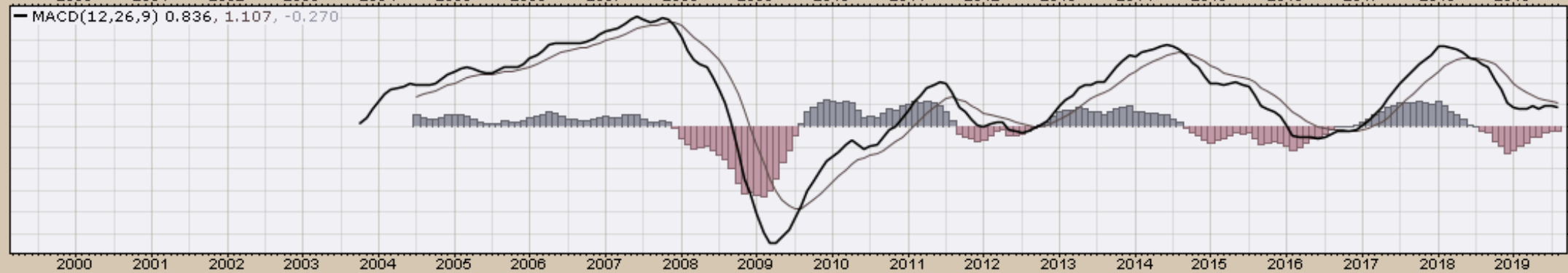
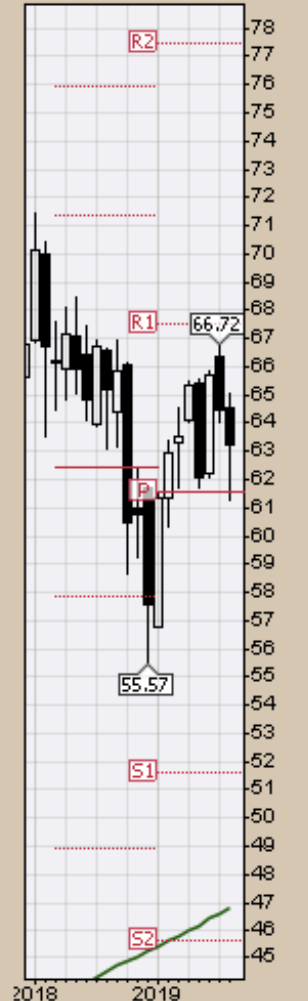
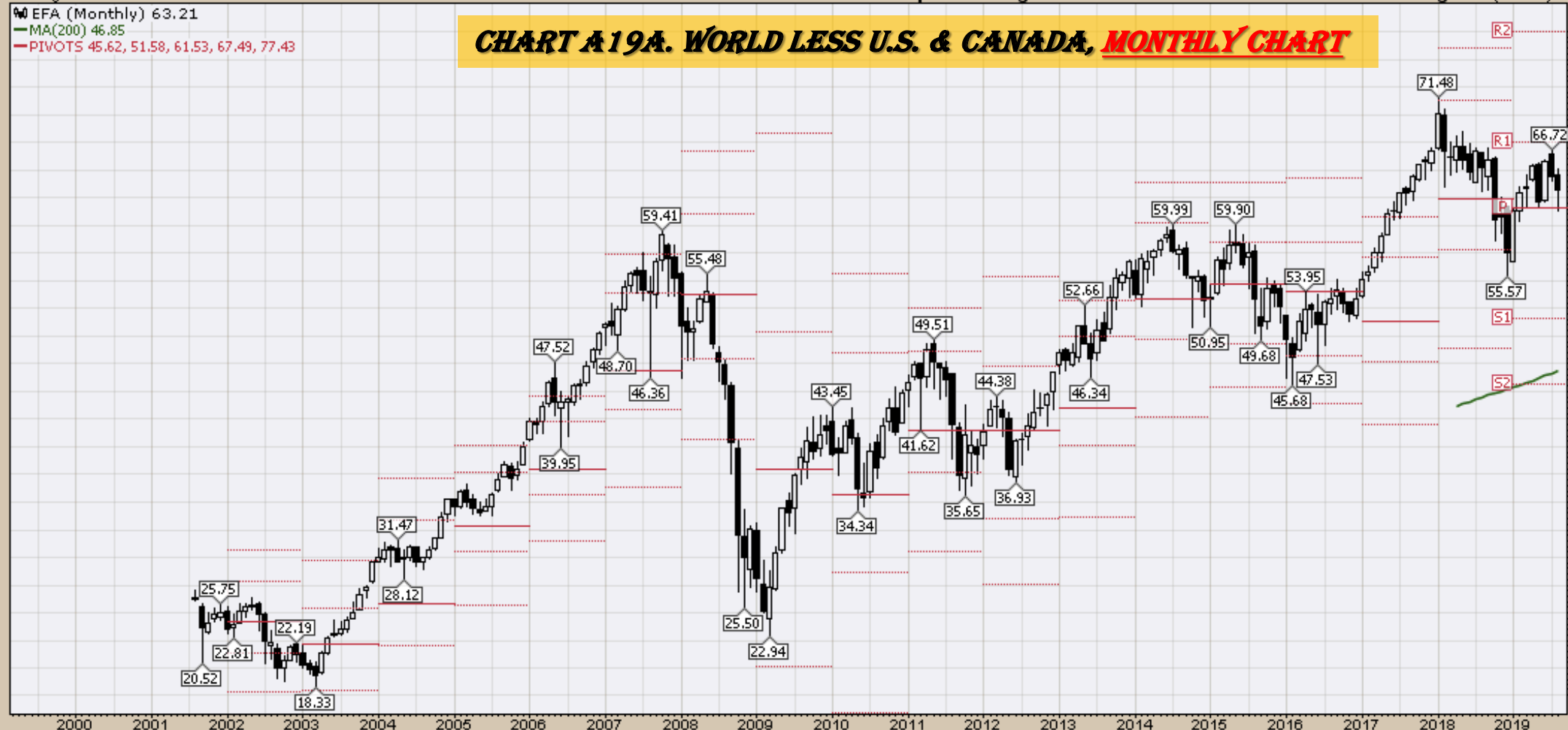
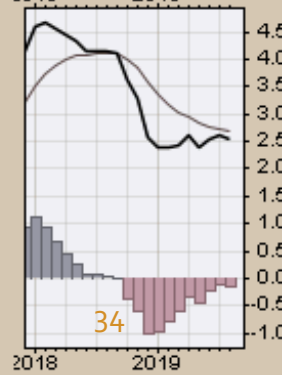
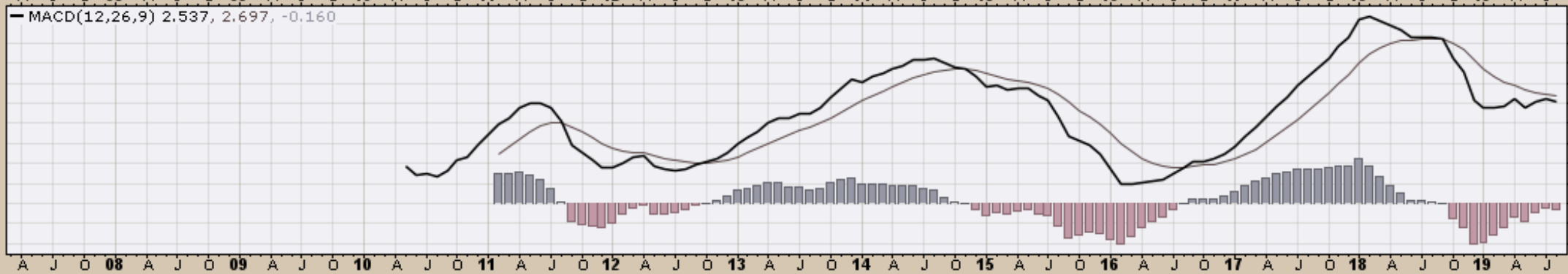
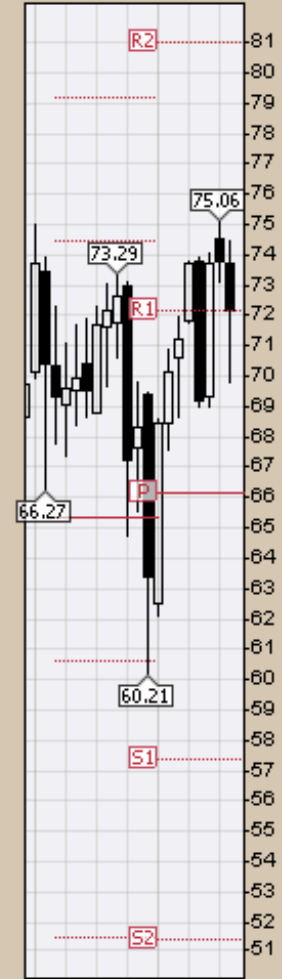
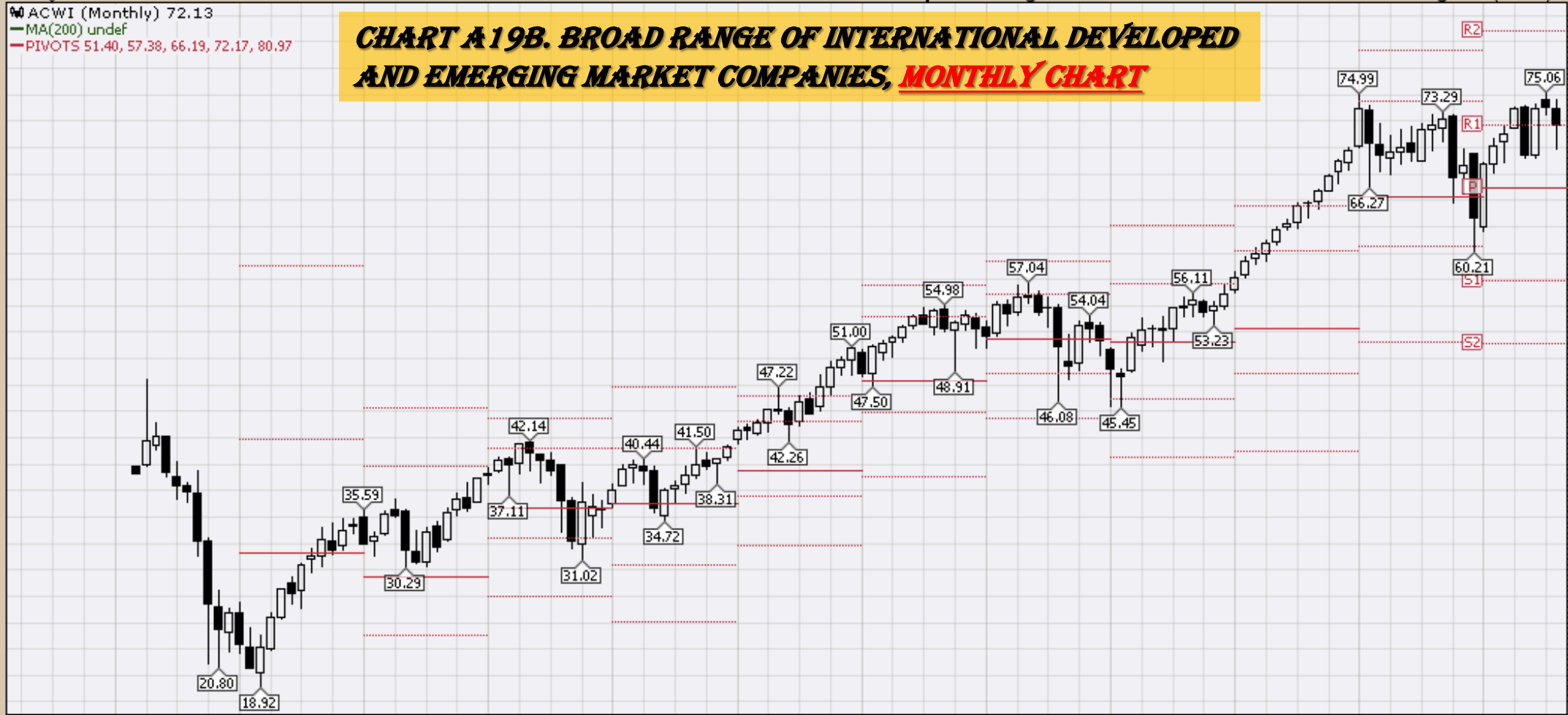


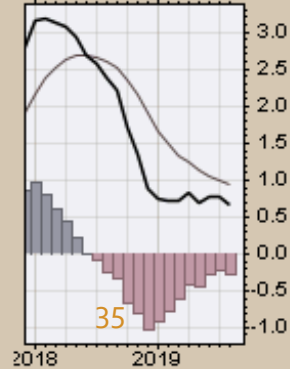
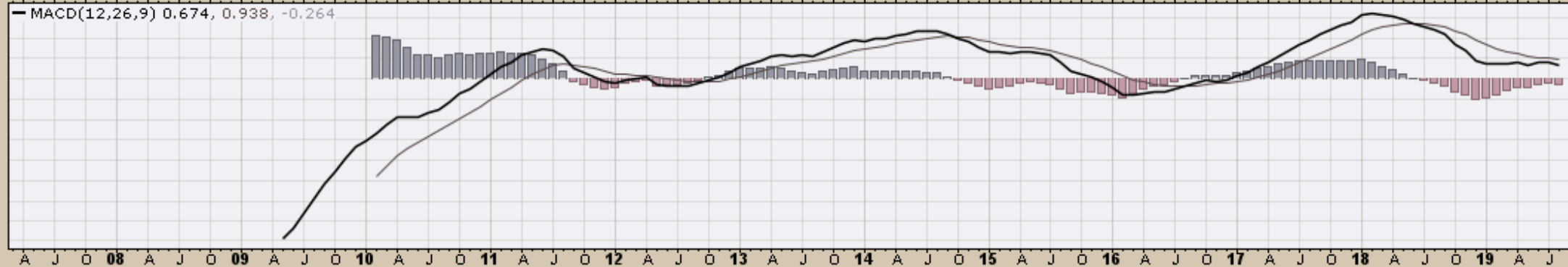
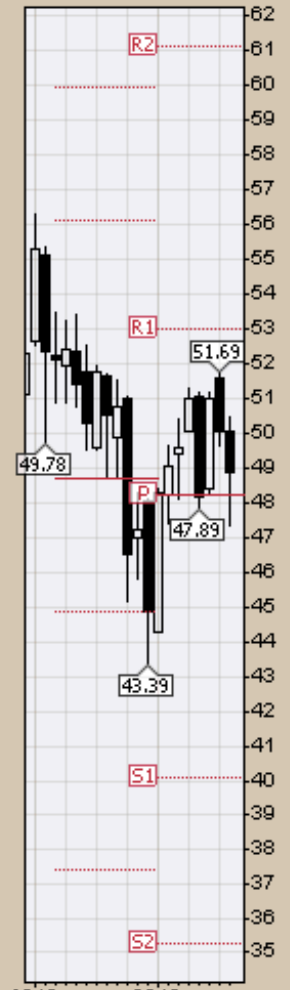
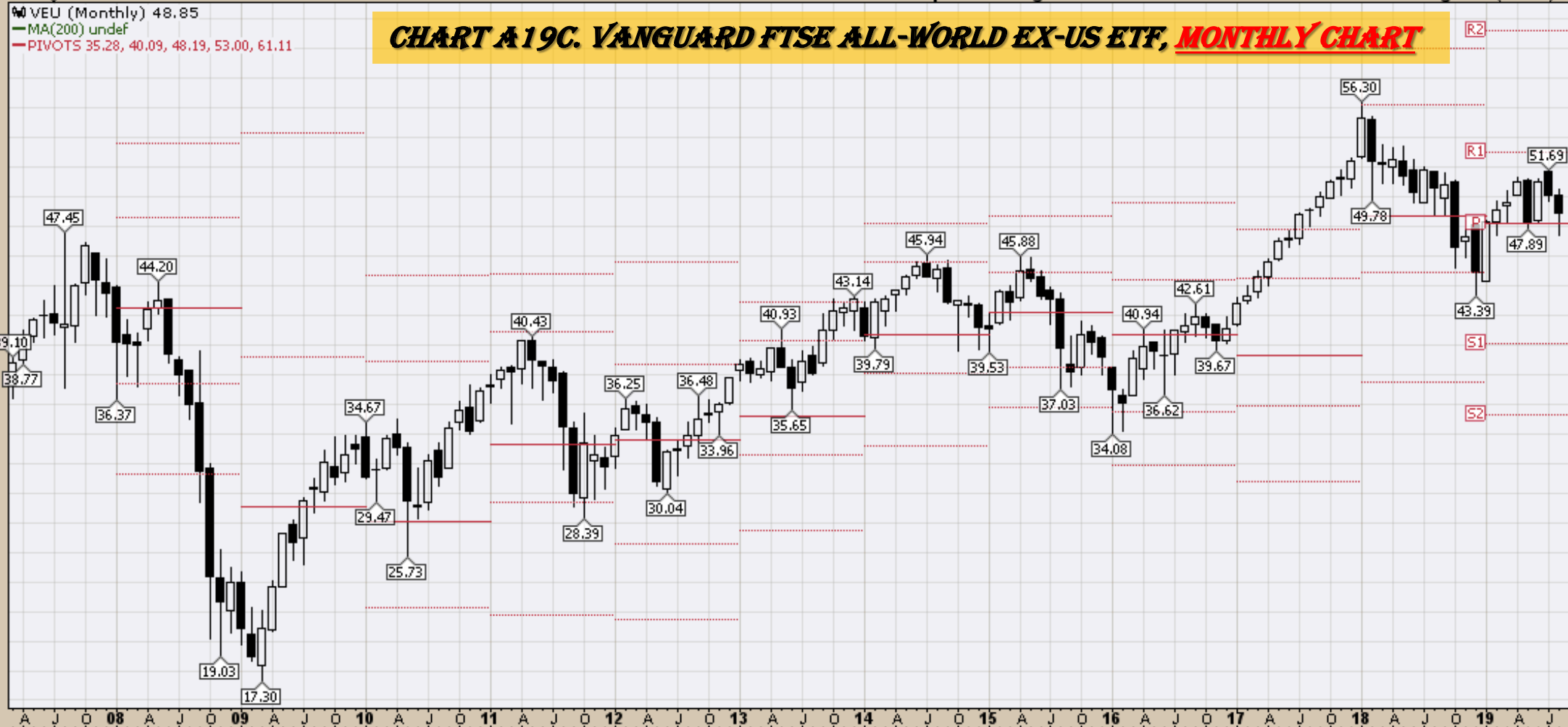
CHART A19B. BROAD RANGE OF INTERNATIONAL DEVELOPED AND EMERGING MARKET COMPANIES, MONTHLY CHART

ACWI (Monthly) 72.13
 MA(200) undef
 PIVOTS 51.40, 57.38, 66.19, 72.17, 80.97



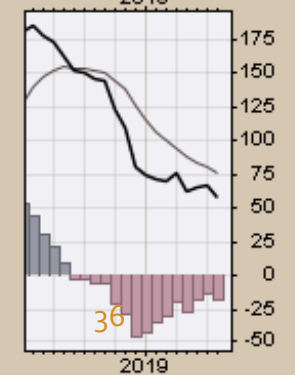
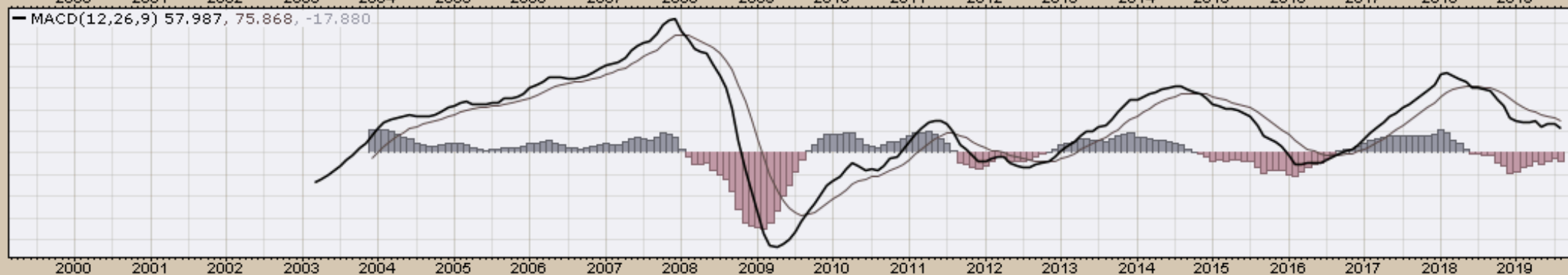
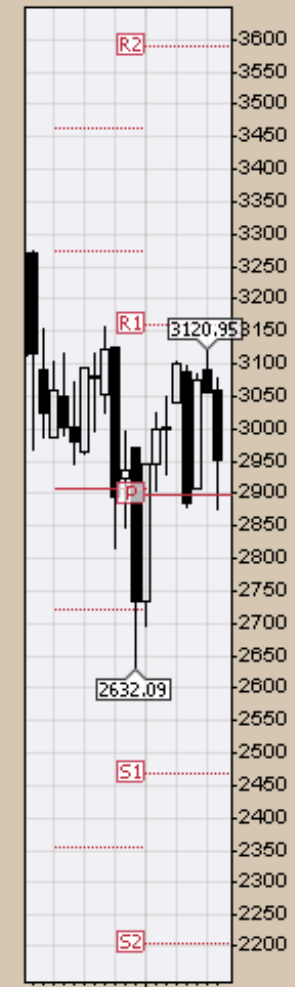
VEU (Monthly) 48.85
MA(200) undef
PIVOTS 35.28, 40.09, 48.19, 53.00, 61.11

CHART A19C. VANGUARD FTSE ALL-WORLD EX-US ETF, MONTHLY CHART



\$GDOW (Monthly) 2953.12
MA(200) 2115.52
PIVOTS 2205.09, 2469.75, 2896.74, 3161.40, 3588.39

CHART A19D. THE GLOBAL DOW (GDOW) IS A 150-STOCK INDEX OF CORPORATIONS FROM AROUND THE WORLD, CREATED BY DOW JONES & COMPANY. ONLY BLUE-CHIP STOCKS ARE INCLUDED IN THE INDEX, MONTHLY CHART

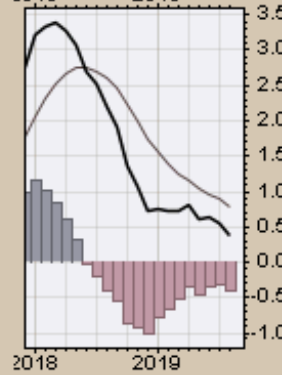
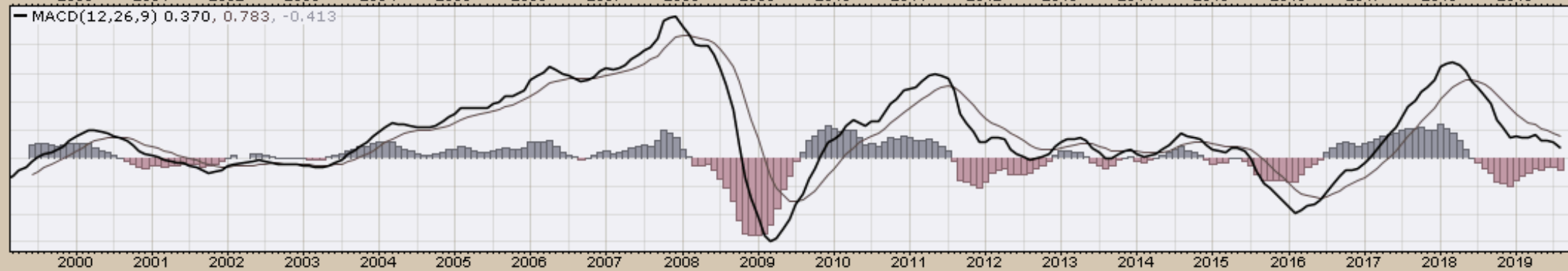
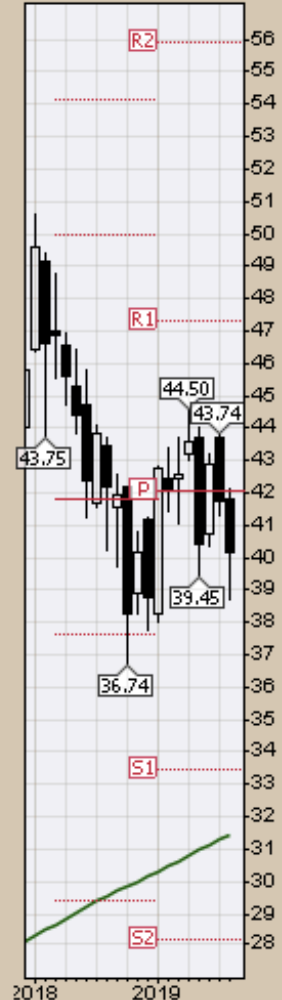


30-Aug-2019

Open 41.78 High 42.10 Low 38.72 Close 40.19 Volume 1.6B Chg -1.58 (-3.78%)

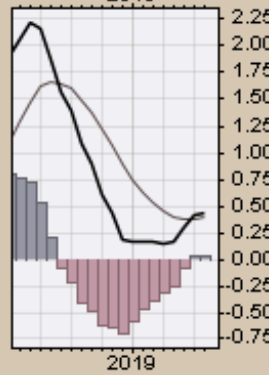
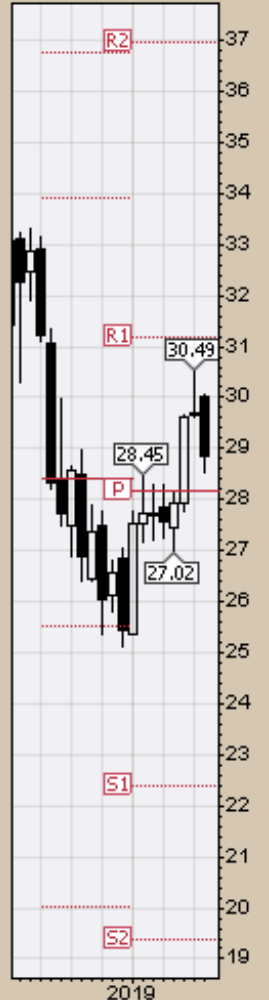
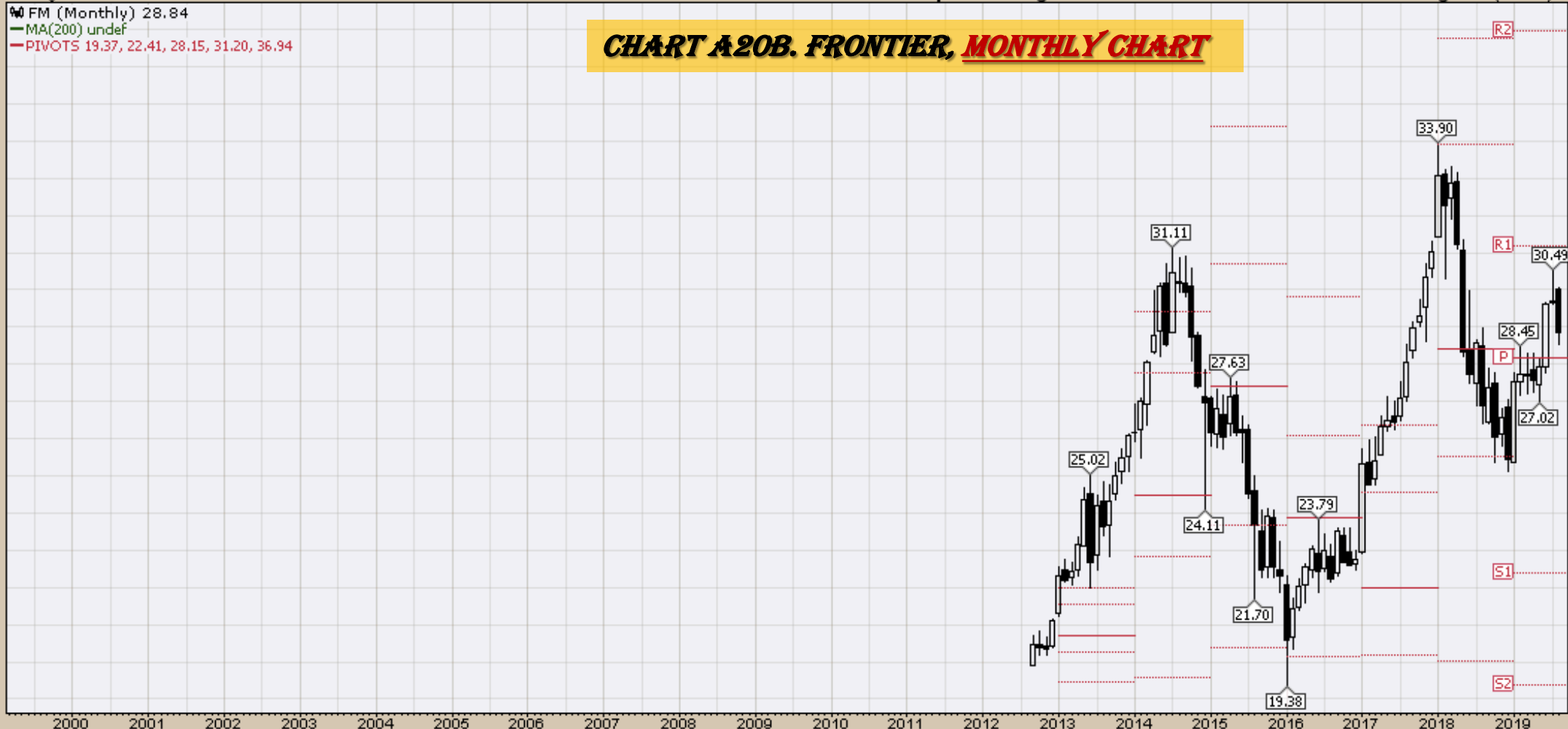
CHART A20A. EMERGING MARKETS, MONTHLY CHART

EEM (Monthly) 40.19
— MA(200) 31.46
— PIVOTS 28.18, 33.47, 42.03, 47.32, 55.88



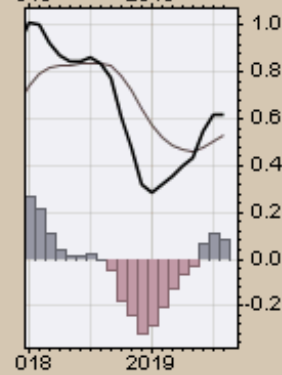
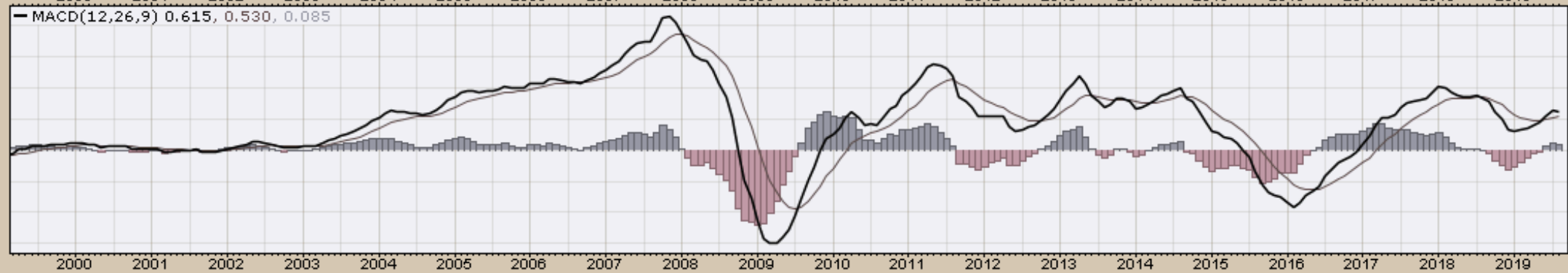
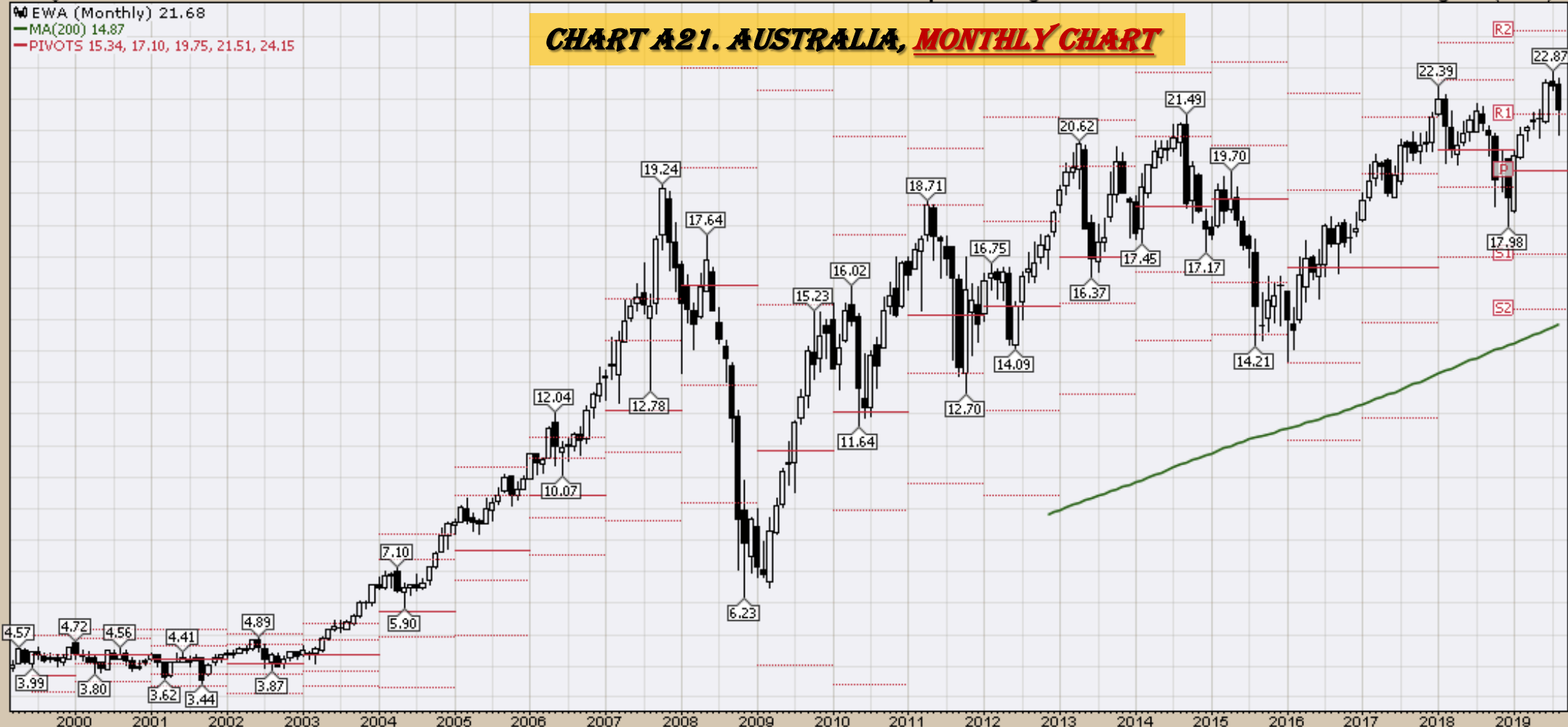
FM (Monthly) 28.84
MA(200) undef
PIVOTS 19.37, 22.41, 28.15, 31.20, 36.94

CHART A20B. FRONTIER, MONTHLY CHART



▲ EWA (Monthly) 21.68
— MA(200) 14.87
— PIVOTS 15.34, 17.10, 19.75, 21.51, 24.15

CHART A21. AUSTRALIA, MONTHLY CHART

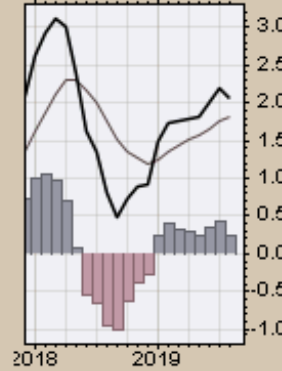
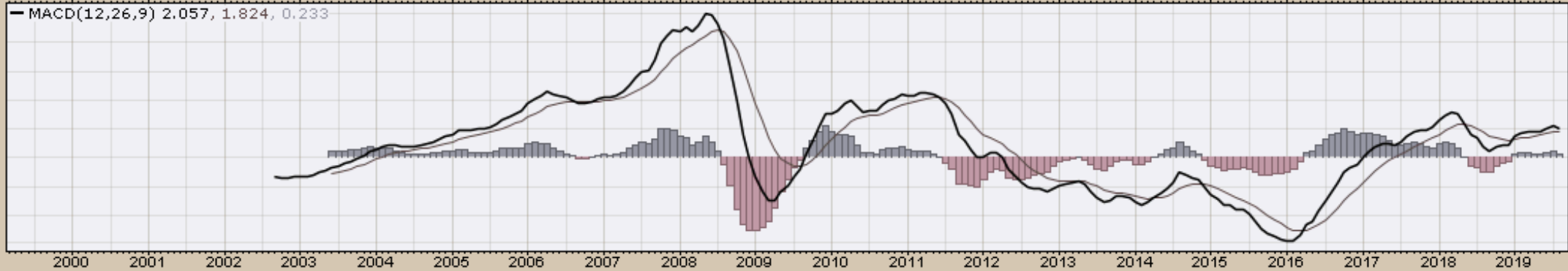
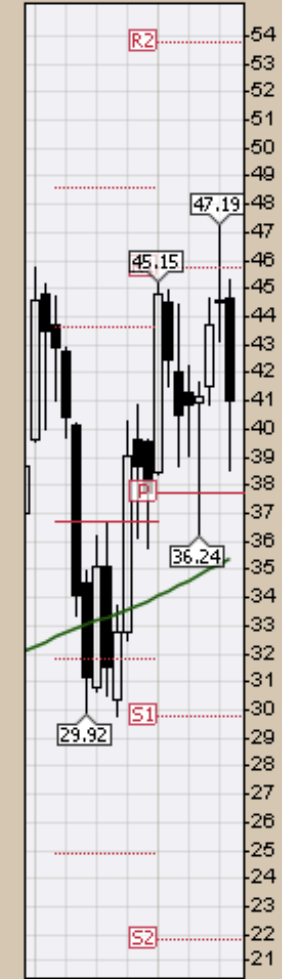
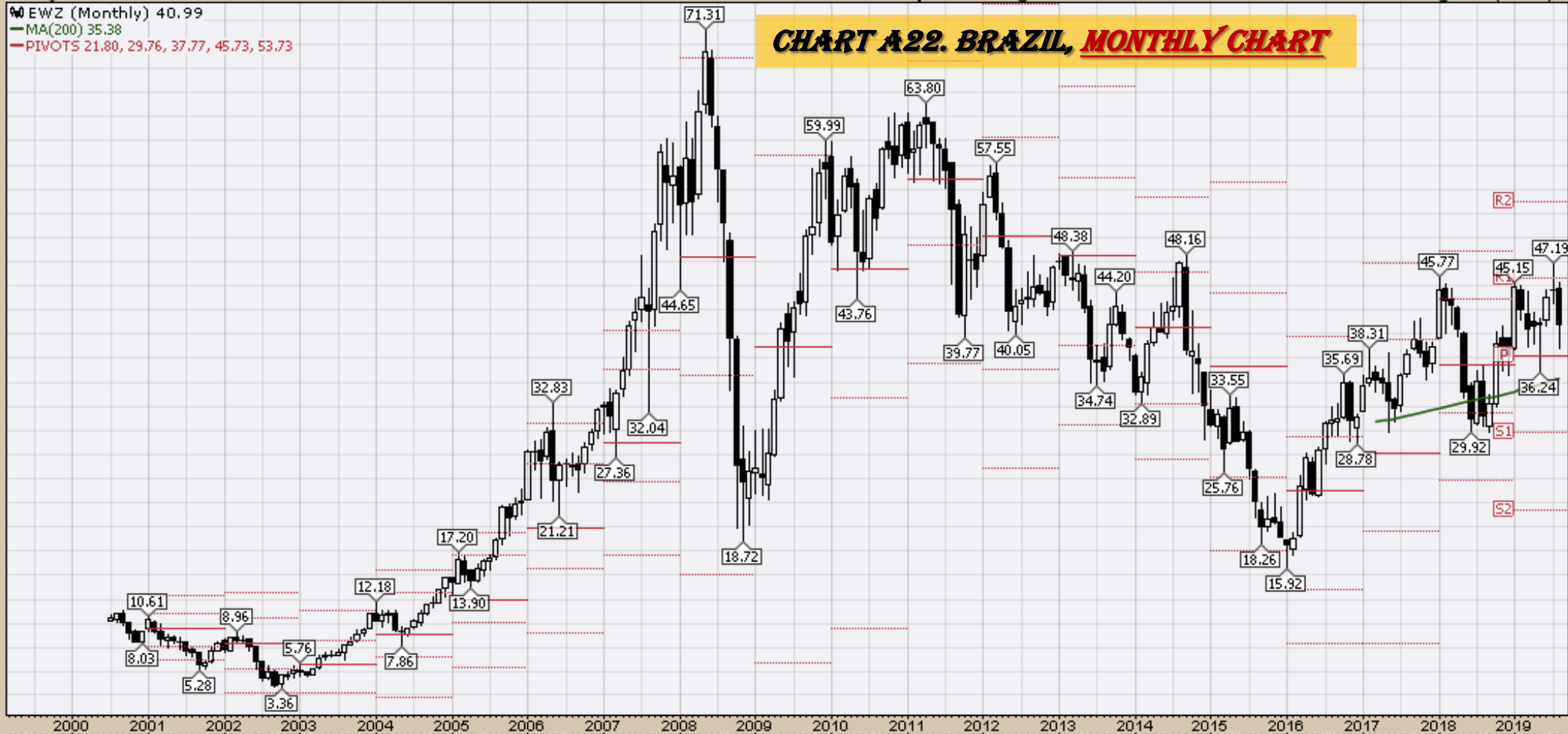


30-Aug-2019

Open 44.65 High 45.28 Low 38.51 Close 40.99 Volume 636.3M Chg -3.51 (-7.89%)

EWZ (Monthly) 40.99
 MA(200) 35.38
 PIVOTS 21.80, 29.76, 37.77, 45.73, 53.73

CHART A22. BRAZIL, MONTHLY CHART



30-Aug-2019 Open 28.35 High 28.59 Low 27.22 Close 28.19 Volume 57.4M Chg -0.20 (-0.70%)

▲ EWC (Monthly) 28.19
— MA(200) 21.51
— PIVOTS 18.43, 21.09, 25.34, 28.00, 32.25

CHART A23. CANADA, MONTHLY CHART

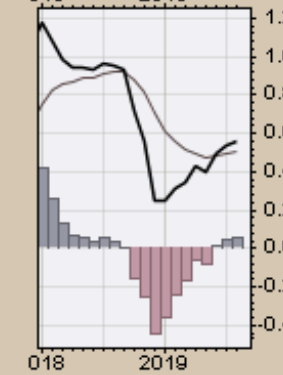
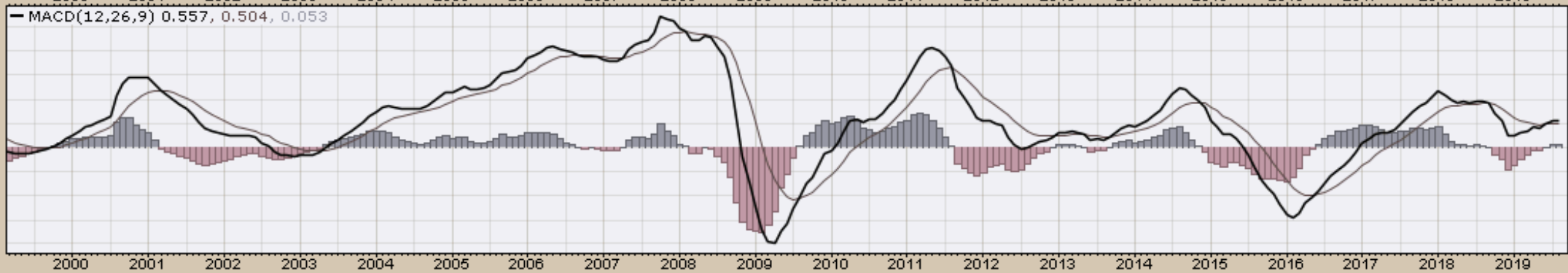
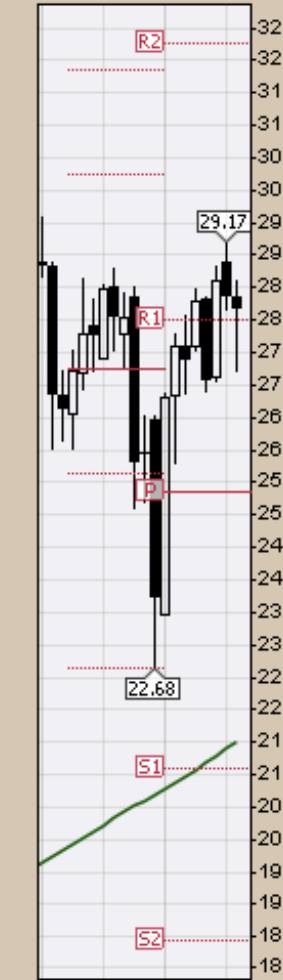
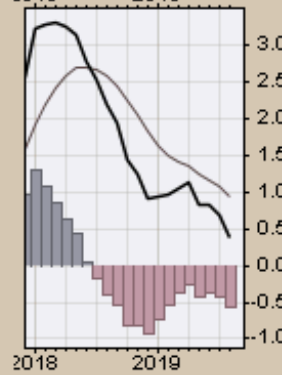
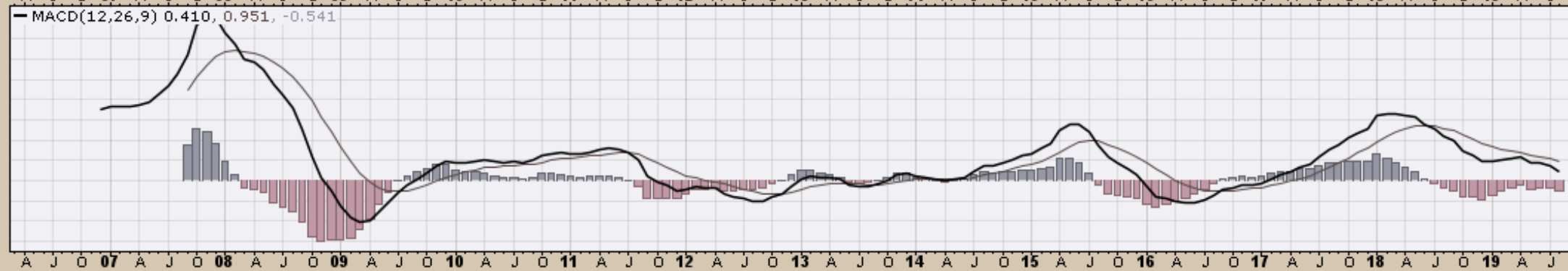
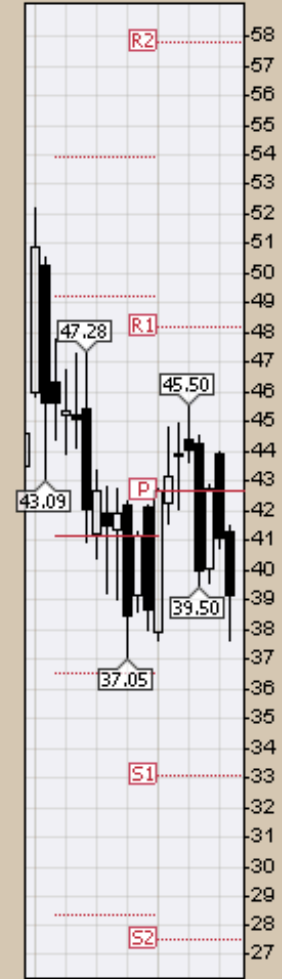


CHART A24. CHINA, MONTHLY CHART

FXI (Monthly) 39.12
 MA(200) undef
 PIVOTS 27.51, 33.10, 42.64, 48.23, 57.76

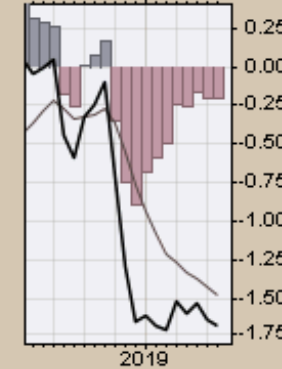
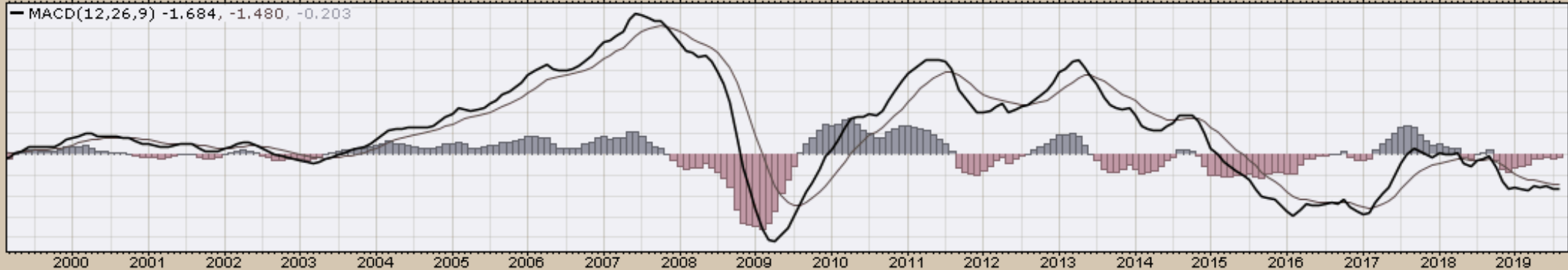
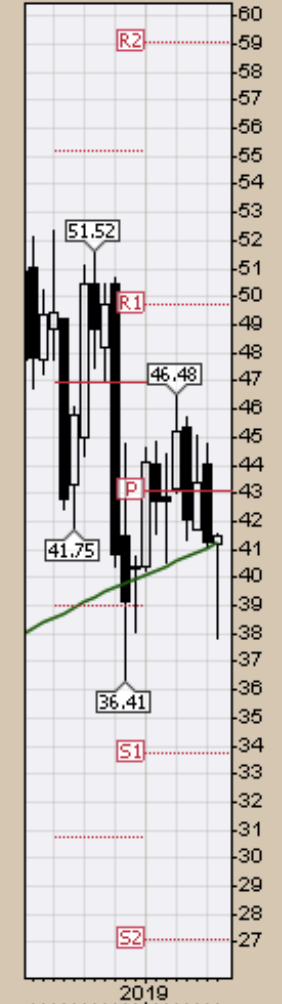


30-Aug-2019

Open 41.20 High 41.55 Low 37.86 Close 41.51 Volume 76.2M Chg +0.24 (+0.58%) ▲

EWW (Monthly) 41.51
 MA(200) 41.24
 PIVOTS 27.08, 33.72, 43.05, 49.70, 59.03

CHART A25. MEXICO, MONTHLY CHART



EWJ (Monthly) 53.92
MA(200) 41.06
PIVOTS 39.38, 44.80, 53.98, 59.40, 68.57

CHART A26. JAPAN, MONTHLY CHART

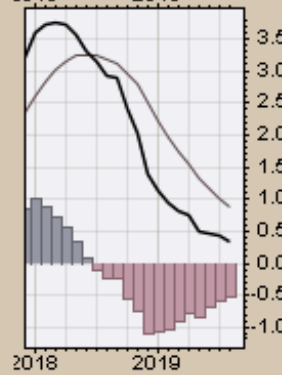
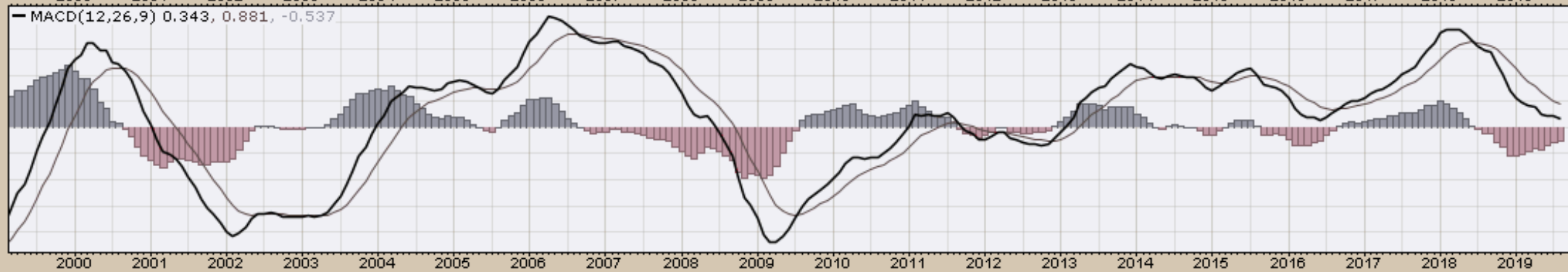
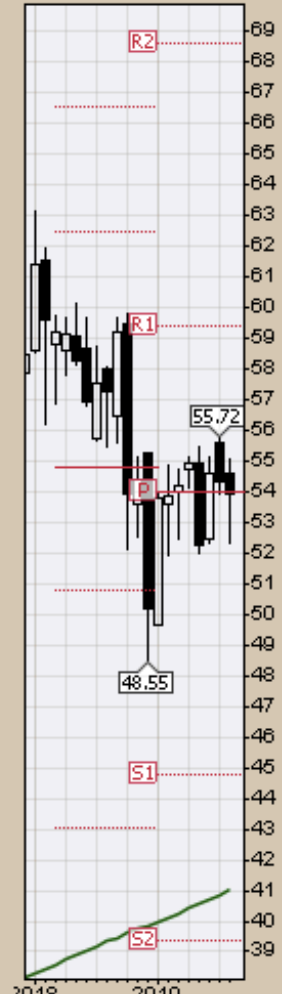
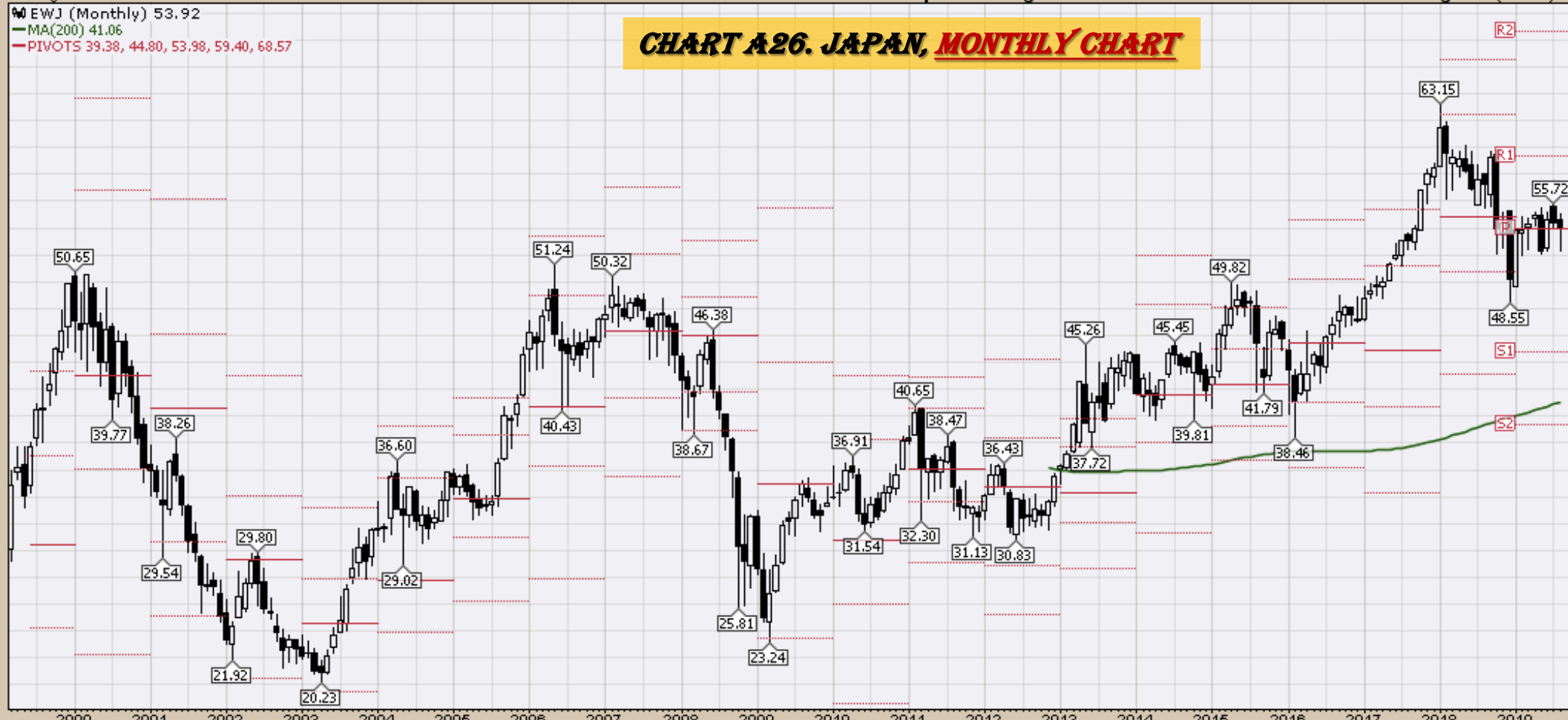
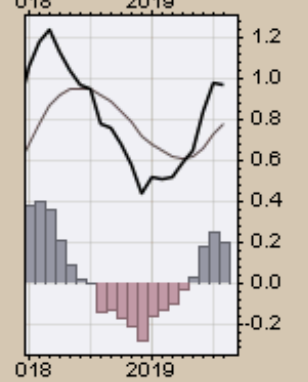
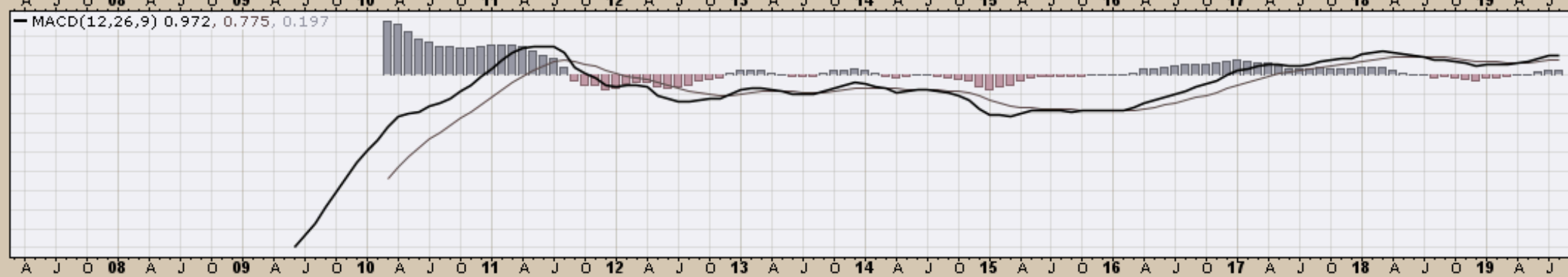
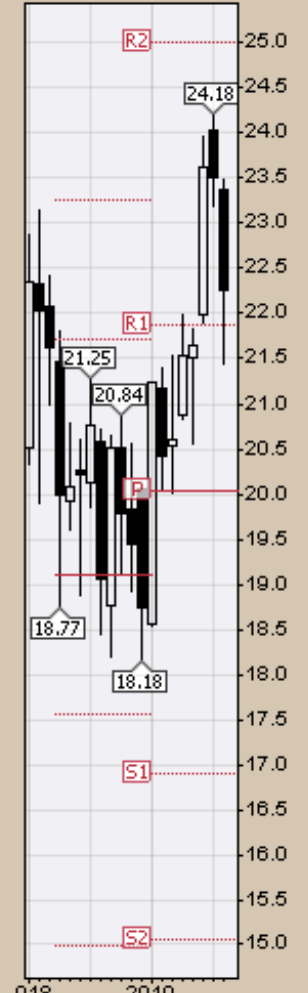


CHART A27. RUSSIA, MONTHLY CHART

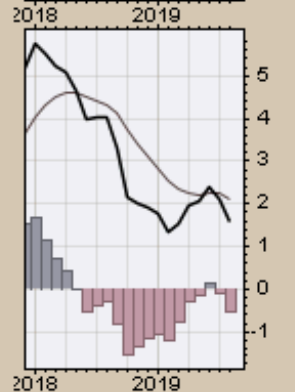
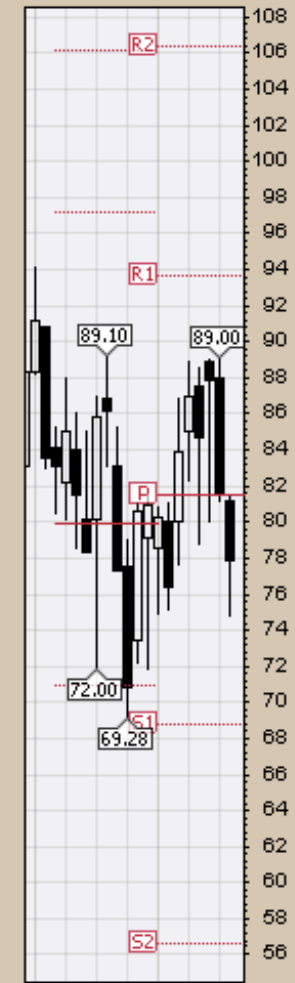
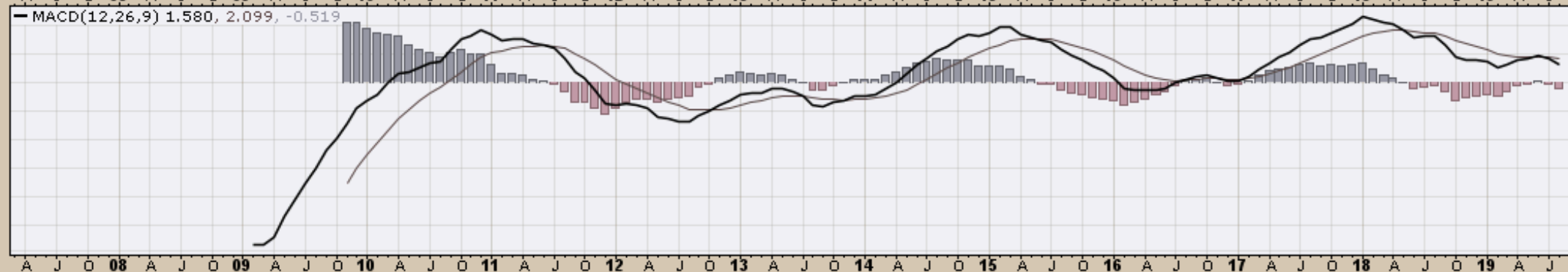
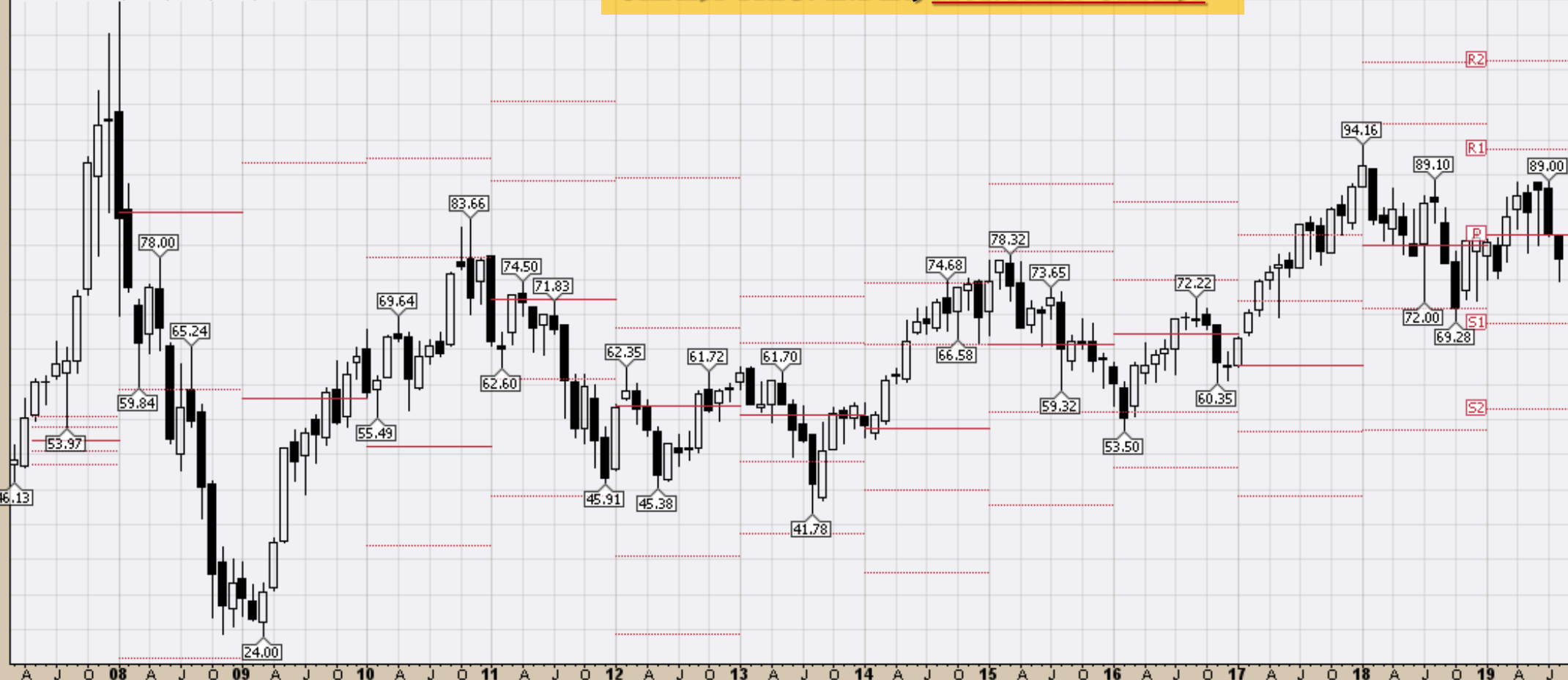


30-Aug-2019

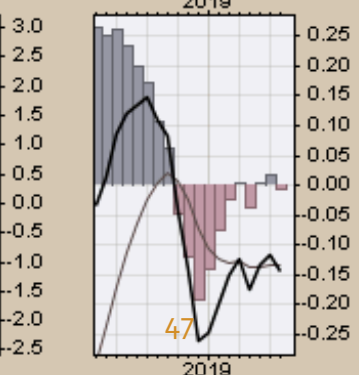
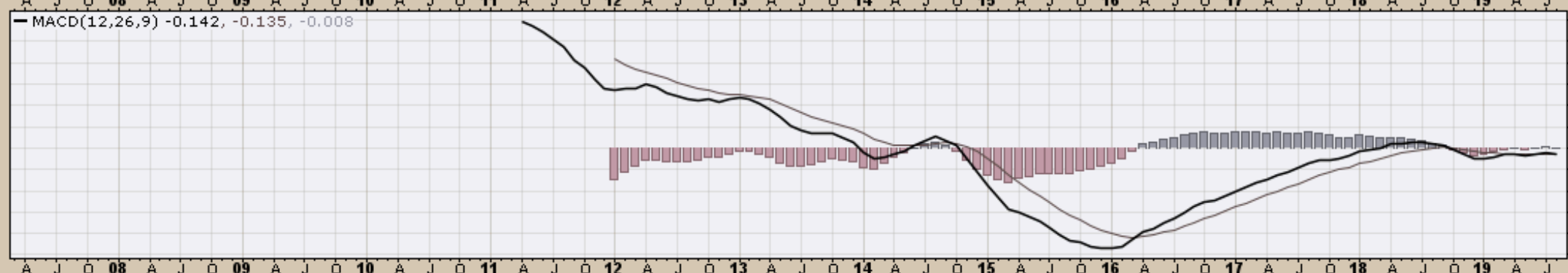
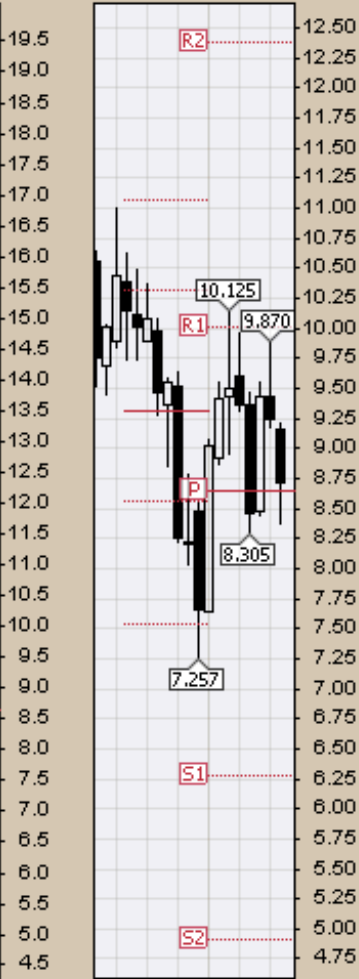
Open 81.14 High 81.46 Low 74.86 Close 77.87 Volume 156.7K Chg -3.78 (-4.63%)

INPTF (Monthly) 77.87
MA(200) undef
PIVOTS 56.57, 68.75, 81.45, 93.63, 106.33

CHART A28. INDIA, MONTHLY CHART



▲ GXG (Monthly) 8.71
— MA(200) undef
— PIVOTS 4.90, 6.28, 8.64, 10.02, 12.37



▲ CMF(20) 0.059

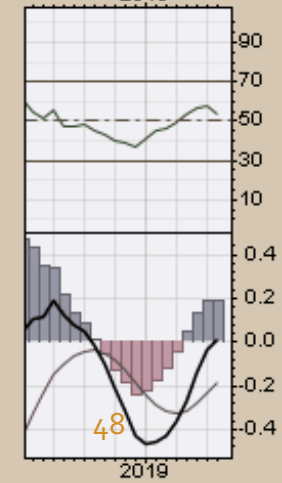
▲ GREK (Monthly) 9.19
— BB(20,2,0) 6.61 - 8.74 - 10.87
— PIVOTS 3.68, 5.27, 8.25, 9.85, 12.83

CHART A30. GREECE MONTHLY CHART



▲ RSI(14) 53.48

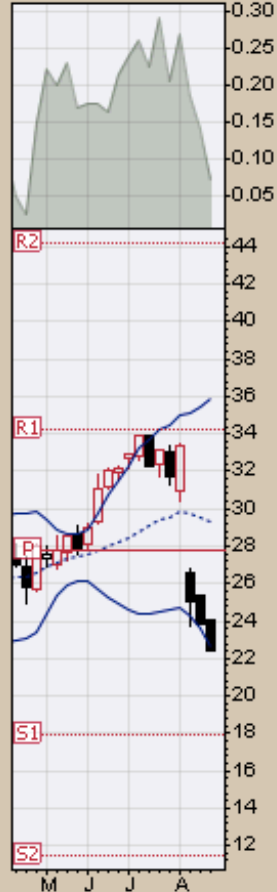
— MACD(12,26,9) 0.010, -0.181, 0.192



▲ CMF(20) 0.072

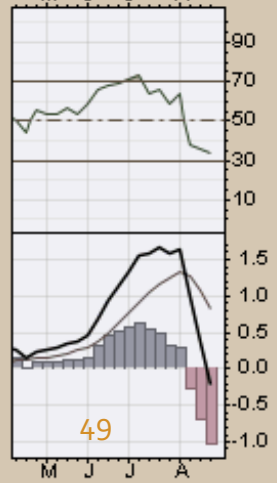
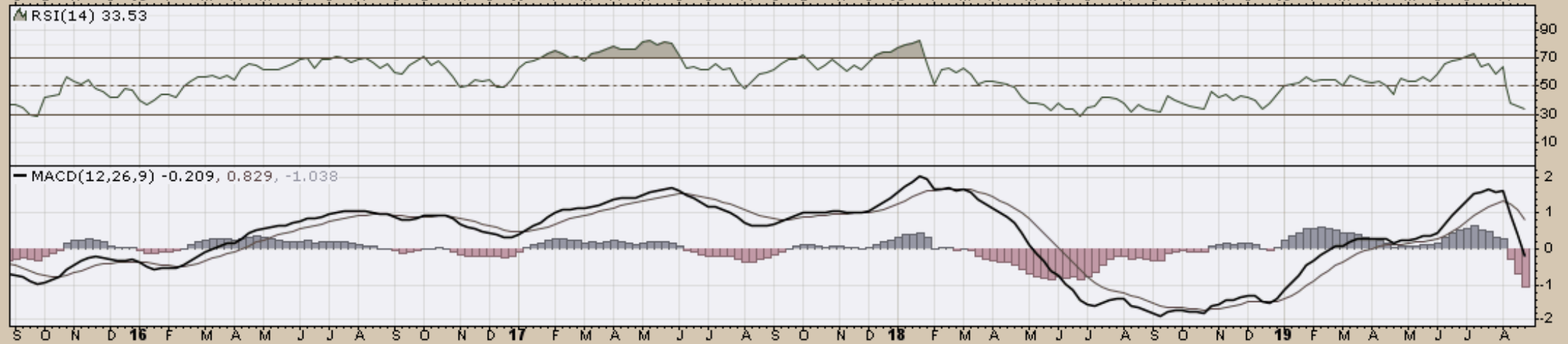
▲ ARGT (Weekly) 22.42
— BB(20,2,0) 22.64 - 29.28 - 35.92
— PIVOTS 11.42, 17.91, 27.78, 34.27, 44.14

CHART A30. GREECE MONTHLY CHART



▲ RSI(14) 33.53

— MACD(12,26,9) -0.209, 0.829, -1.038



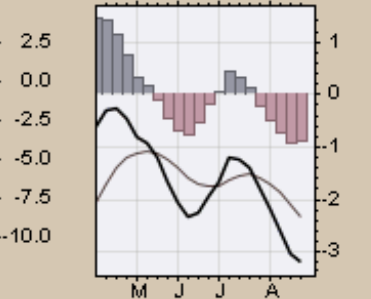
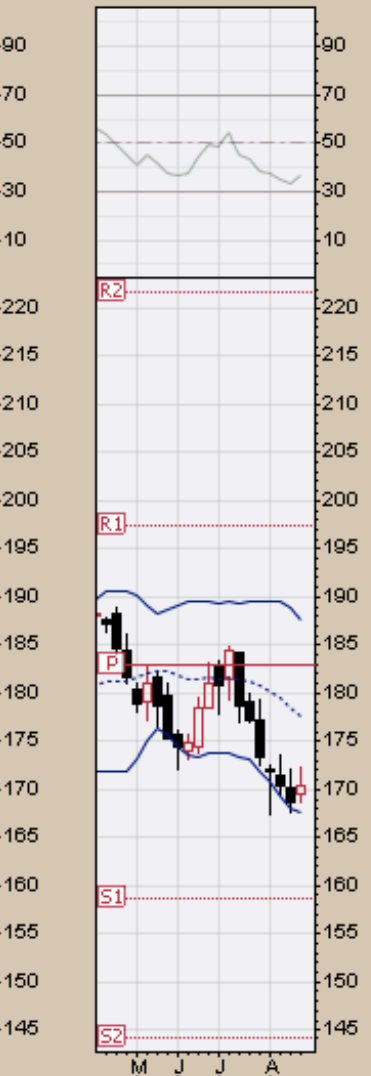
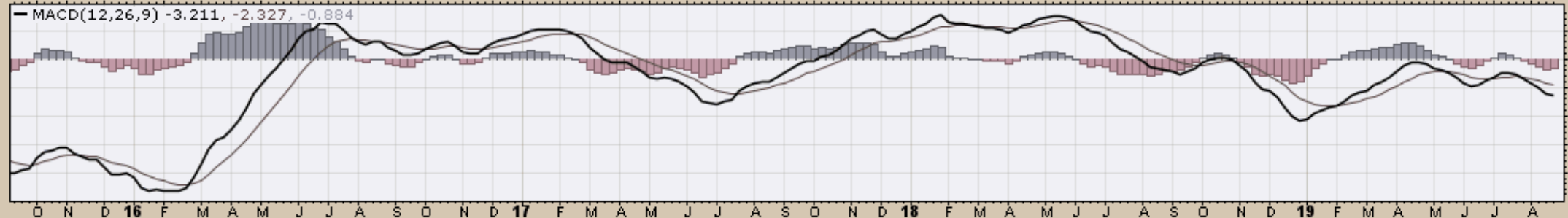
CRB Commodity Index
Weekly, Daily, Monthly and Quarterly Charts

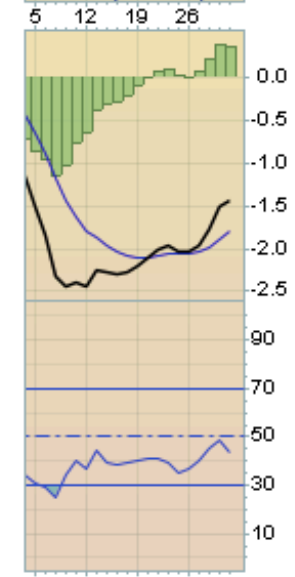
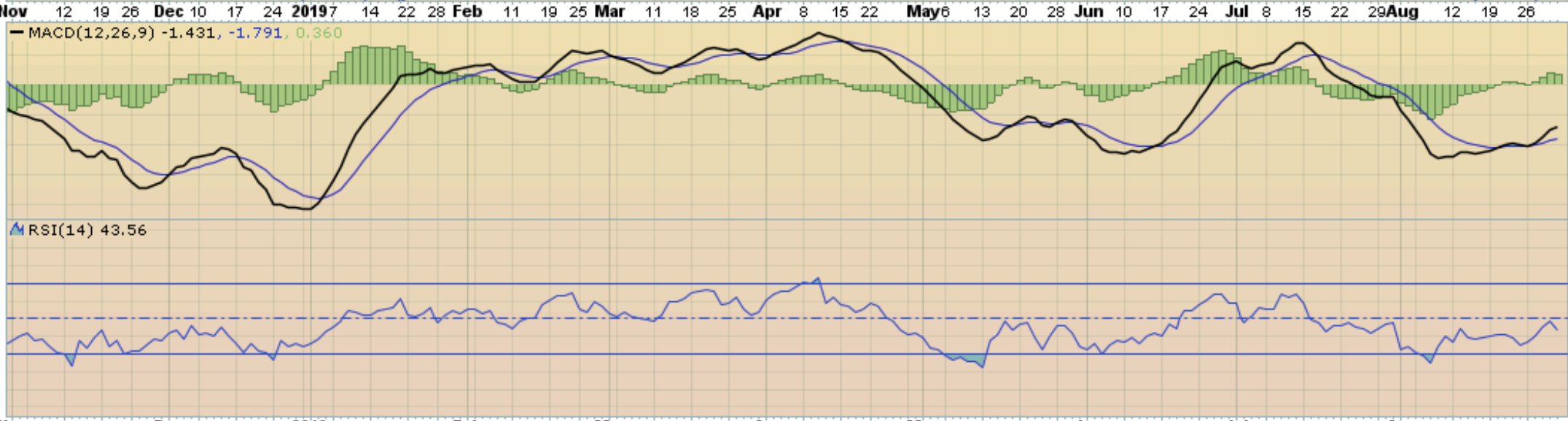
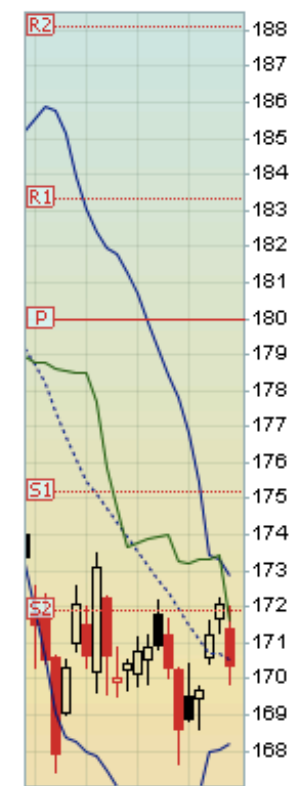
30-Aug-2019

▲ RSI(14) 37.23

CHART B1. \$CRB REUTERS/JEFFERIES CRB INDEX
WEEKLY CHART

▲ \$CRB (Weekly) 170.36
— BB(20,2,0) 167.61 - 177.60 - 187.58
— PIVOTS 144.10, 158.73, 182.84, 197.47, 221.58
■ Volume undef



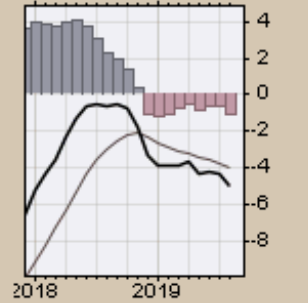
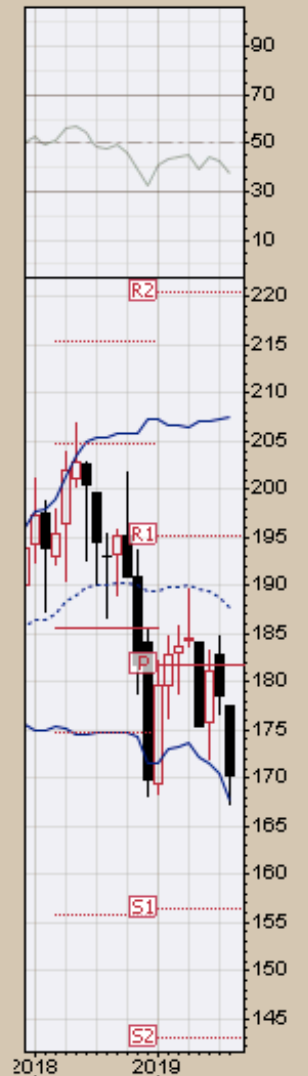
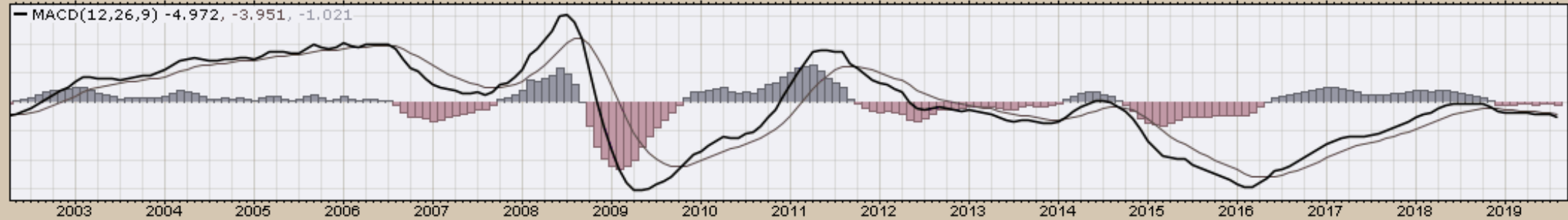


30-Aug-2019

▲ RSI(14) 37.58

▲ \$CRB (Monthly) 170.36
— BB(20,2,0) 167.73 - 187.64 - 207.54
— PIVOTS 142.91, 156.36, 181.65, 195.10, 220.39
■ Volume undef

CHART B3. \$CRB REUTERS/JEFFERIES CRB INDEX MONTHLY CHART



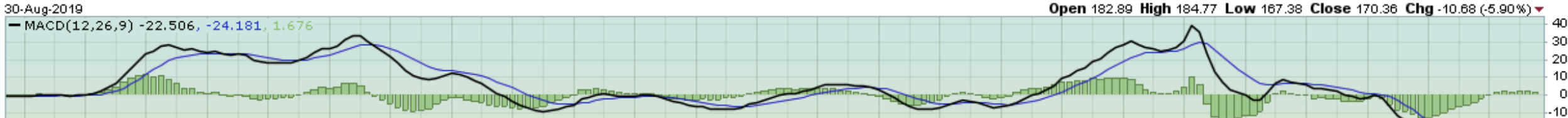


CHART B4. \$CRB REUTERS/JEFFERIES CRB INDEX
QUARTERLY CHART

% \$CRB (Quarterly) 170.36
 MA(50) 258.78
 MA(200) 232.74
 EMA(20) 201.09



— \$CRB (Monthly) 170.36
— MA(200) 268.44
■ Volume undef

CHART B5. \$CRB REUTERS/JEFFERIES CRB INDEX MONTHLY CHART



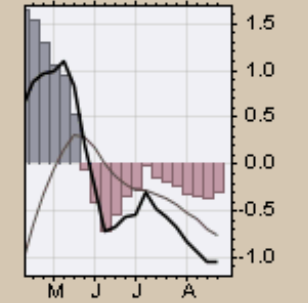
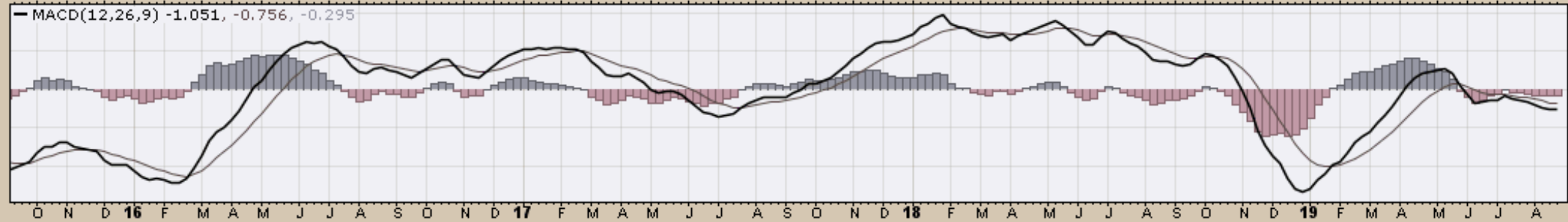
\$WTIC Light Crude Oil
Weekly, Daily, Monthly and Quarterly Charts

30-Aug-2019

▲ CMF(20) -0.072

▲ \$WTIC (Weekly) 55.10
— BB(20,2,0) 50.59 - 57.62 - 64.64
— PIVOTS 21.20, 34.58, 55.74, 69.12, 90.28

CHART B6. \$WTIC, WEEKLY CHART

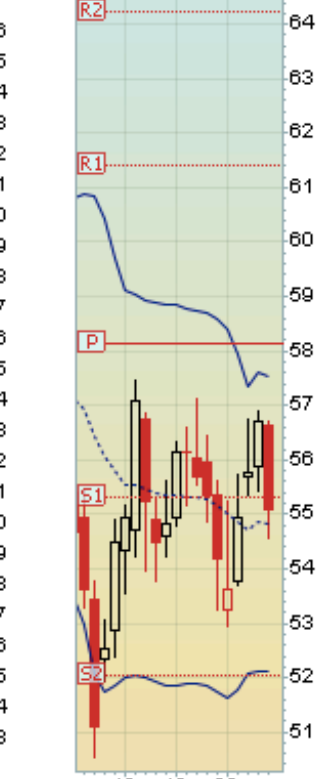


30-Aug-2019

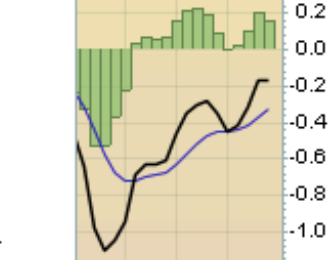
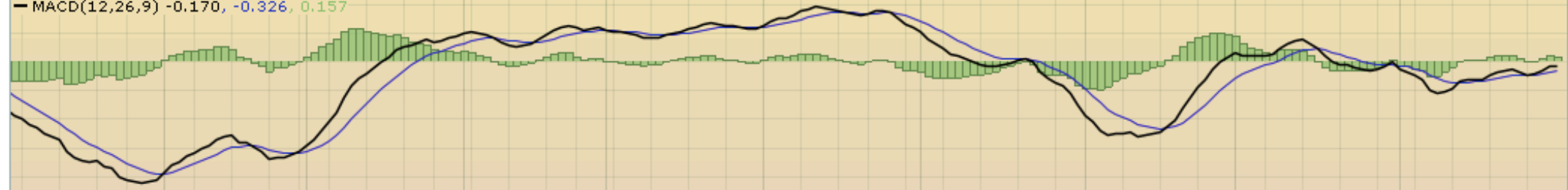
Open 56.63 High 56.72 Low 54.55 Close 55.10 Volume 69.9M Chg -1.61 (-2.84%)

Light Crude Oil - Continuous Contract (EOD) (Daily) 55.10

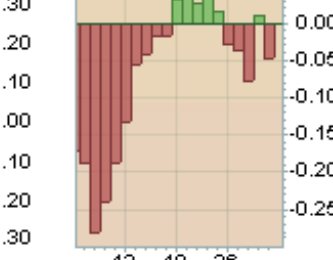
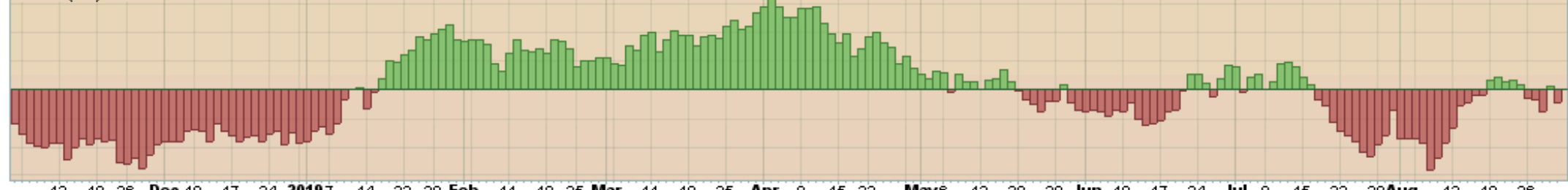
BB(20,2,0) 52.11 - 54.83 - 57.55
PIVOTS 52.03, 55.31, 58.12, 61.40, 64.21



12 19 26 Dec 10 17 24 2017 14 22 28 Feb 11 19 25 Mar 11 18 25 Apr 8 15 22 May 6 13 20 28 Jun 10 17 24 Jul 8 15 22 29 Aug 12 19 26



12 19 26 Dec 10 17 24 2017 14 22 28 Feb 11 19 25 Mar 11 18 25 Apr 8 15 22 May 6 13 20 28 Jun 10 17 24 Jul 8 15 22 29 Aug 12 19 26

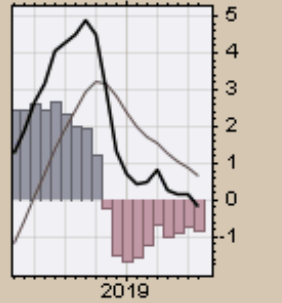
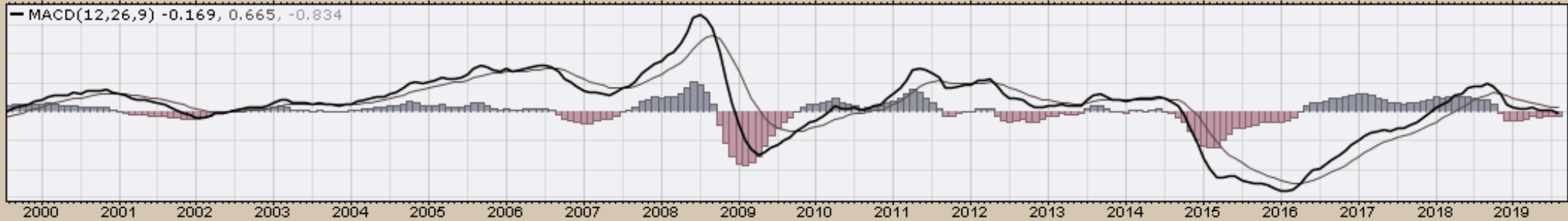
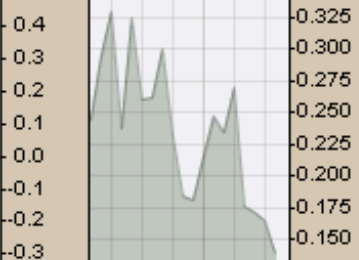


12 19 26 Dec 10 17 24 2017 14 22 28 Feb 11 19 25 Mar 11 18 25 Apr 8 15 22 May 6 13 20 28 Jun 10 17 24 Jul 8 15 22 29 Aug 12 19 26

▲ CMF(20) 0.139

CHART B8. \$WTIC, MONTHLY CHART

▲ \$WTIC (Monthly) 55.10
— BB(20,2,0) 46.83 - 61.76 - 76.69
— PIVOTS 20.35, 32.88, 54.89, 67.42, 89.43



— \$WTIC (Monthly) 55.10
— MA(200) 68.54

CHART B9A. \$WTIC, MONTHLY CHART



MACD(12,26,9) -4.027, -5.036, 1.009

\$WTIC (Quarterly) 55.10

MA(50) 75.03

MA(200) undef

EMA(20) 61.00

CHART B9B. \$WTIC, QUARTERLY CHART



Soybeans

Weekly, Daily, Monthly and Quarterly Charts

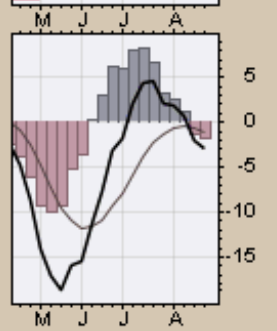
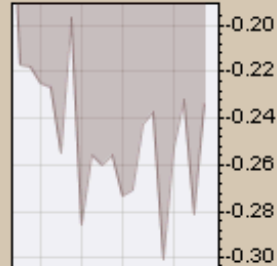
▲ CMF(20) -0.234

▲ \$SOYB (Weekly) 869.00
— BB(20,2,0) 810.83 - 875.94 - 941.04
— PIVOTS 668.50, 795.00, 938.75, 1065.25, 1209.00

CHART B10. SOYBEANS, WEEKLY CHART

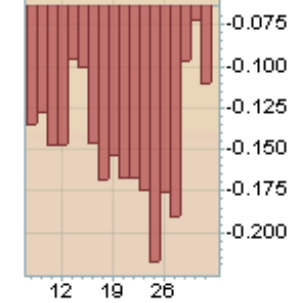
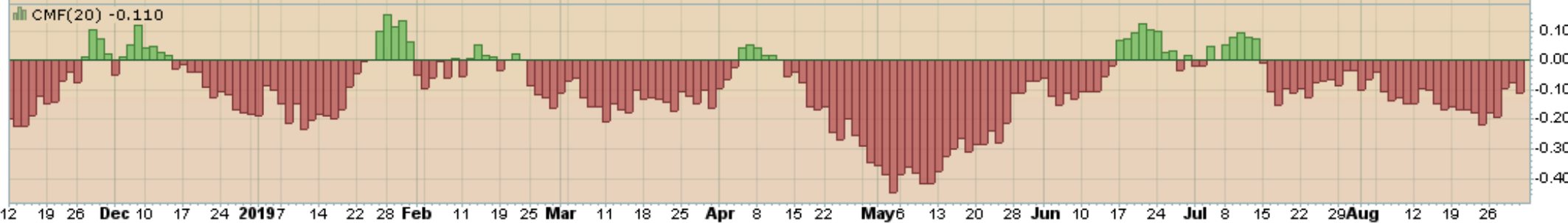
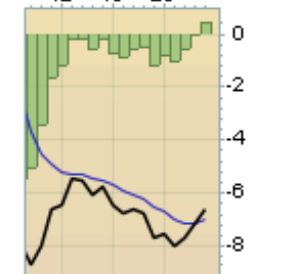
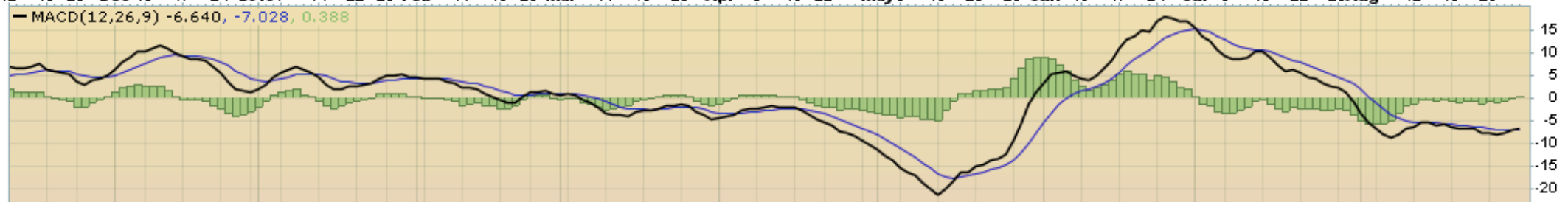
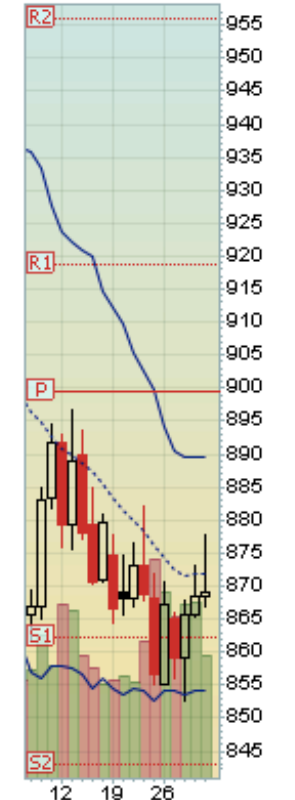


— MACD(12,26,9) -3.001, -1.147, -1.854



Soybeans - Continuous Contract (EOD) (Daily) 869.00
BB(20,2,0) 854.07 - 871.78 - 889.48
PIVOTS 842.83, 862.17, 899.33, 918.67, 955.83
Volume 81,645

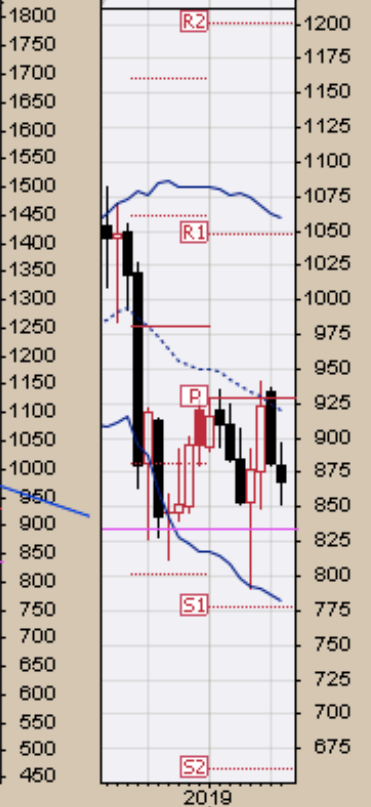
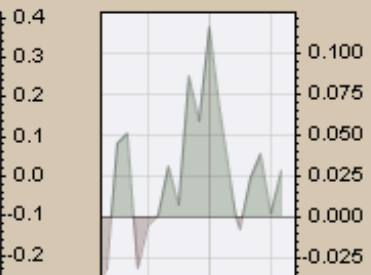
CHART B11. SOYBEANS, DAILY CHART



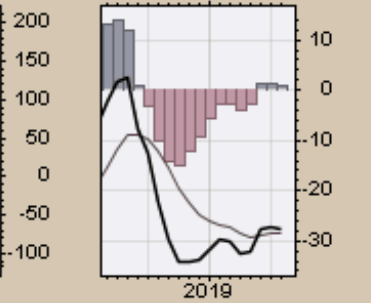
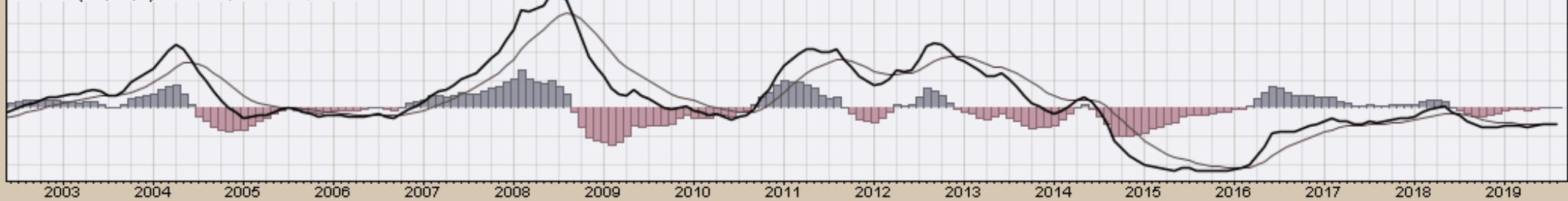
▲ CMF(20) 0.028

CHART B12. SOYBEANS, MONTHLY CHART

▲ \$SOYB (Monthly) 869.00
— BB(20,2,0) 781.50 - 920.38 - 1059.25
— PIVOTS 659.67, 777.33, 929.92, 1047.58, 1200.17

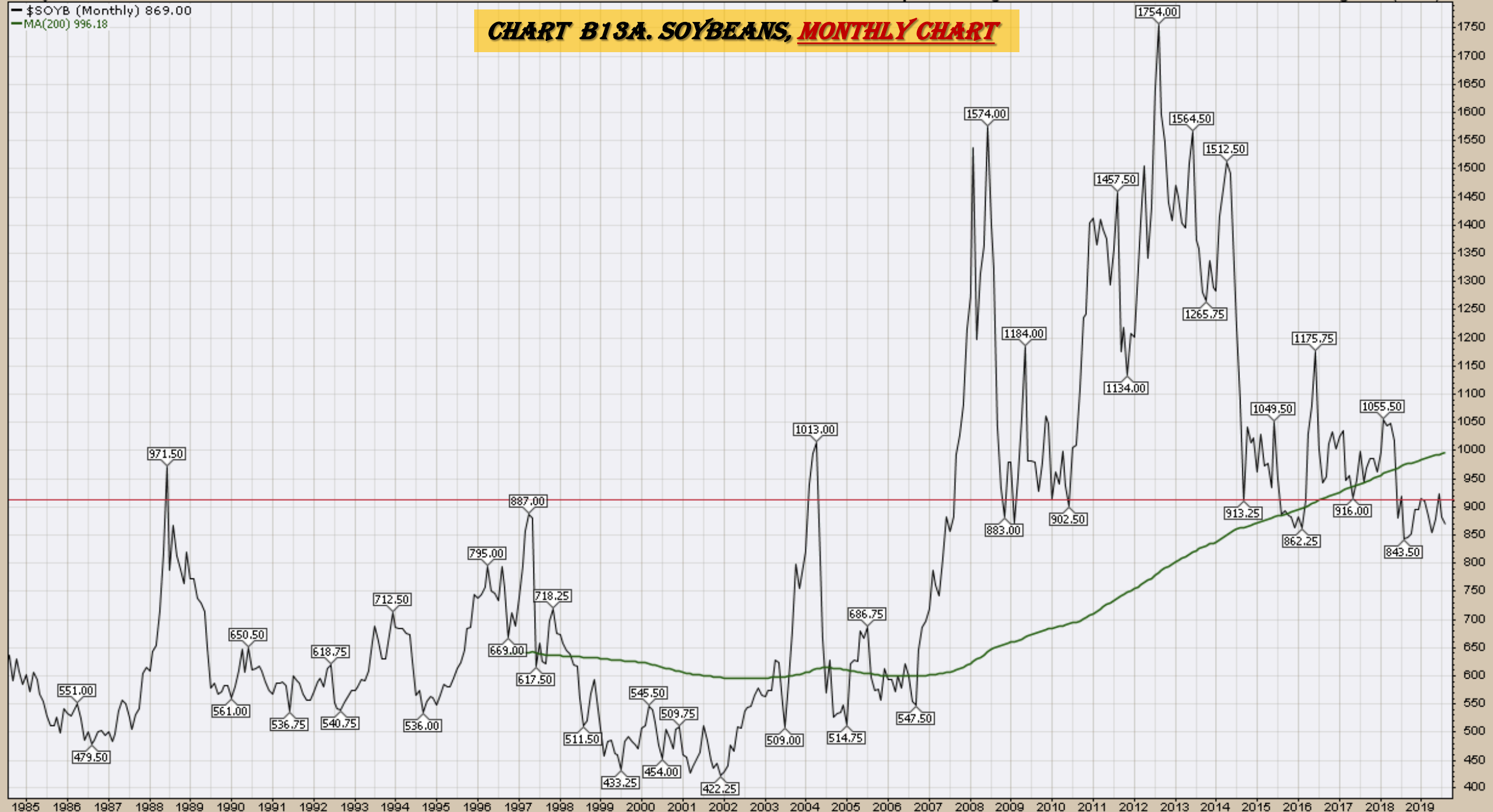


— MACD(12,26,9) -27.597, -28.310, 0.713



— \$SOYB (Monthly) 869.00
— MA(200) 996.18

CHART B13A. SOYBEANS, MONTHLY CHART



MACD(12,26,9) -61.455, -53.663, -7.792



\$SOYB (Quarterly) 869.00

CHART B13B. SOYBEANS, QUARTERLY CHART



RSI(14) 44.27



Full STO %K(14,3) %D(3) 22.82, 20.73



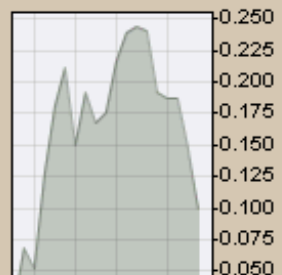
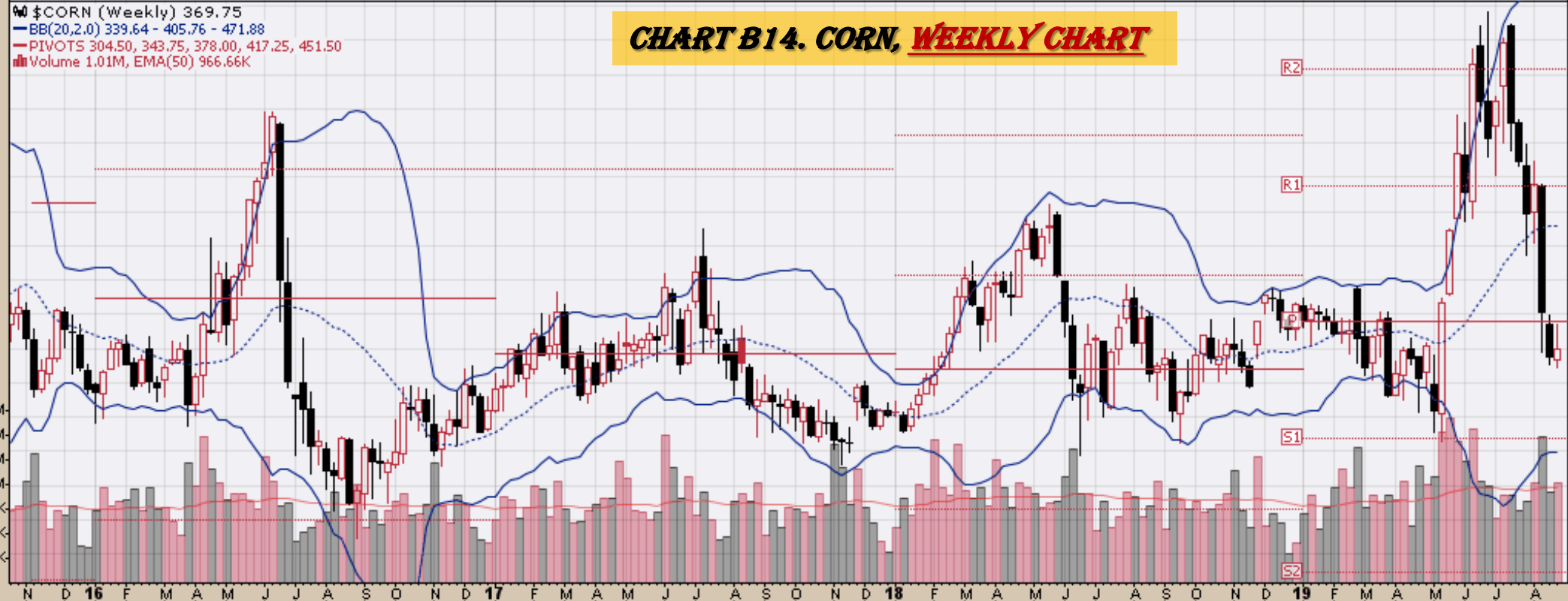
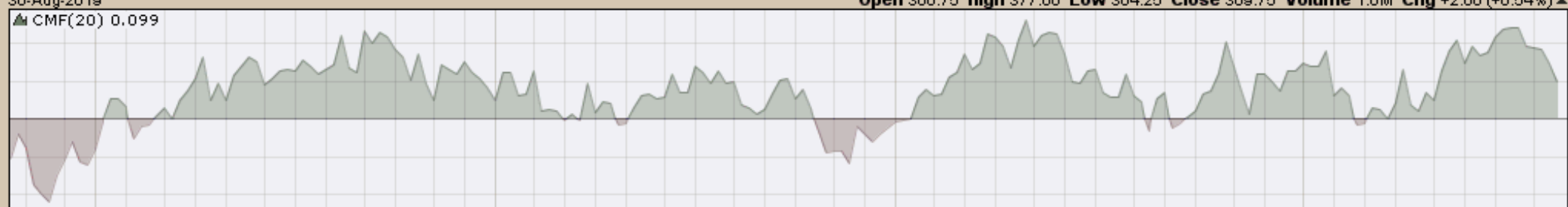
Corn

Weekly, Daily, Monthly and Quarterly Charts

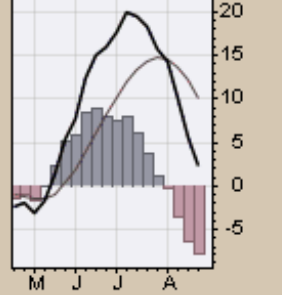
▲ CMF(20) 0.099

90 \$CORN (Weekly) 369.75
— BB(20,2,0) 339.64 - 405.76 - 471.88
— PIVOTS 304.50, 343.75, 378.00, 417.25, 451.50
■ Volume 1.01M, EMA(50) 966.66K

CHART B14. CORN, WEEKLY CHART

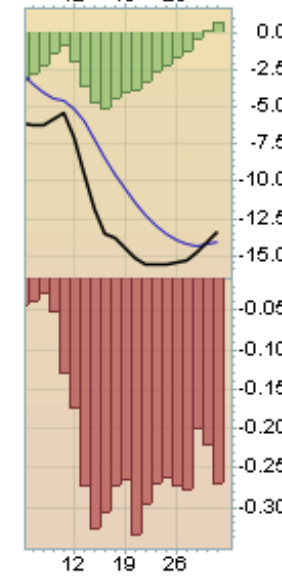
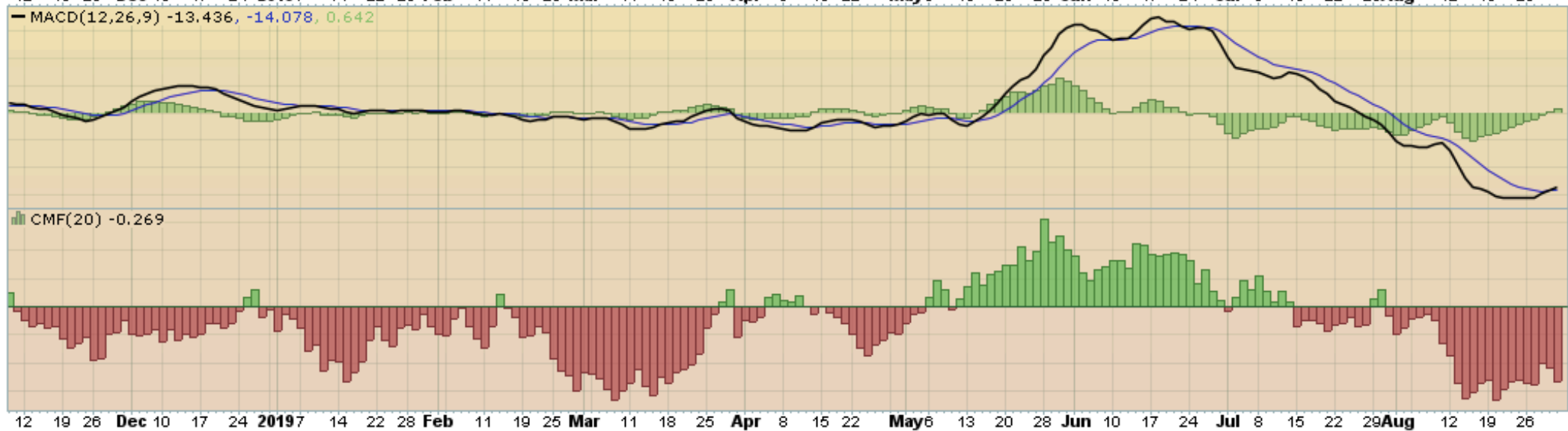


— MACD(12,26,9) 2.221, 10.144, -7.923



Corn - Continuous Contract (EOD) (Daily) 369.75
 BB(20,2,0) 344.62 - 383.36 - 422.11
 PIVOTS 372.83, 391.42, 428.08, 446.67, 483.33
 CHANDLR(22,3,0) 395.67
 Volume 149,585

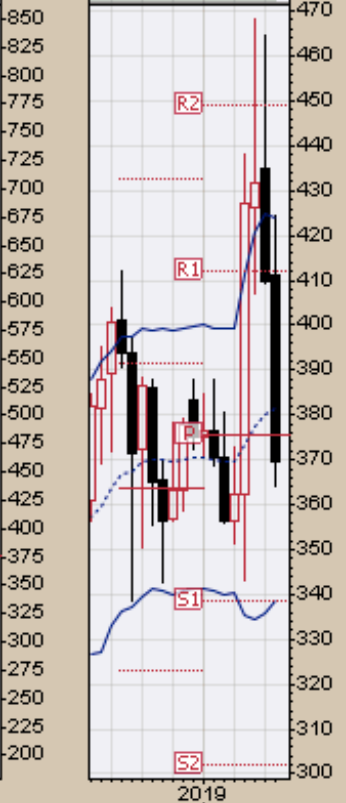
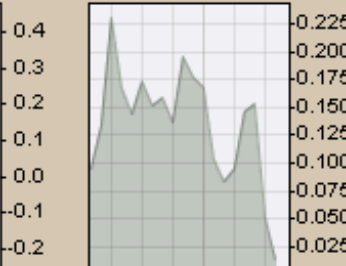
CHART B15. CORN, DAILY CHART



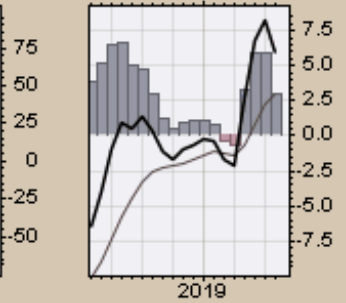
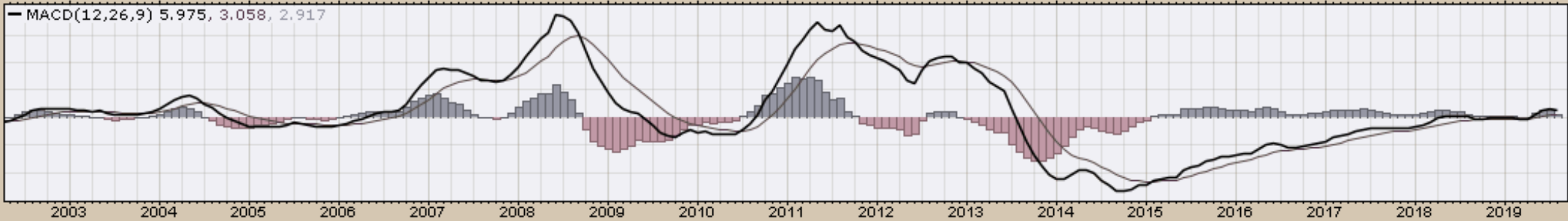
▲ CMF(20) 0.013

CHART B16. CORN, MONTHLY CHART

▲ \$CORN (Monthly) 369.75
— BB(20,2,0) 338.75 - 381.27 - 423.80
— PIVOTS 301.83, 338.42, 375.33, 411.92, 448.83

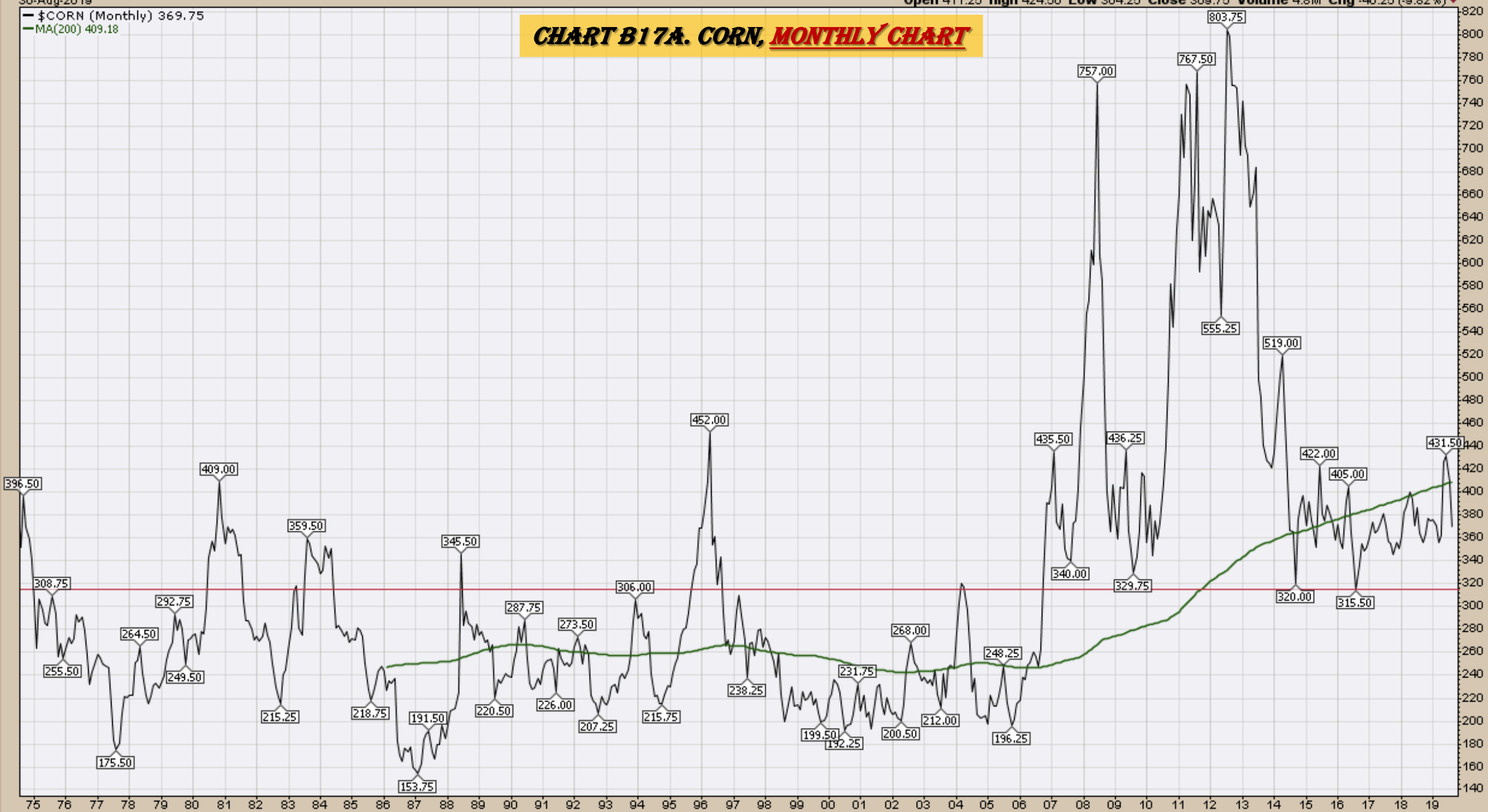


— MACD(12,26,9) 5.975, 3.058, 2.917



— \$CORN (Monthly) 369.75
— MA(200) 409.18

CHART B17A. CORN, MONTHLY CHART



MACD(12,26,9) -20.589, -26.610, 6.021

% \$CORN (Quarterly) 369.75

MA(50) 459.61

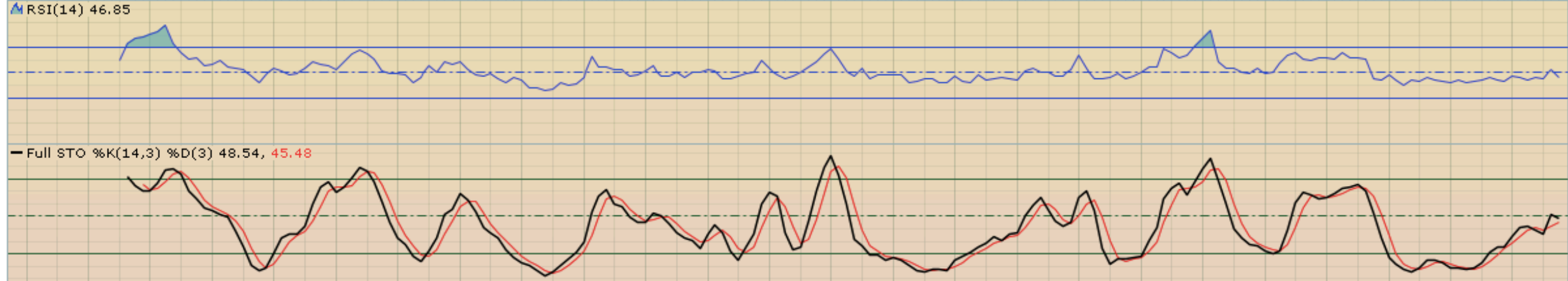
MA(200) 300.24

EMA(20) 392.08

CHART B17B. CORN, QUARTERLY CHART



RSI(14) 46.85



Full STO %K(14,3) %D(3) 48.54, 45.48

Rice

CHART B18. ROUGH RICE, NEARBY, 20 YEAR



12.609

11.670

11.175

9.742

8.309

7.500

6.876

5.000

2.500

75

CHART B19. ROUGH RICE, NEARBY, 5 YEAR



CHART B20. ROUGH RICE , NOVEMBER, 1 YEAR



Cotton

Weekly, Daily, Monthly and Quarterly Charts

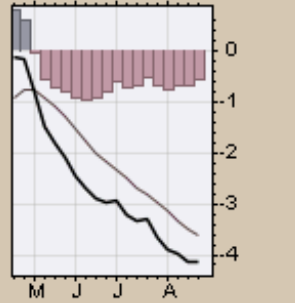
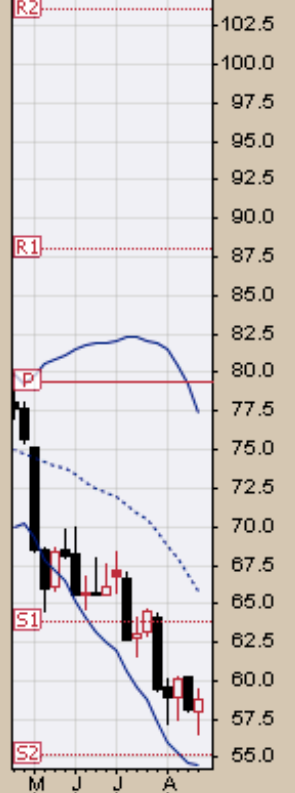
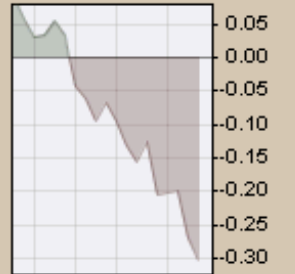
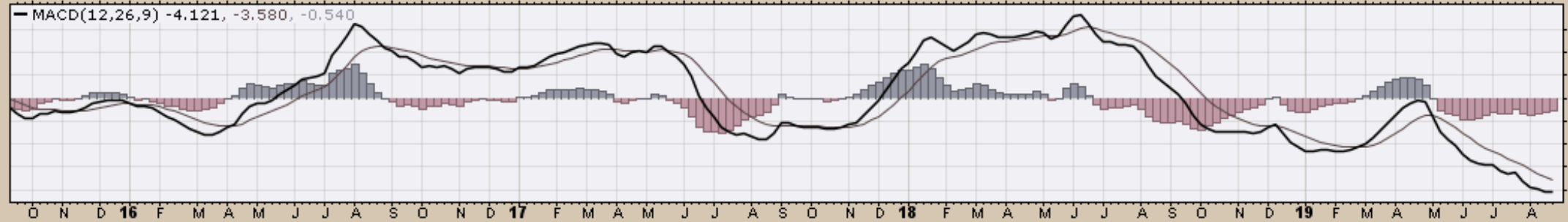
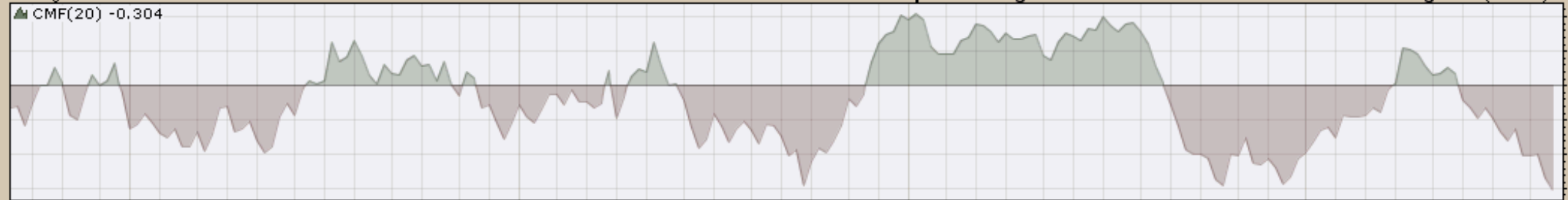
30-Aug-2019

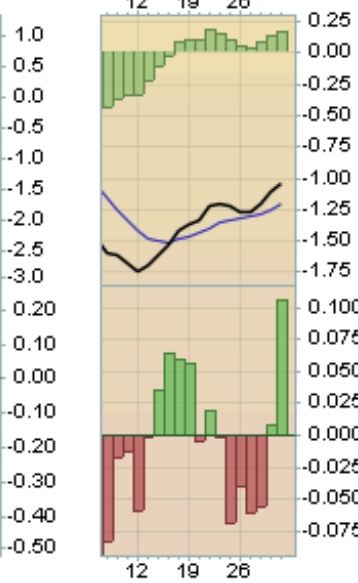
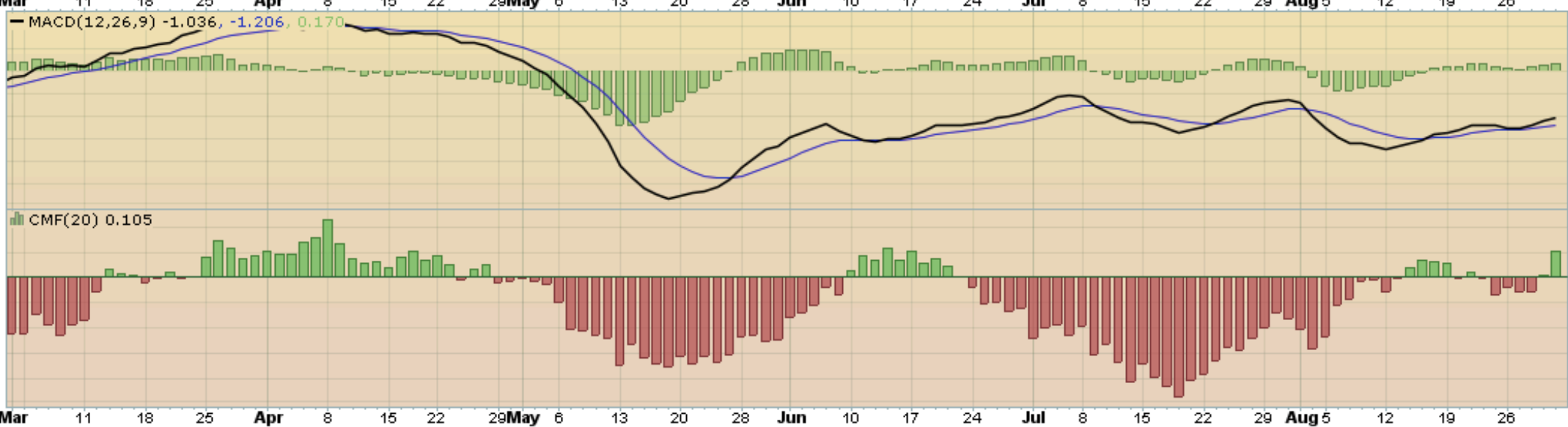
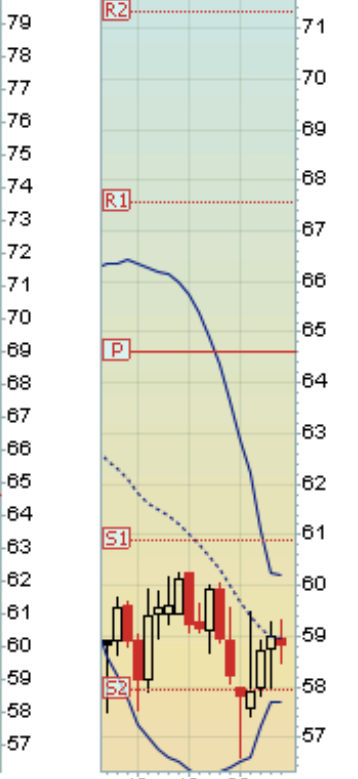
Open 57.97 High 59.49 Low 56.59 Close 58.83 Volume 75.1K Chg +0.62 (+1.07%) ▲

▲ CMF(20) -0.304

▲ \$COTTON (Weekly) 58.83
— BB(20,2,0) 54.42 - 65.91 - 77.40
— PIVOTS 55.16, 63.84, 79.33, 88.01, 103.50

CHART B21. COTTON, WEEKLY CHART





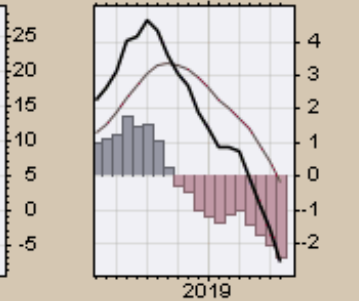
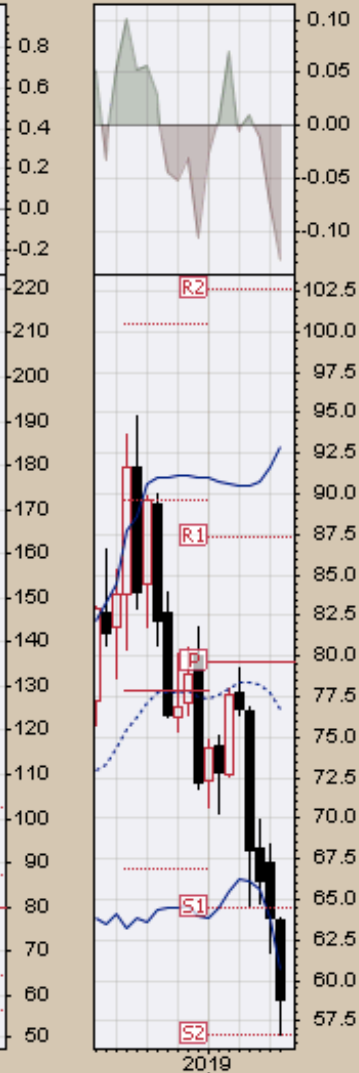
▲ CMF(20) -0.127

CHART B23. COTTON, MONTHLY CHART

☞ \$COTTON (Monthly) 58.83
— BB(20,2,0) 60.64 - 76.78 - 92.93
— PIVOTS 56.68, 64.44, 79.63, 87.39, 102.58

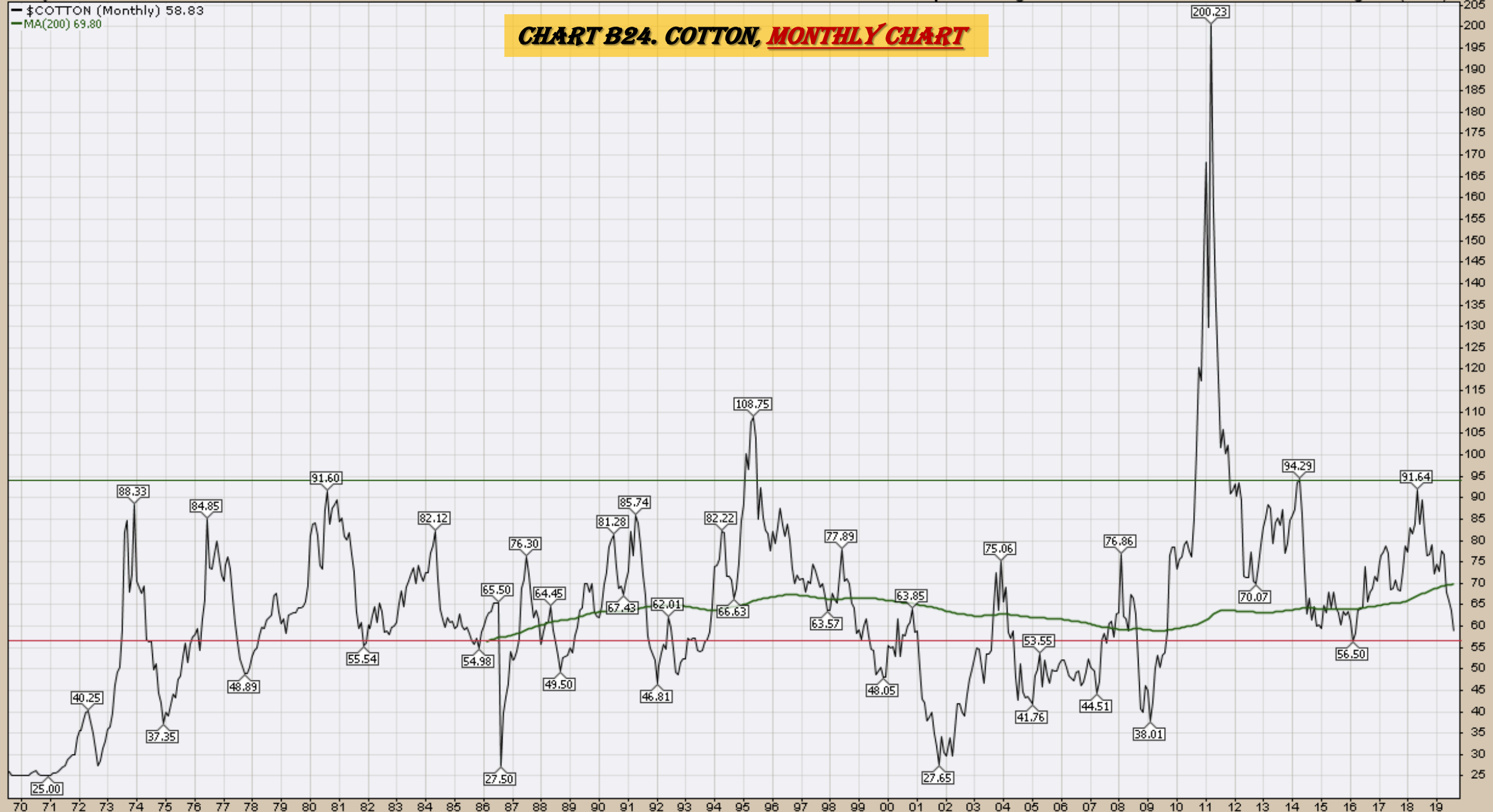


— MACD(12,26,9) -2.578, -0.161, -2.417



— \$COTTON (Monthly) 58.83
— MA(200) 69.80

CHART B24. COTTON, MONTHLY CHART



MACD(12,26,9) -1.593, -0.923, -0.670

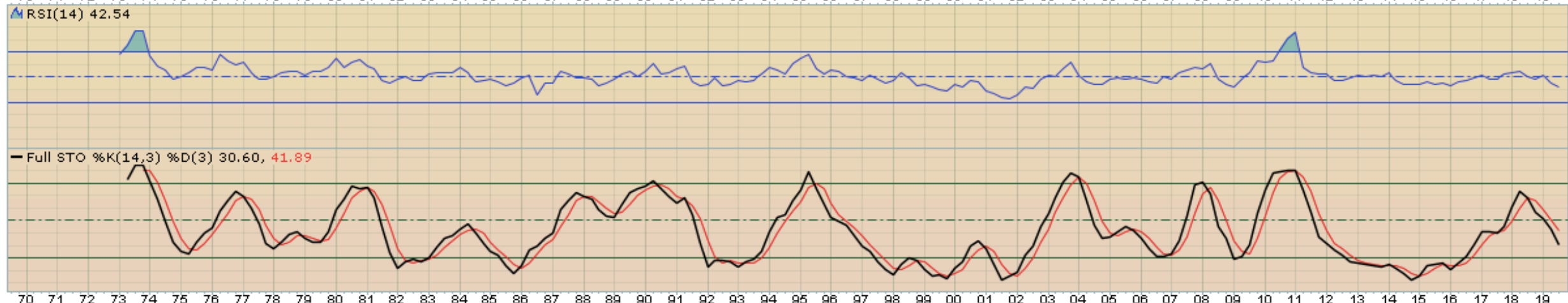
CHART B24B. COTTON, QUARTERLY CHART

% \$COTTON (Quarterly) 58.83

MA(50) 76.40

MA(200) 63.22

EMA(20) 72.35



Wheat

Weekly, Daily, Monthly and Quarterly Charts

30-Aug-2019

▲ CMF(20) 0.069

W \$WHEAT (Weekly) 462.50

— BB(20,2,0) 424.06 - 487.83 - 551.59

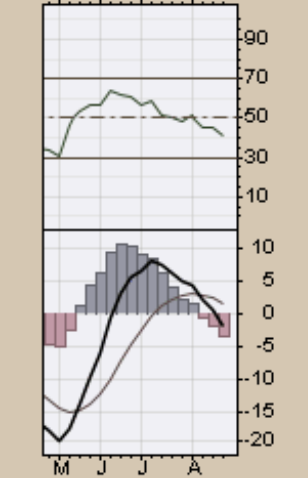
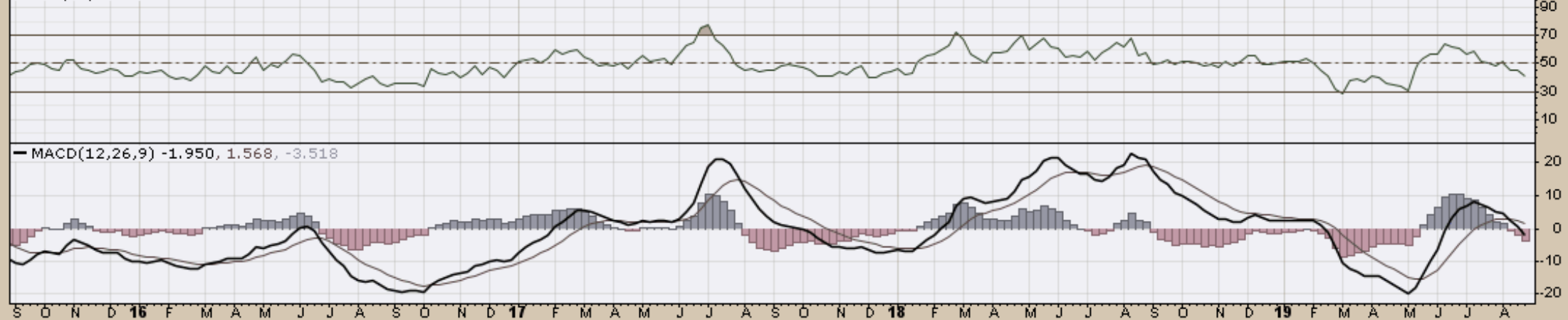
— PIVOTS 328.00, 422.50, 507.75, 602.25, 687.50

CHART B25. WHEAT, WEEKLY CHART



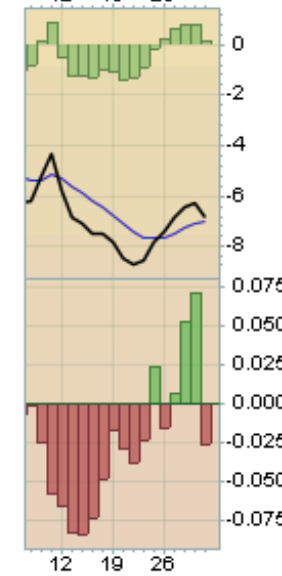
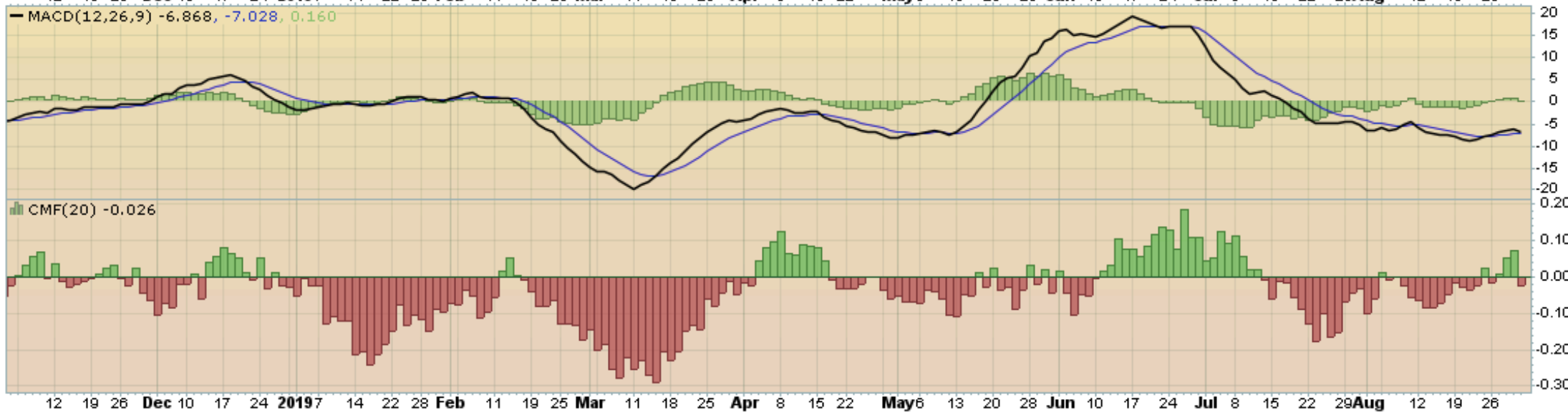
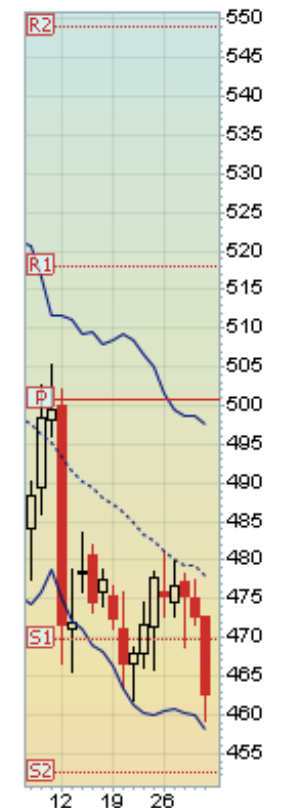
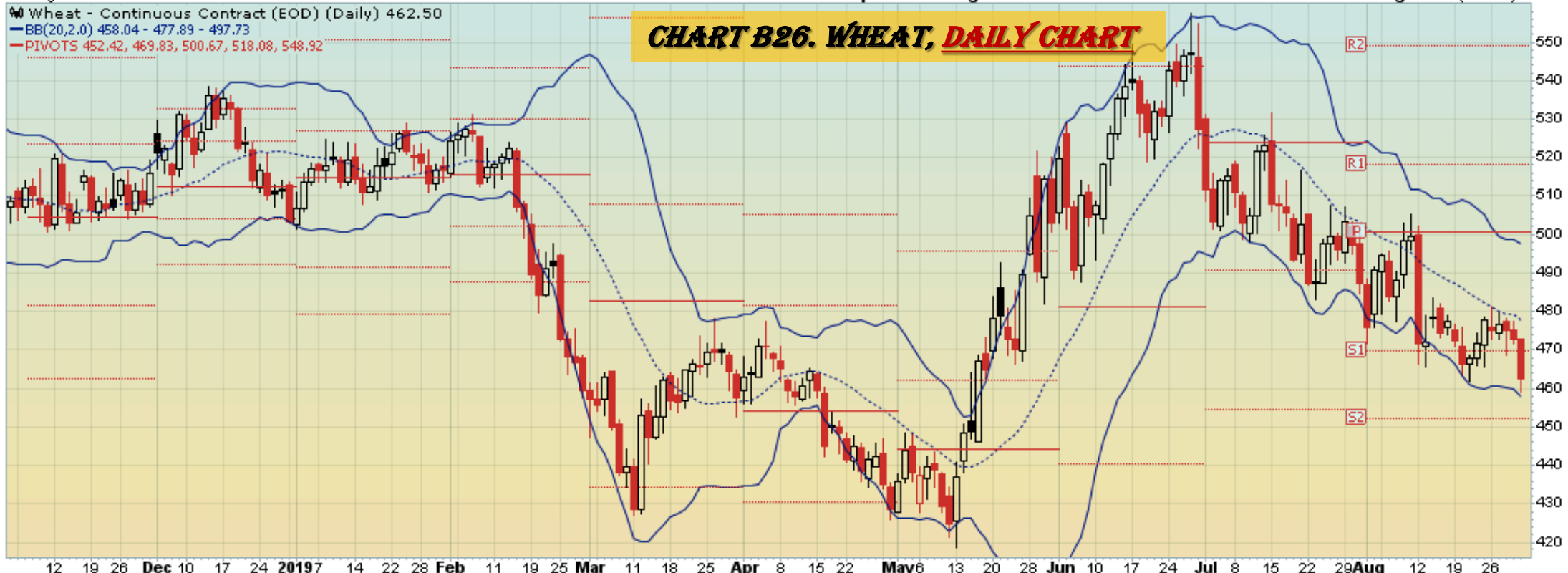
▲ RSI(14) 40.82

— MACD(12,26,9) -1.950, 1.568, -3.518



Wheat - Continuous Contract (EOD) (Daily) 462.50
BB(20,2,0) 458.04 - 477.89 - 497.73
PIVOTS 452.42, 469.83, 500.67, 518.08, 548.92

CHART B26. WHEAT, DAILY CHART



30-Aug-2019

▲ CMF(20) -0.016

▲ \$WHEAT (Monthly) 462.50
— BB(20,2,0) 429.72 - 495.30 - 560.88
— PIVOTS 323.42, 413.33, 503.17, 593.08, 682.92

CHART B27. WHEAT, MONTHLY CHART



— MACD(12,26,9) 1.741, 4.634, -2.893

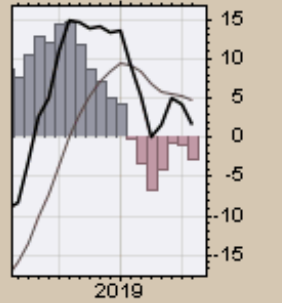
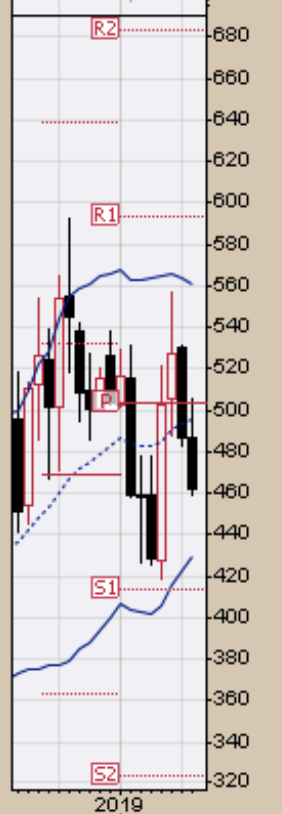
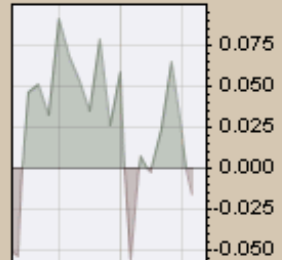
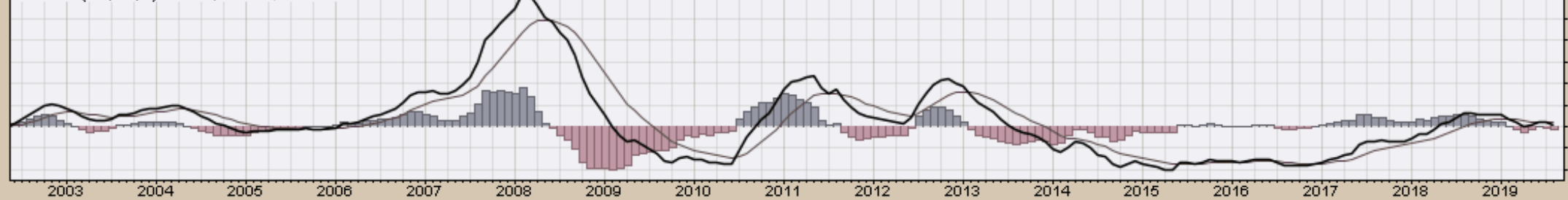


CHART B28A. WHEAT, MONTHLY CHART



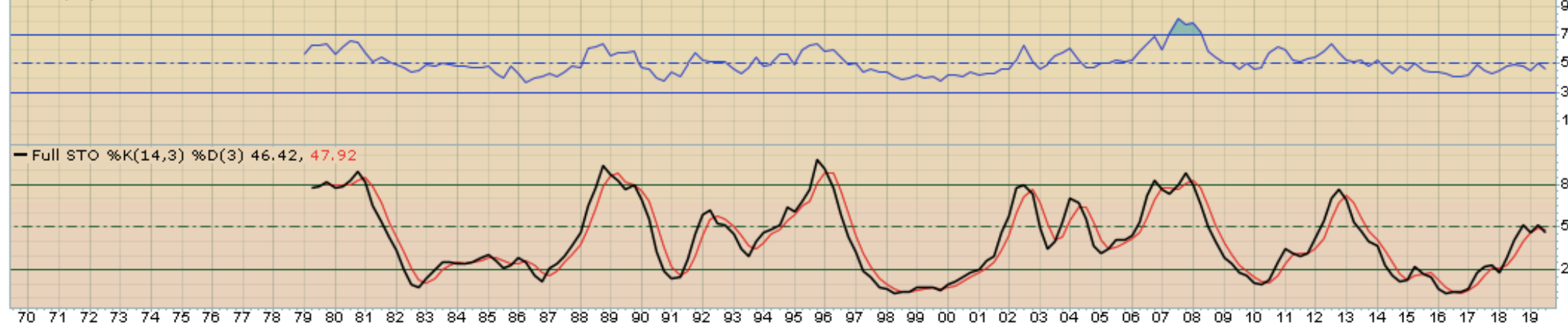
MACD(12,26,9) -25.489, -31.824, 6.335

CHART B28B. WHEAT, QUARTERLY CHART

% \$WHEAT (Quarterly) 462.50
 MA(50) 595.08
 MA(200) undef
 EMA(20) 500.43

RSI(14) 46.44

Full STO %K(14,3) %D(3) 46.42, 47.92



S&P Sectors

Sector Chart Book Index

Market Outlook Considerations for Week Beginning August 12, 2019

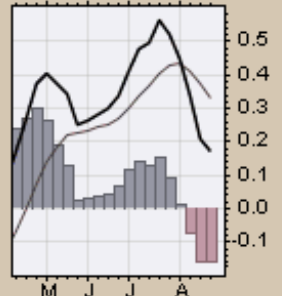
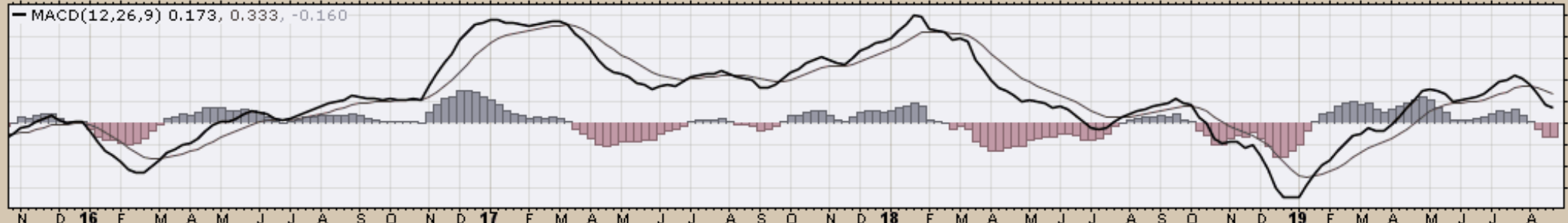
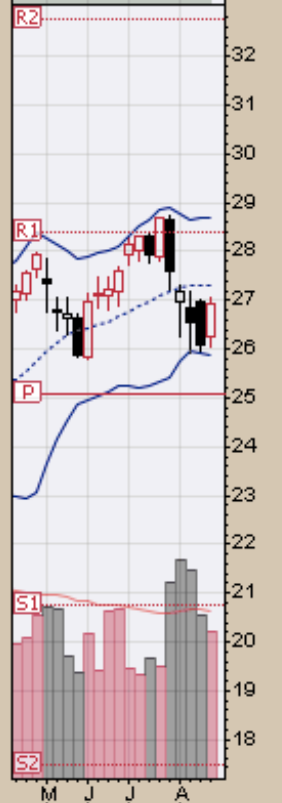
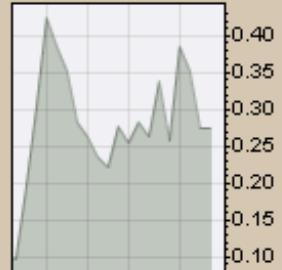
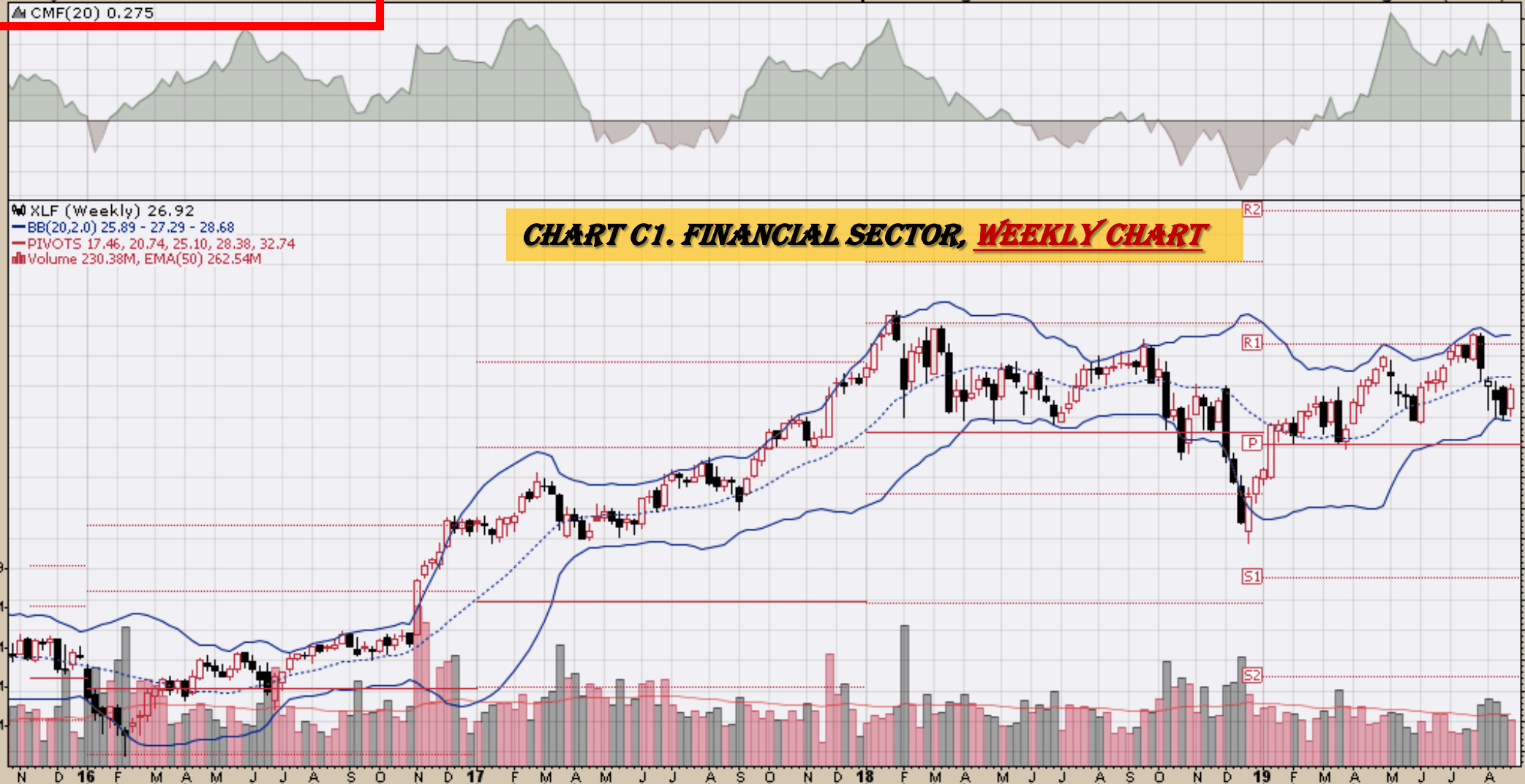
Chart Book Index - Sectors

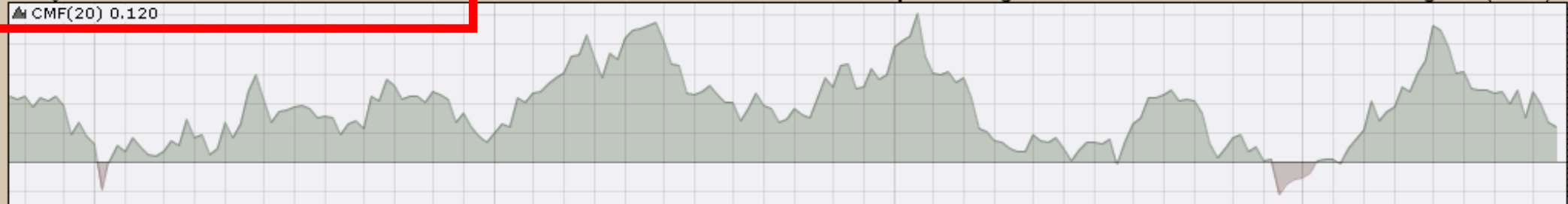
- Chart C1. Financial Sector, Weekly Chart
- Chart C2. Health Care Sector, Weekly Chart
- Chart C3. Technology Sector, Weekly Chart
- Chart C4. Industrial Sector, Weekly Chart
- Chart C5. Materials Sector, Weekly Chart
- Chart C6. Energy Sector, Weekly Chart
- Chart C7. Utilities Sector, Weekly Chart
- Chart C8. Consumer Staples, Weekly Chart
- Chart C9. Consumer Discretionary, Weekly Chart

Continued Next Slide

CHART C1. FINANCIAL SECTOR, WEEKLY CHART

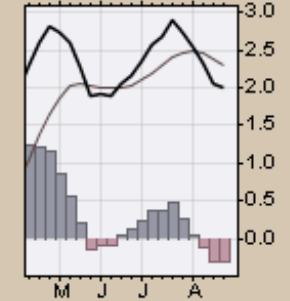
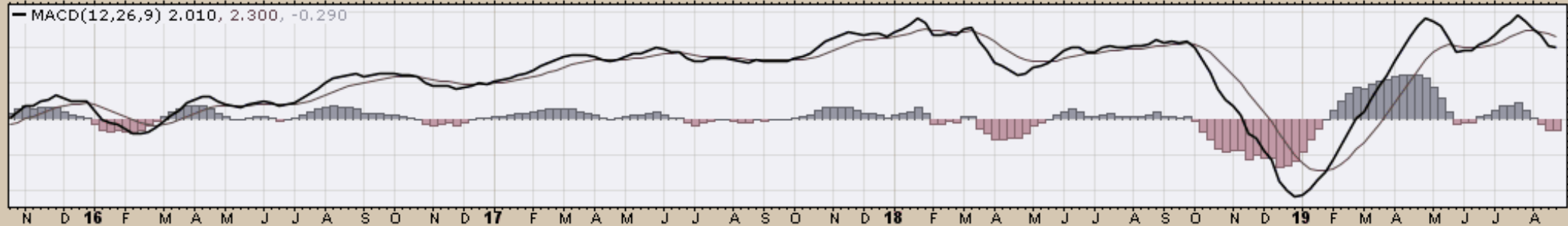
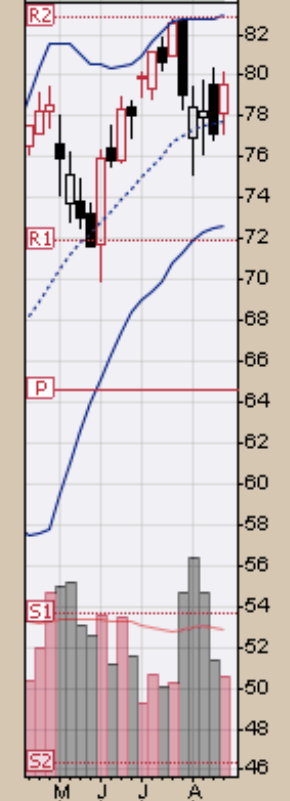
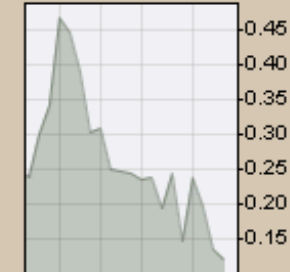
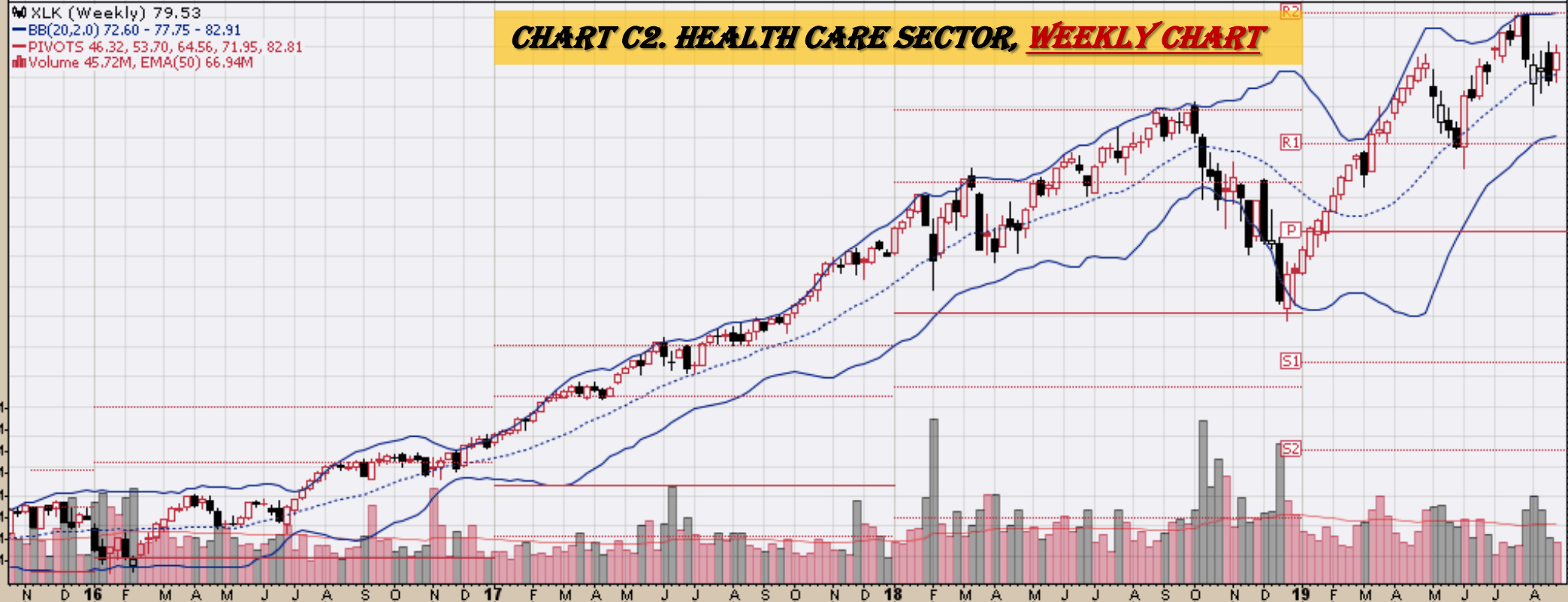
XLF (Weekly) 26.92
BB(20,2,0) 25.89 - 27.29 - 28.68
PIVOTS 17.46, 20.74, 25.10, 28.38, 32.74
Volume 230.38M, EMA(50) 262.54M

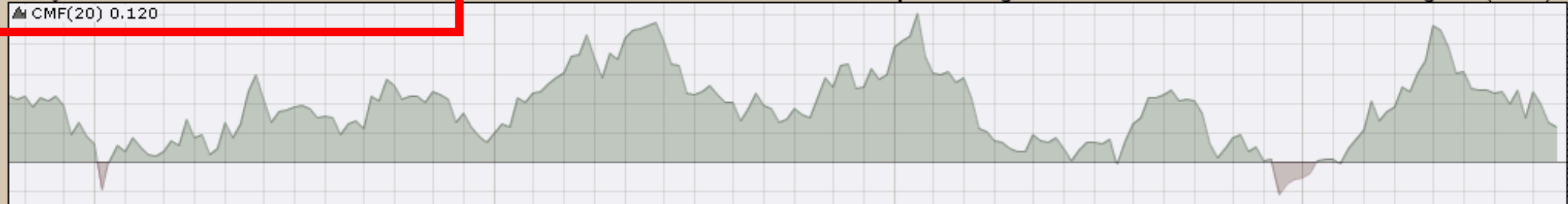




▲ XLK (Weekly) 79.53
 — BB(20,2,0) 72.60 - 77.75 - 82.91
 — PIVOTS 46.32, 53.70, 64.56, 71.95, 82.81
 ■ Volume 45.72M, EMA(50) 66.94M

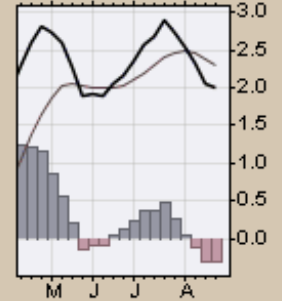
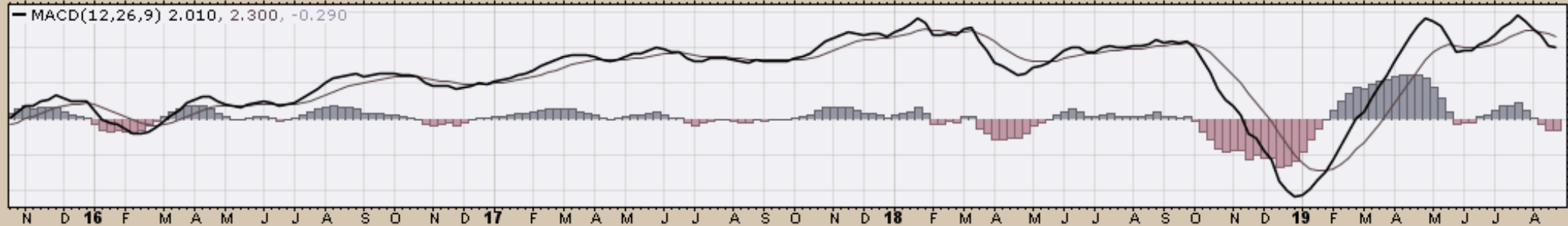
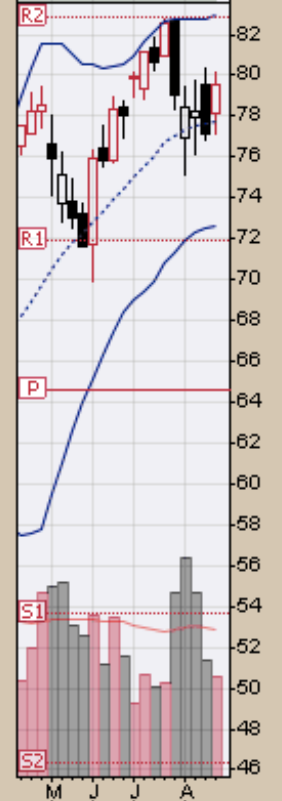
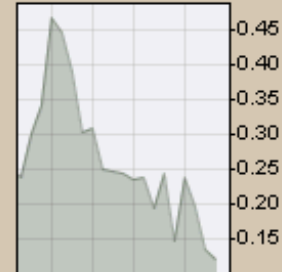
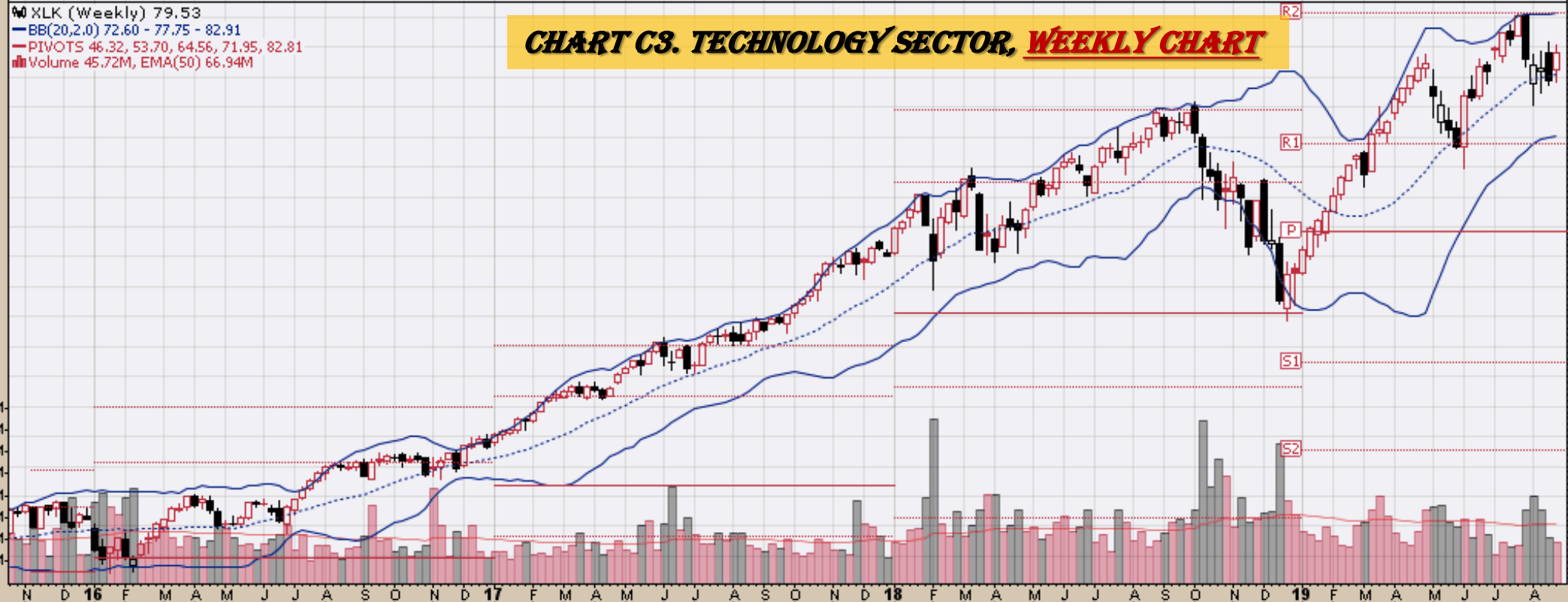
CHART C2. HEALTH CARE SECTOR, WEEKLY CHART





▲ XLK (Weekly) 79.53
 — BB(20,2,0) 72.60 - 77.75 - 82.91
 — PIVOTS 46.32, 53.70, 64.56, 71.95, 82.81
 ■ Volume 45.72M, EMA(50) 66.94M

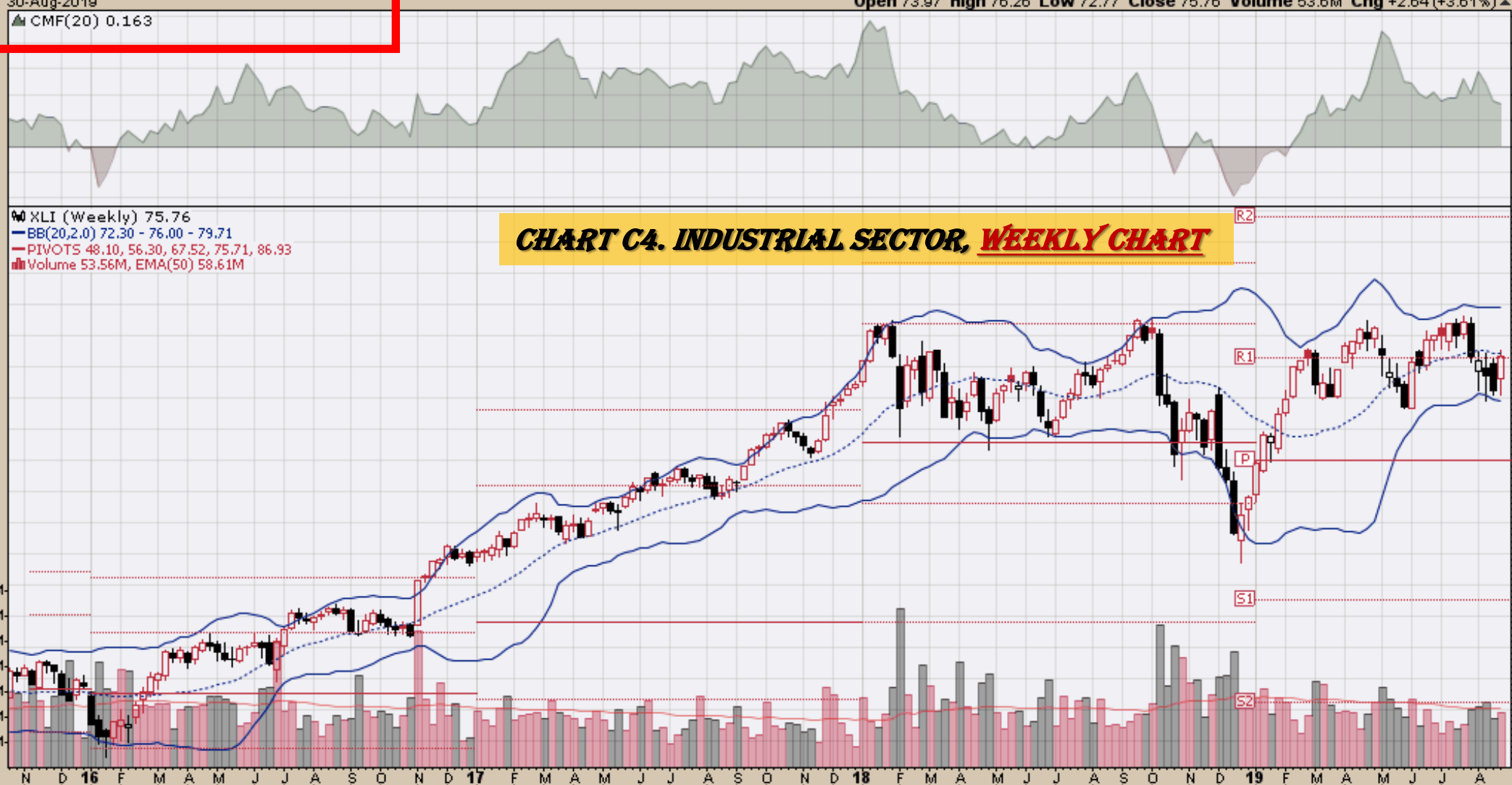
CHART C3. TECHNOLOGY SECTOR, WEEKLY CHART



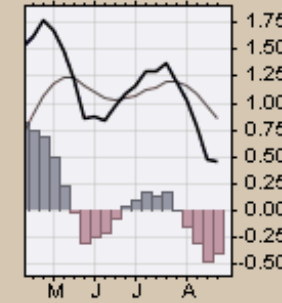
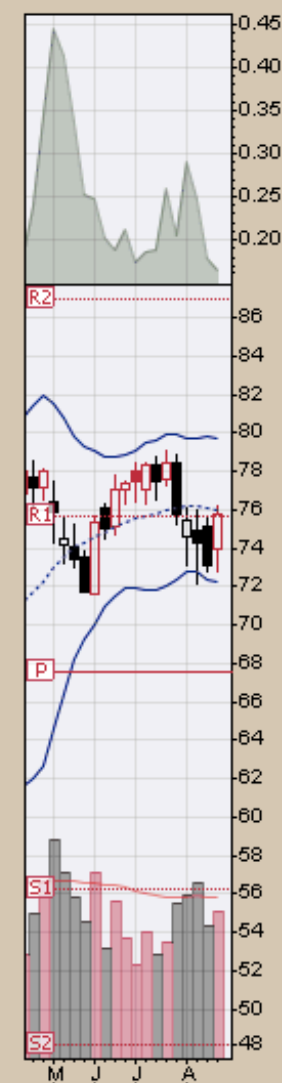
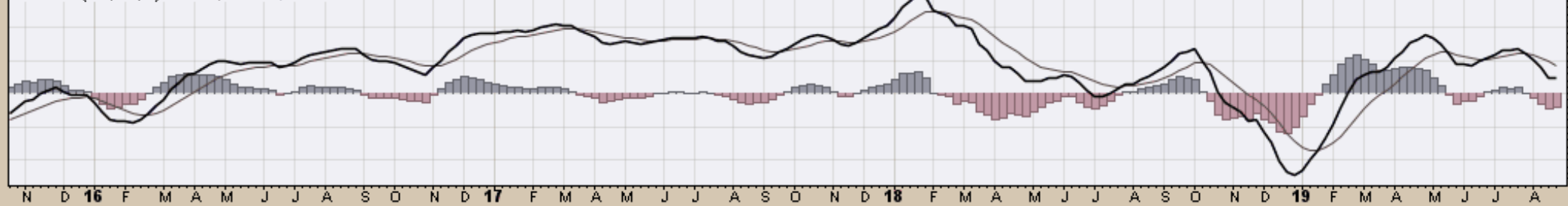
▲ CMF(20) 0.163

CHART C4. INDUSTRIAL SECTOR, WEEKLY CHART

XLI (Weekly) 75.76
BB(20,2.0) 72.30 - 76.00 - 79.71
PIVOTS 48.10, 56.30, 67.52, 75.71, 86.93
Volume 53.56M, EMA(50) 58.61M



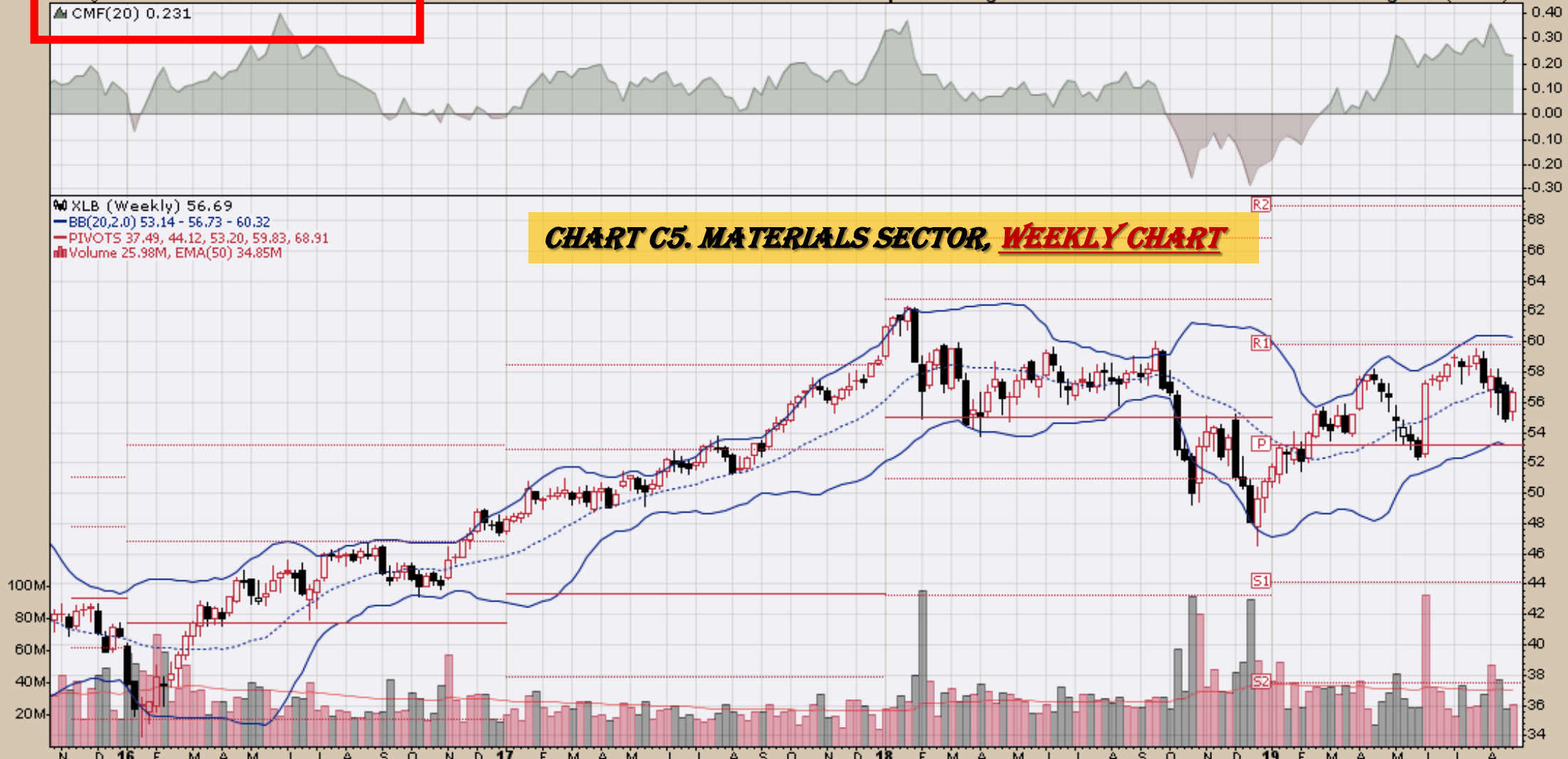
MACD(12,26,9) 0.466, 0.868, -0.402



▲ CMF(20) 0.231

▲ XLB (Weekly) 56.69
— BB(20,2,0) 53.14 - 56.73 - 60.32
— PIVOTS 37.49, 44.12, 53.20, 59.83, 68.91
■ Volume 25.98M, EMA(50) 34.85M

CHART C5. MATERIALS SECTOR, WEEKLY CHART



— MACD(12,26,9) 0.533, 0.766, -0.233

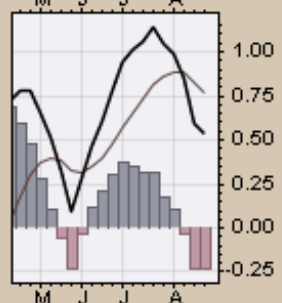
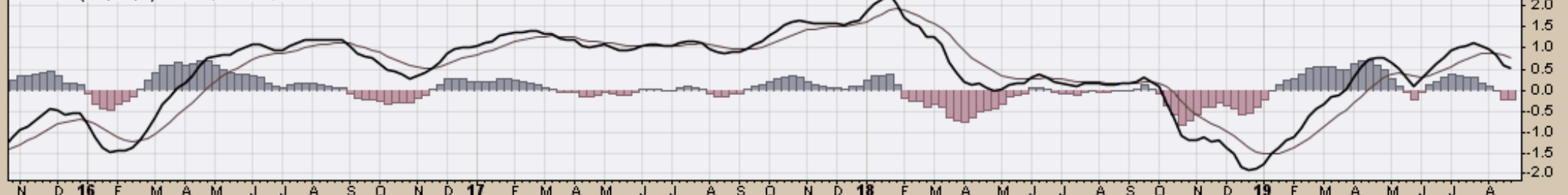


CHART C6. ENERGY SECTOR, WEEKLY CHART

XLE (Weekly) 57.48
BB(20,2,0) 55.94 - 61.65 - 67.36
PIVOTS 38.69, 48.78, 62.56, 72.64, 86.42
Volume 63.65M, EMA(50) 71.83M

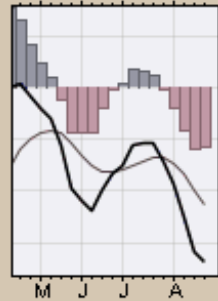
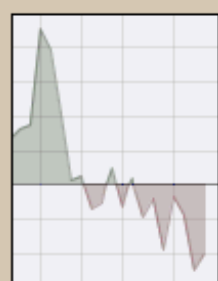
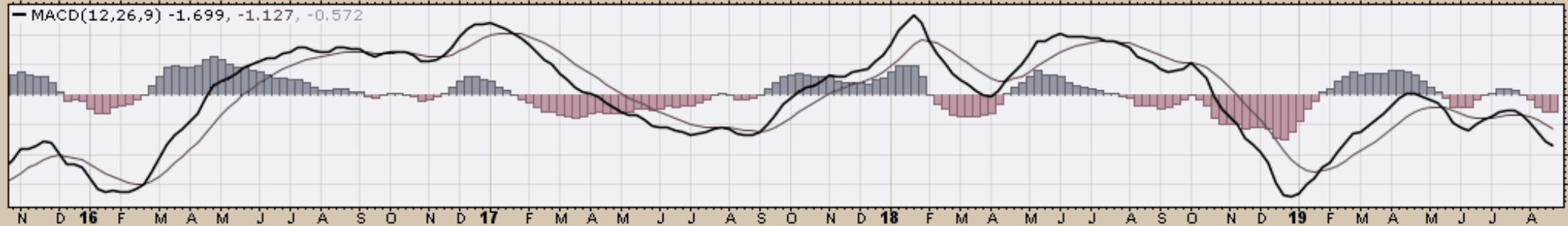
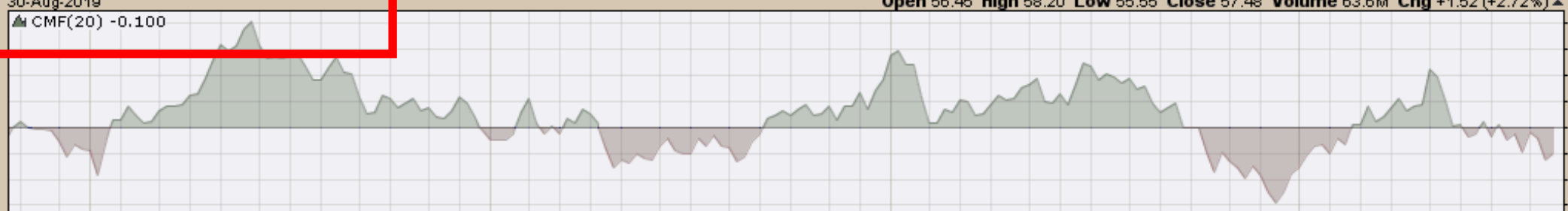


CHART C7. UTILITIES SECTOR, WEEKLY CHART

XLU (Weekly) 62.58
— BB(20,2,0) 56.64 - 59.70 - 62.75
— PIVOTS 40.22, 46.09, 50.96, 56.83, 61.70
■ Volume 77.35M, EMA(50) 84.24M

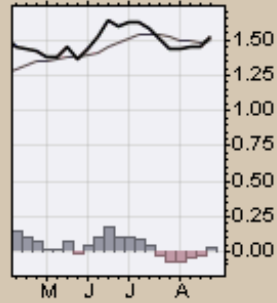
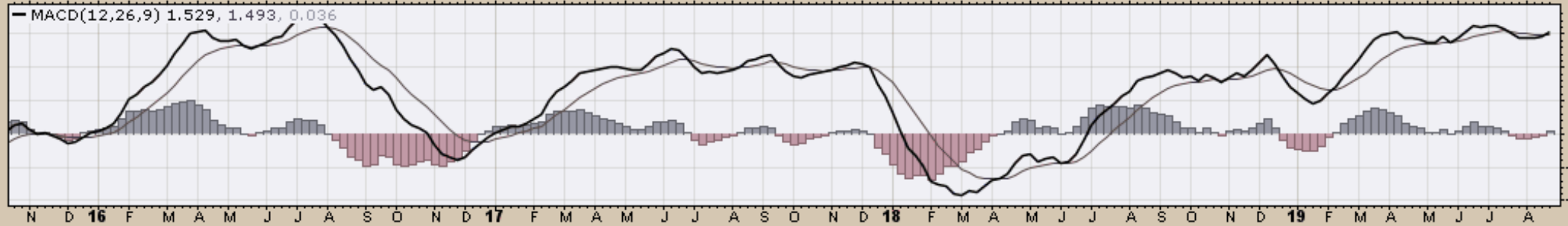
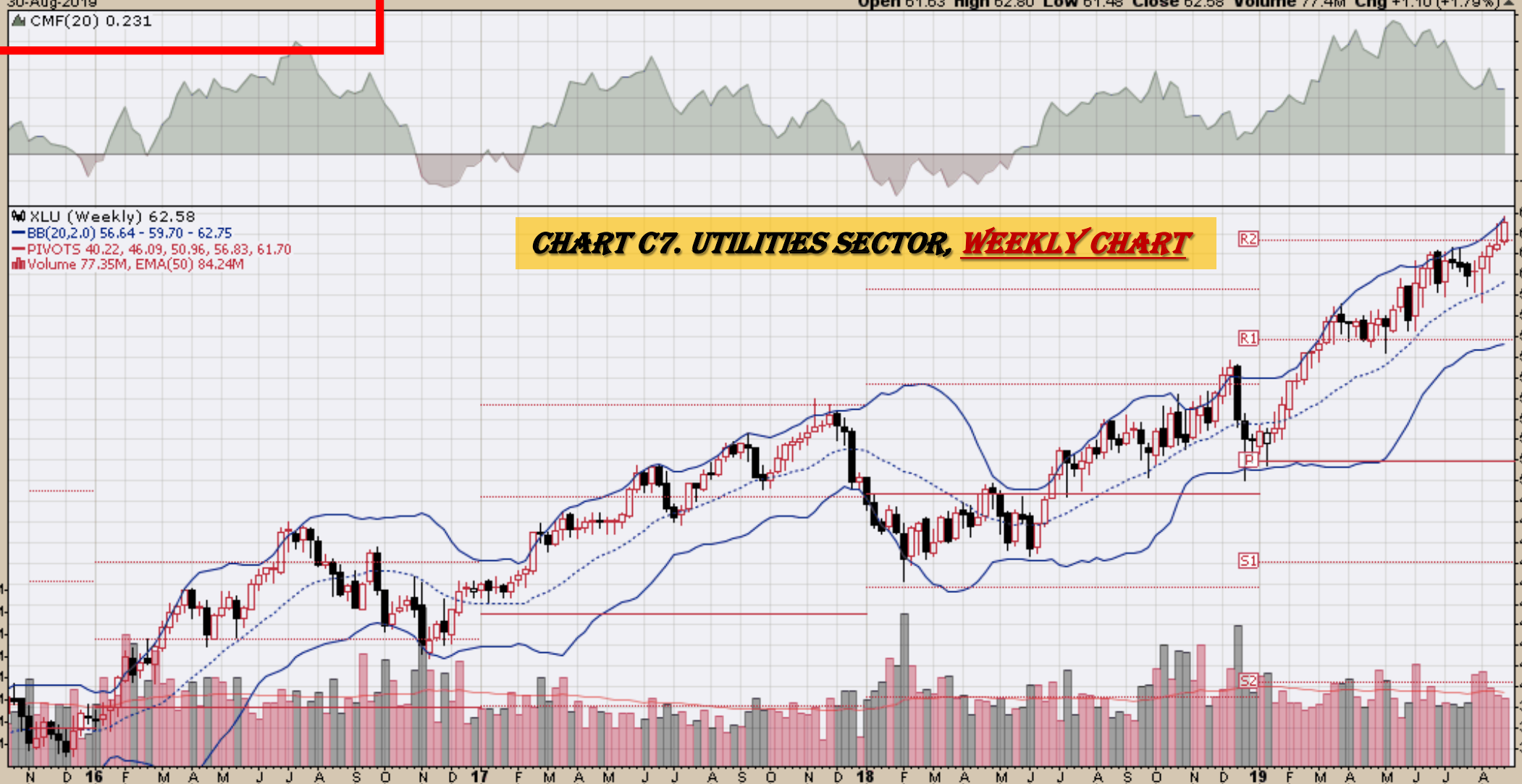
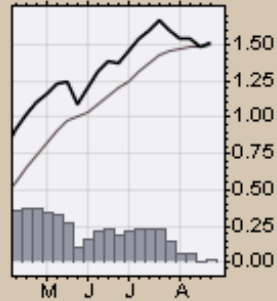
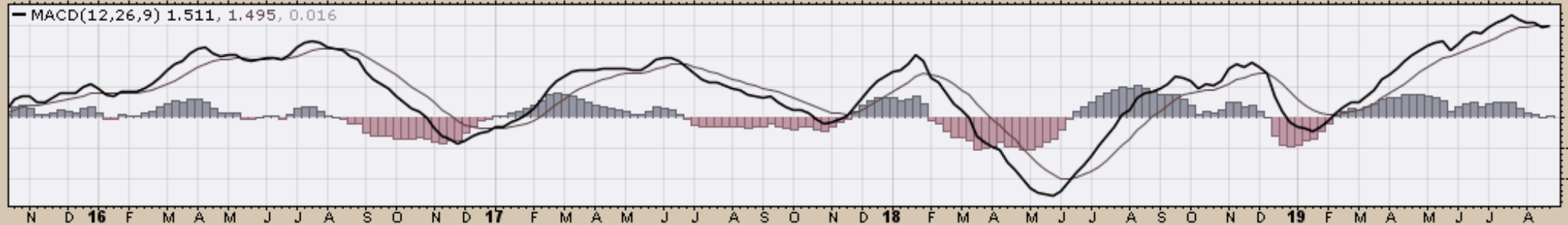
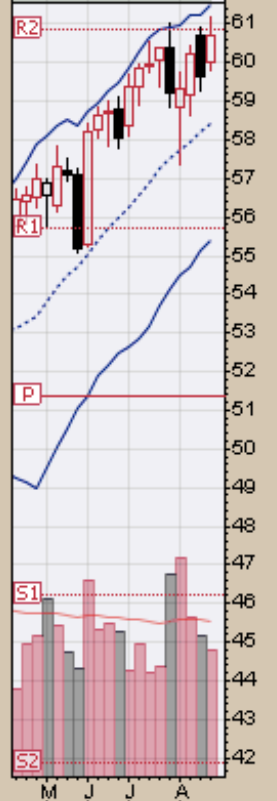
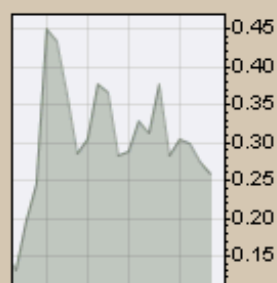
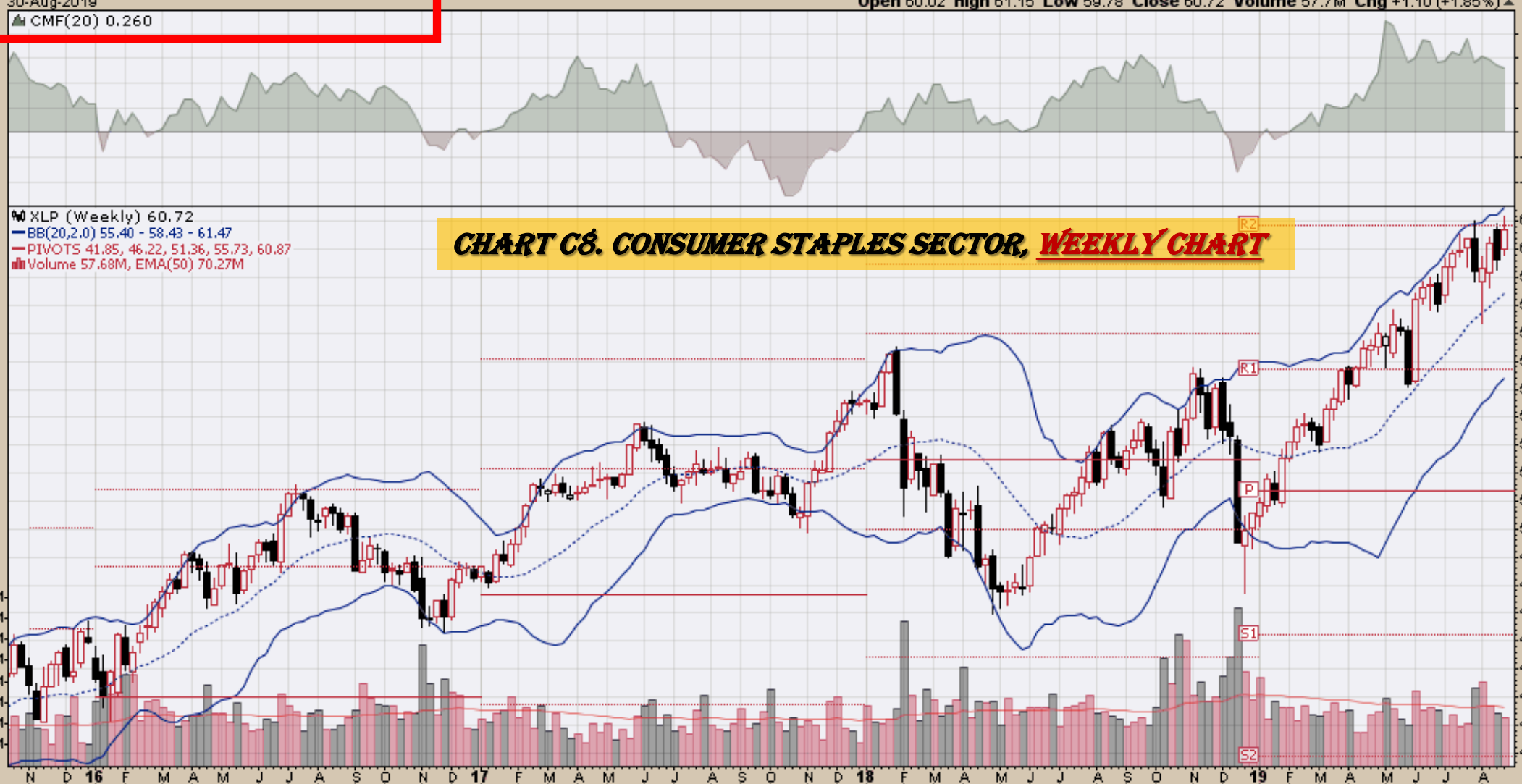


CHART C8. CONSUMER STAPLES SECTOR, WEEKLY CHART

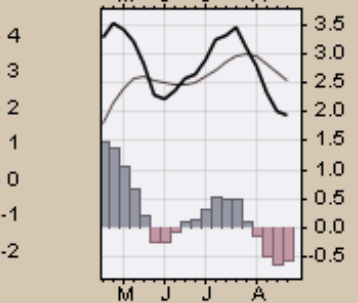
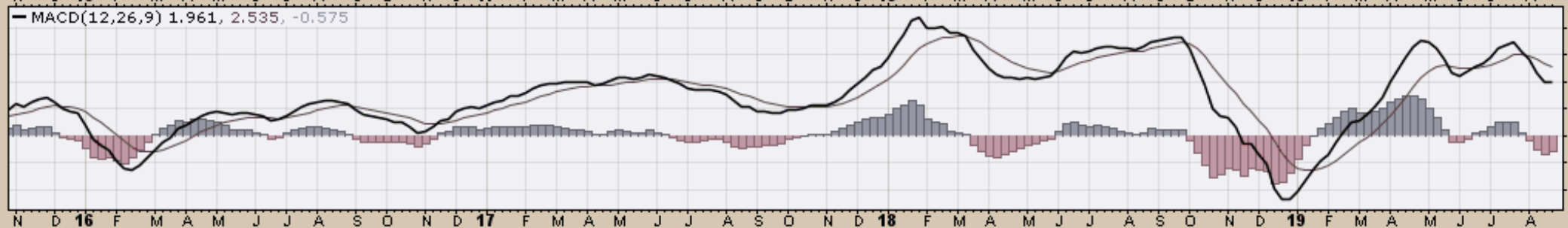
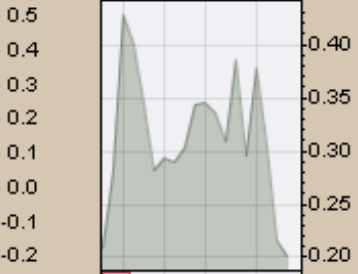
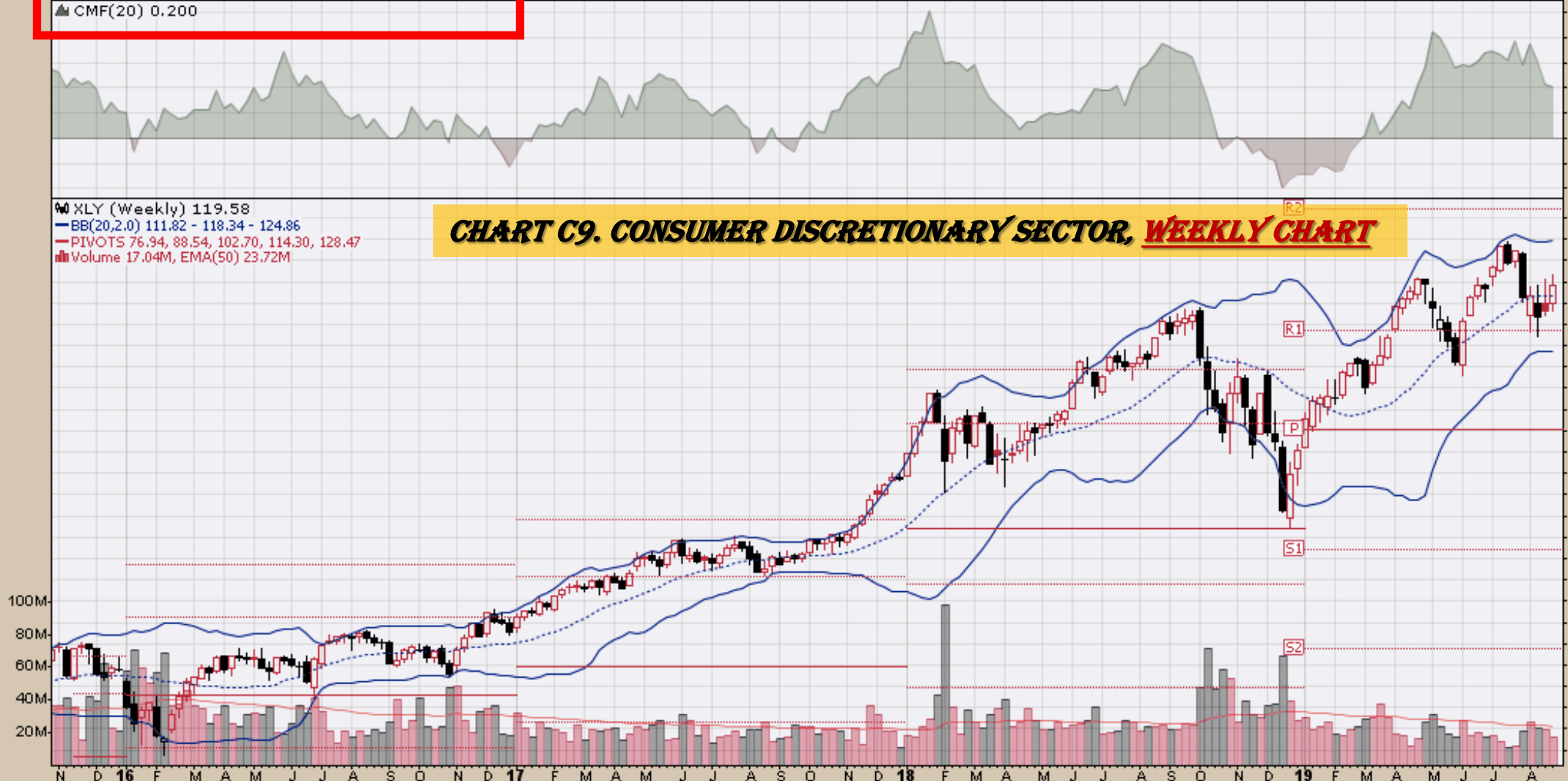
XLP (Weekly) 60.72
BB(20,2,0) 55.40 - 58.43 - 61.47
PIVOTS 41.85, 46.22, 51.36, 55.73, 60.87
Volume 57.68M, EMA(50) 70.27M



▲ CMF(20) 0.200

XLY (Weekly) 119.58
— BB(20,2,0) 111.82 - 118.34 - 124.86
— PIVOTS 76.94, 88.54, 102.70, 114.30, 128.47
■ Volume 17.04M, EMA(50) 23.72M

CHART C9. CONSUMER DISCRETIONARY SECTOR, WEEKLY CHART



Commodity ETFs

Commodity ETFs Book Index

Chart Book Index – Commodity ETFs

- Chart D1. Cotton, Weekly Chart
- Chart D2. Brent Oil, Weekly Chart
- Chart D3. Corn, Weekly Chart
- Chart D4. Livestock, Weekly Chart
- Chart D5. Agriculture, Weekly Chart
- Chart D6. Base Metals, Weekly Chart
- Chart D7. Commodity Index, Weekly Chart
- Chart D8. Energy, Weekly Chart
- Chart D9. Precious Metals, Weekly Chart
- Chart D10. Commodity Index, Weekly Chart
- Chart D11. Gold, Weekly Chart
- Chart D12. Goldman Sachs Total Return Commodity Index
- Chart D13. Copper, Weekly Chart
- Chart D14. Grains, Weekly Chart
- Chart D15. Nickel, Weekly Chart
- Chart D16. Aluminum, Weekly Chart
- Chart D17. Coffee, Weekly Chart

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Commodity ETFs Book Index

Chart Book Index – Commodity ETFs

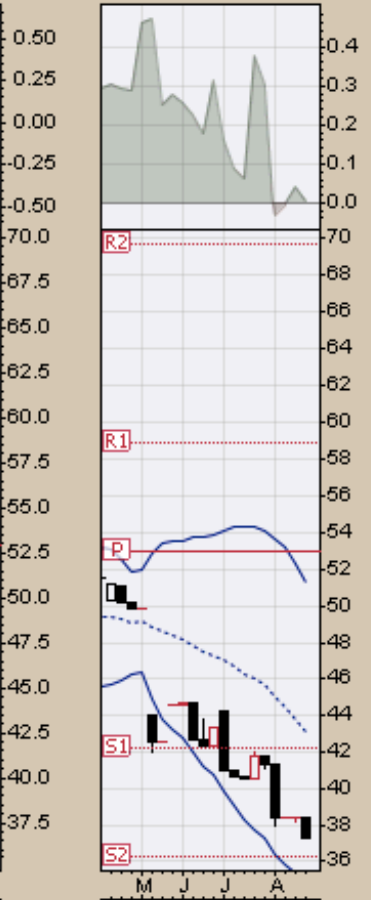
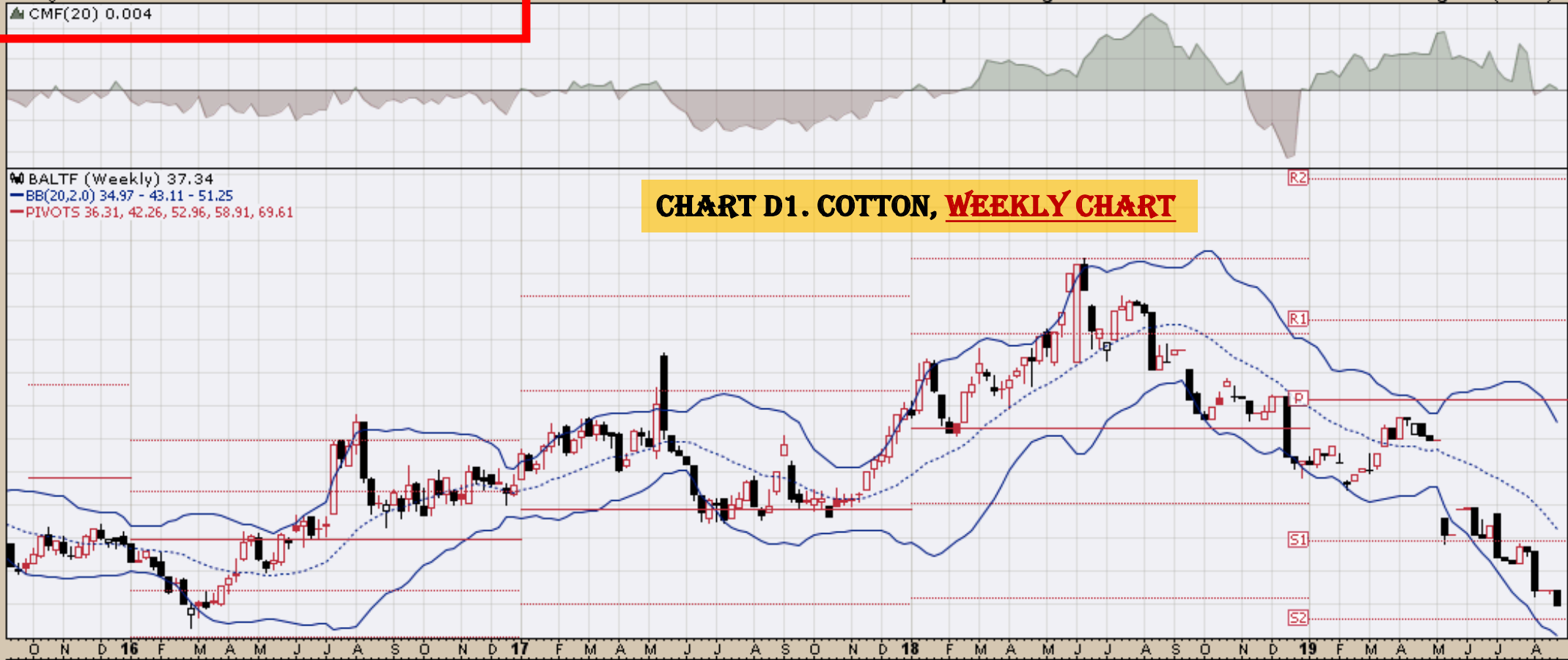
- Chart D18. Lead, Weekly Chart
- Chart D19. Lithium, Weekly Chart
- Chart D20. Cocoa, Weekly Chart
- Chart D21. Palladium, Weekly Chart
- Chart D22. Platinum, Weekly Chart
- Chart D23. Sugar, Weekly Chart
- Chart D24. Silver, Weekly Chart
- Chart D25. Soybeans, Weekly Chart
- Chart D26. Gasoline, Weekly Chart
- Chart D27. Natural Gas, Weekly Chart
- Chart D28. US 12 Month Oil Fund, Weekly Chart
- Chart D29. US Oil Fund, Weekly Chart
- Chart D30. Wheat, Weekly Chart

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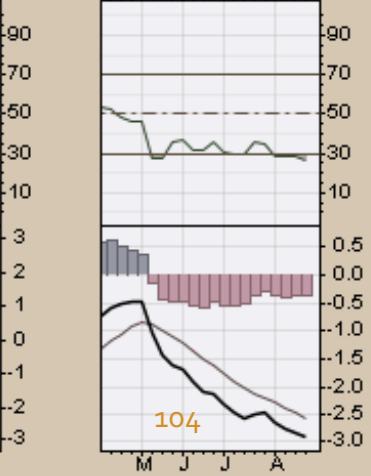
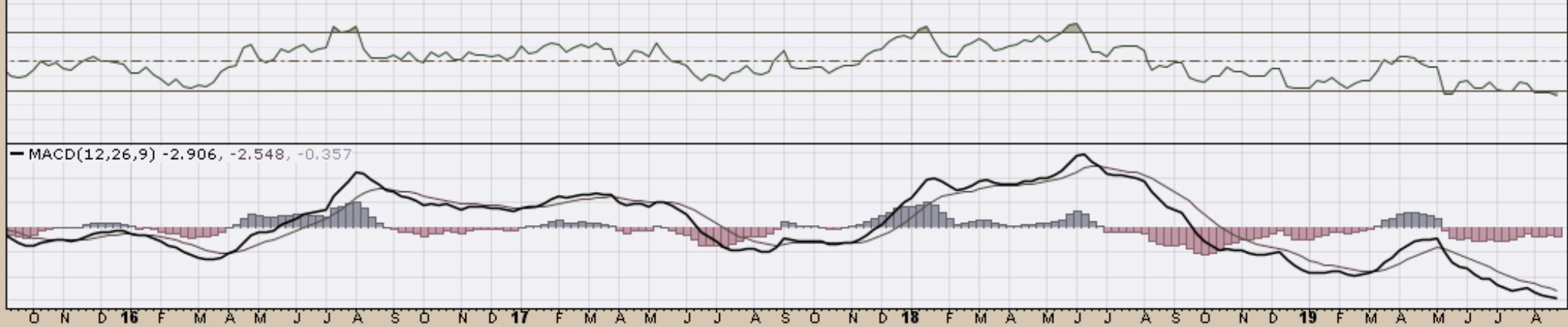
▲ CMF(20) 0.004

▲ BALTF (Weekly) 37.34
— BB(20,2,0) 34.97 - 43.11 - 51.25
— PIVOTS 36.31, 42.26, 52.96, 58.91, 69.61

CHART D1. COTTON, WEEKLY CHART



▲ RSI(14) 26.29



— MACD(12,26,9) -2.906, -2.548, -0.357

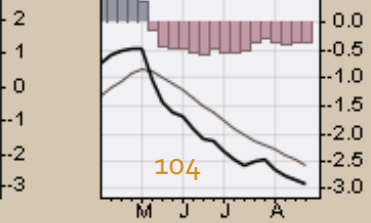
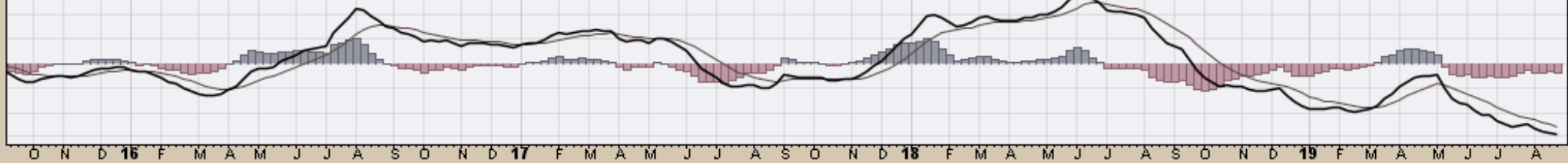
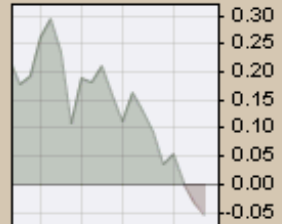
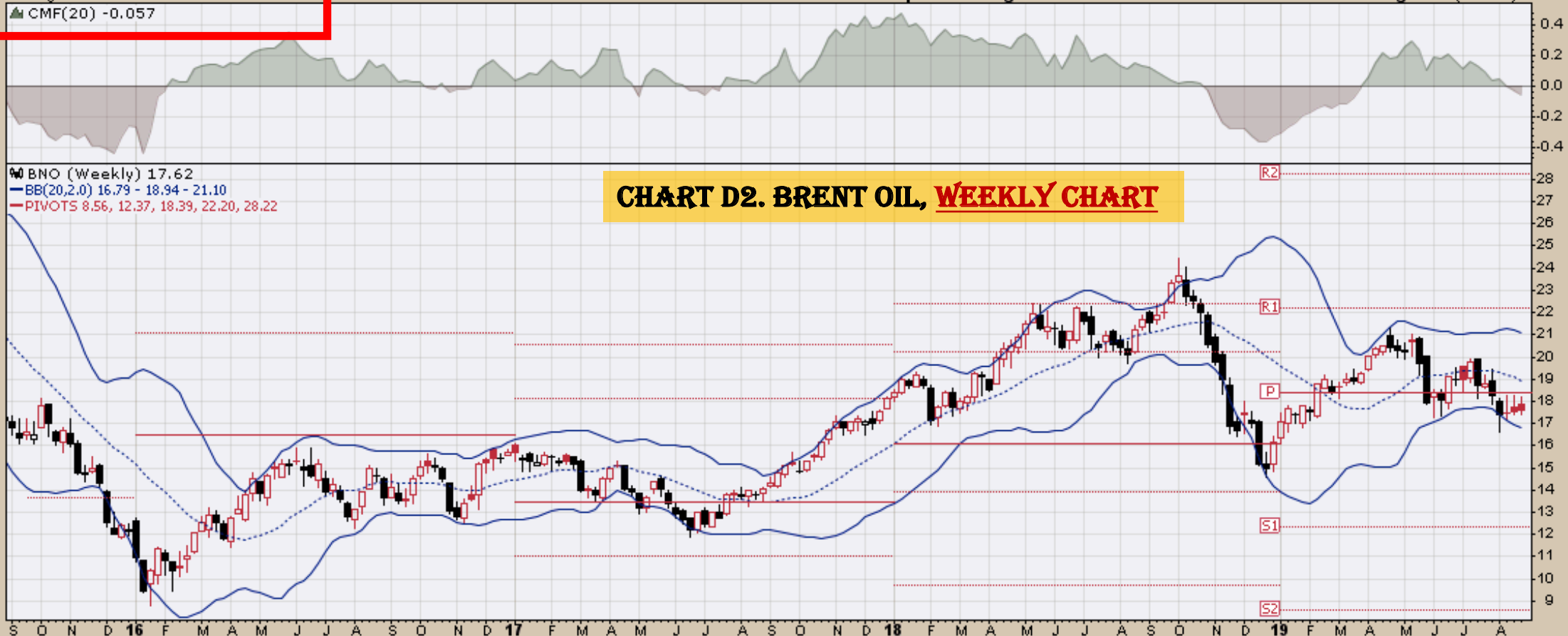


CHART D2. BRENT OIL, WEEKLY CHART

▲ BNO (Weekly) 17.62
— BB(20,2.0) 16.79 - 18.94 - 21.10
— PIVOTS 8.56, 12.37, 18.39, 22.20, 28.22



▲ RSI(14) 41.23

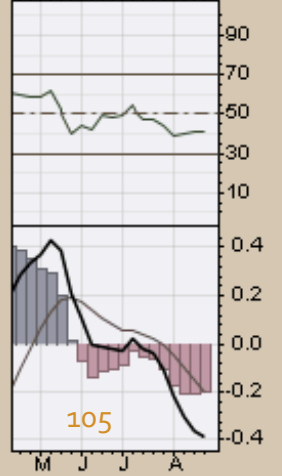
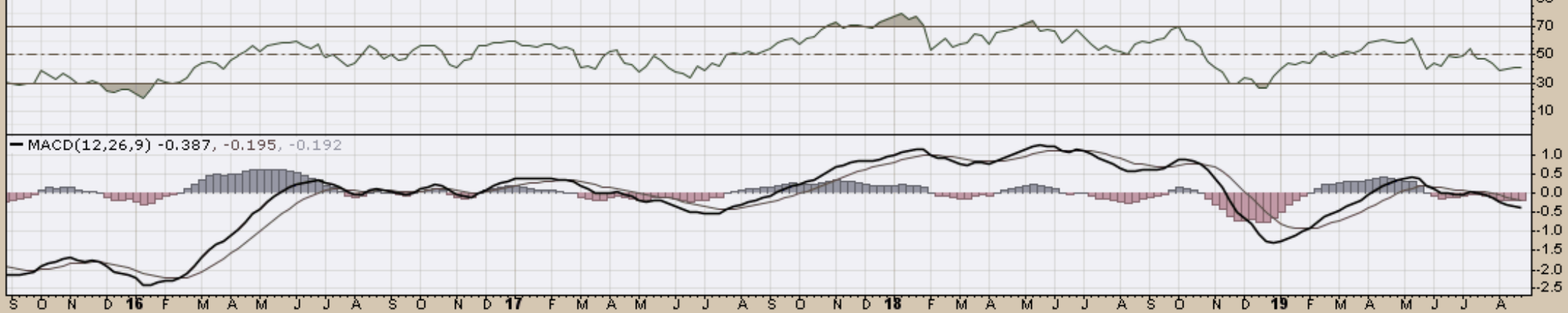
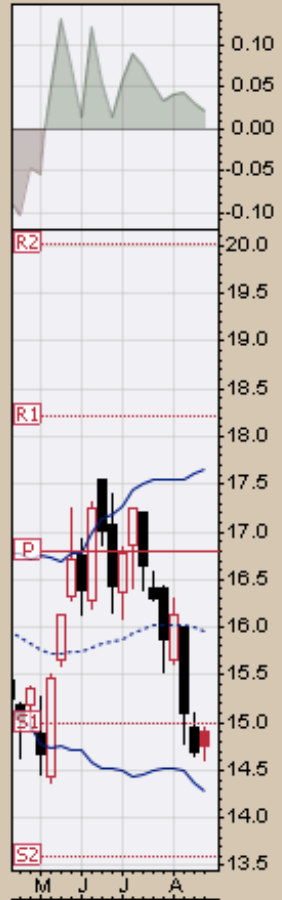


CHART D3. CORN, WEEKLY CHART

▲ CORN (Weekly) 14.75
— BB(20,2,0) 14.28 - 15.96 - 17.65
— PIVOTS 13.59, 14.99, 16.80, 18.20, 20.01



▲ RSI(14) 38.70

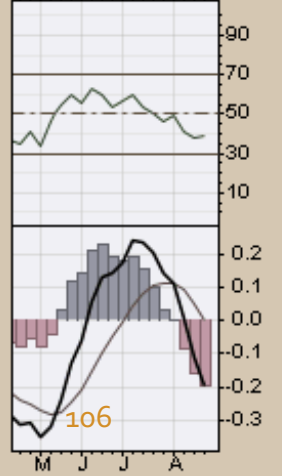
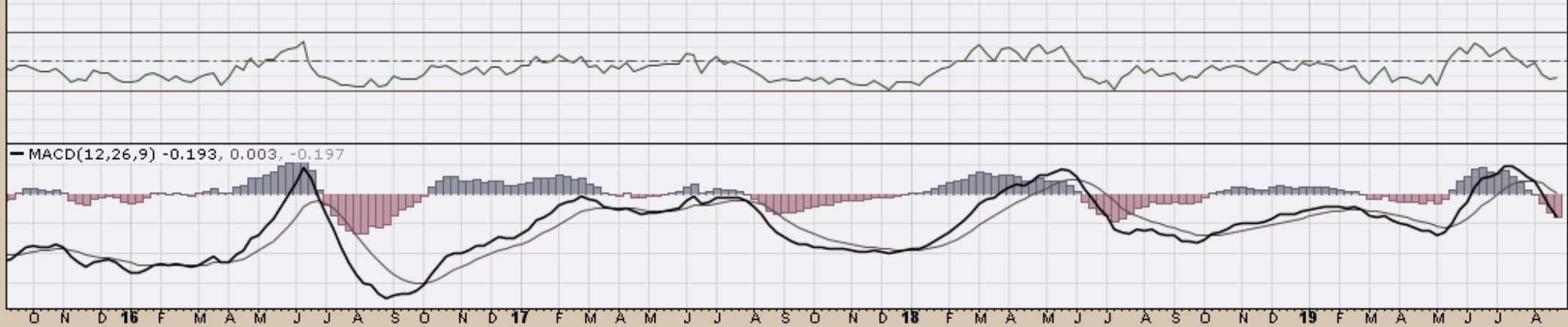
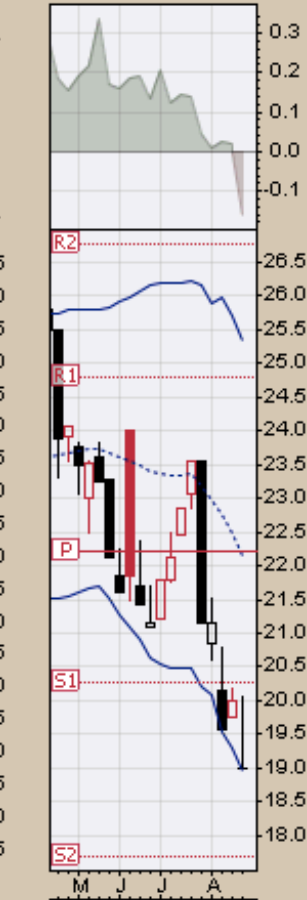
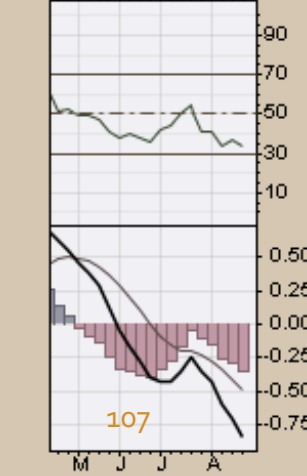
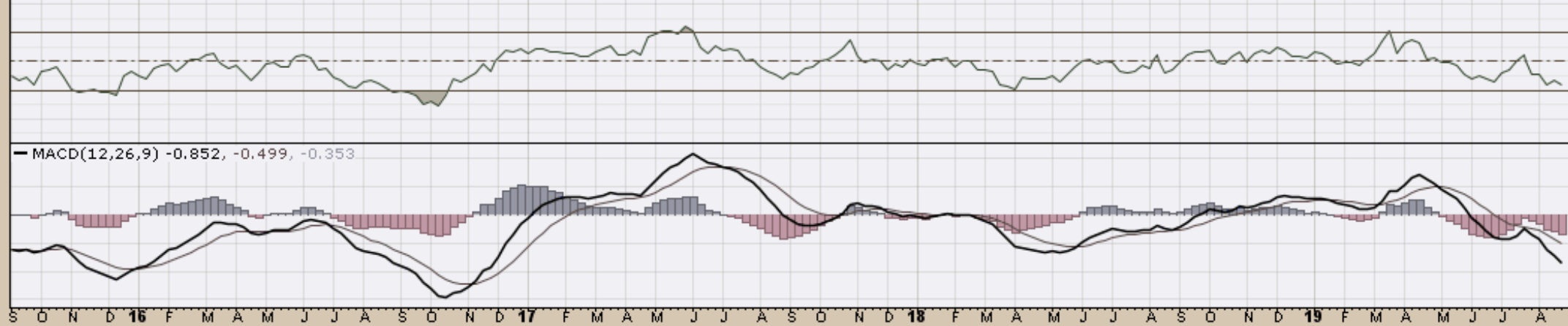


CHART D4. LIVESTOCK, WEEKLY CHART

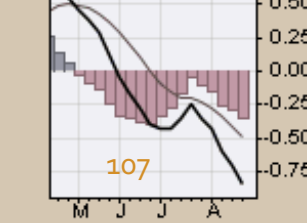
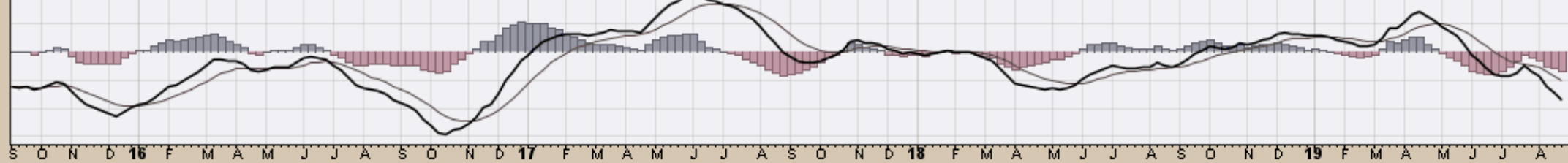
▲ COWTF (Weekly) 19.00
— BB(20,2,0) 18.98 - 22.15 - 25.33
— PIVOTS 17.67, 20.26, 22.21, 24.80, 26.75

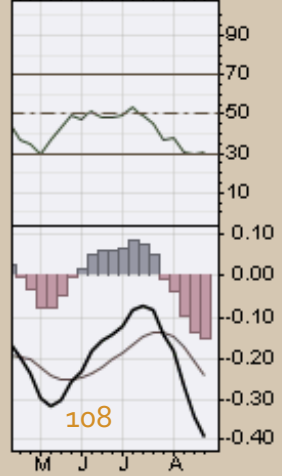
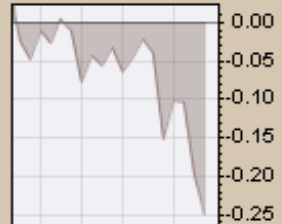


▲ RSI(14) 33.35



— MACD(12,26,9) -0.852, -0.499, -0.353





DBB (Weekly) 14.49
— BB(20,2,0) 14.19 - 15.38 - 16.56
— PIVOTS 11.92, 13.66, 16.65, 18.39, 21.37

CHART D6. BASE METALS, WEEKLY CHART

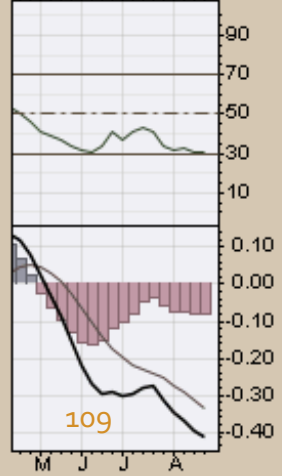
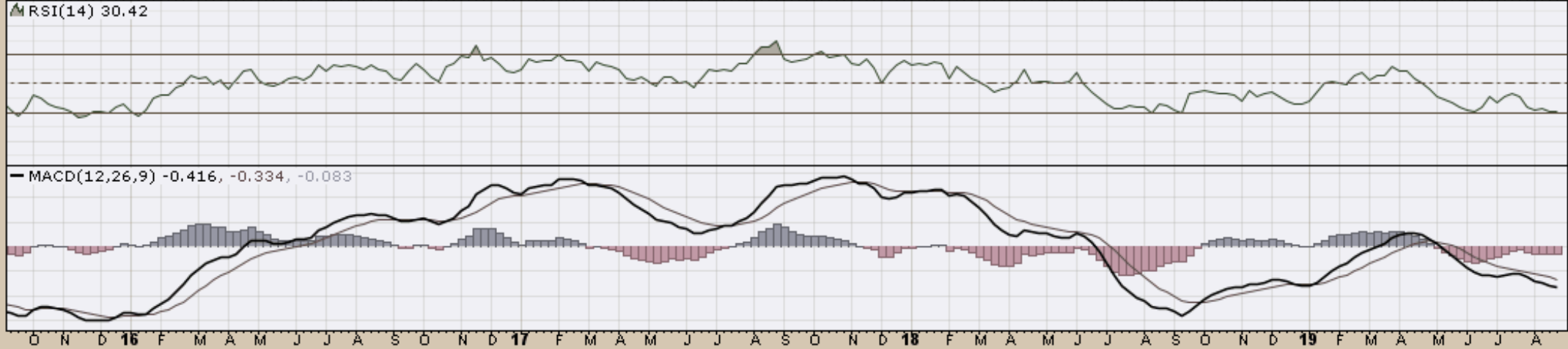
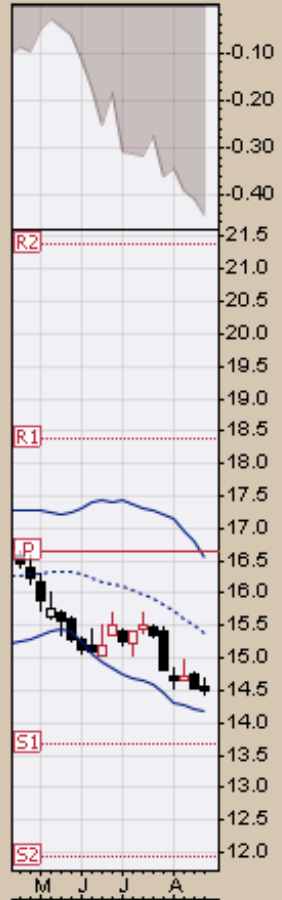
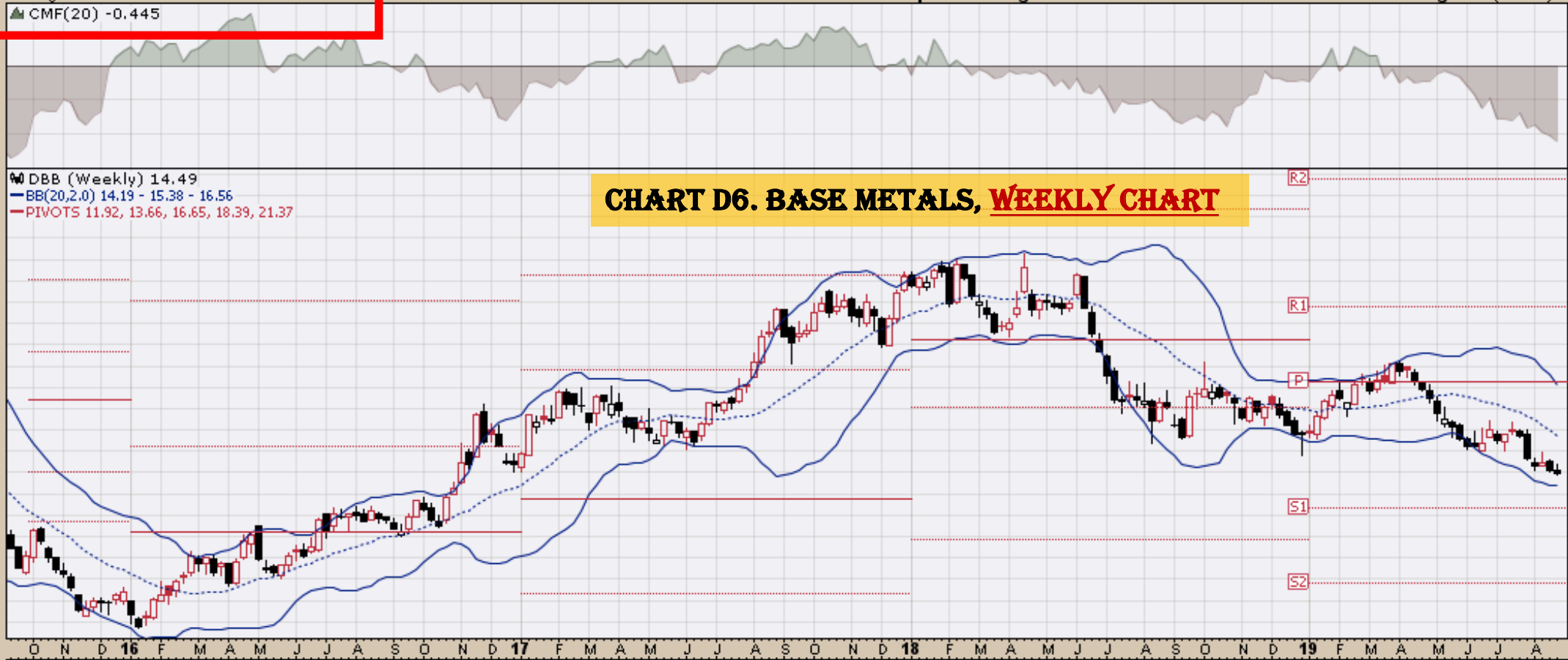


CHART D7. COMMODITY INDEX, WEEKLY CHART

▲ DBC (Weekly) 14.83
— BB(20,2,0) 14.63 - 15.48 - 16.34
— PIVOTS 11.77, 13.31, 15.86, 17.40, 19.95

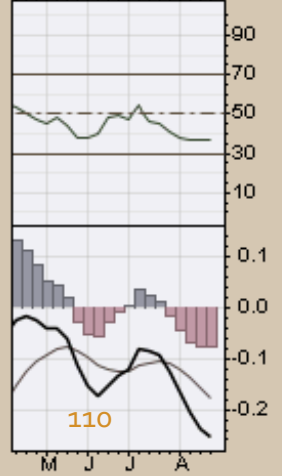
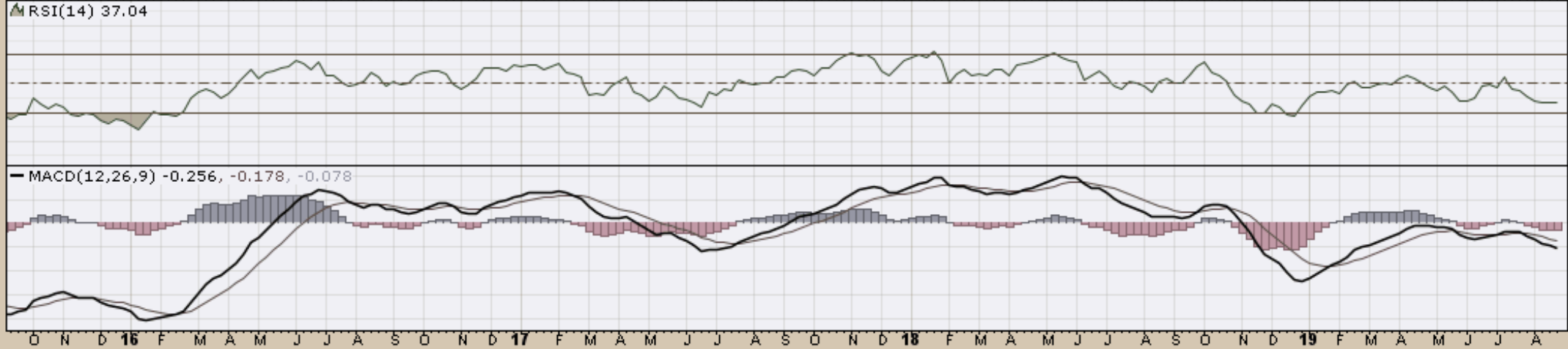
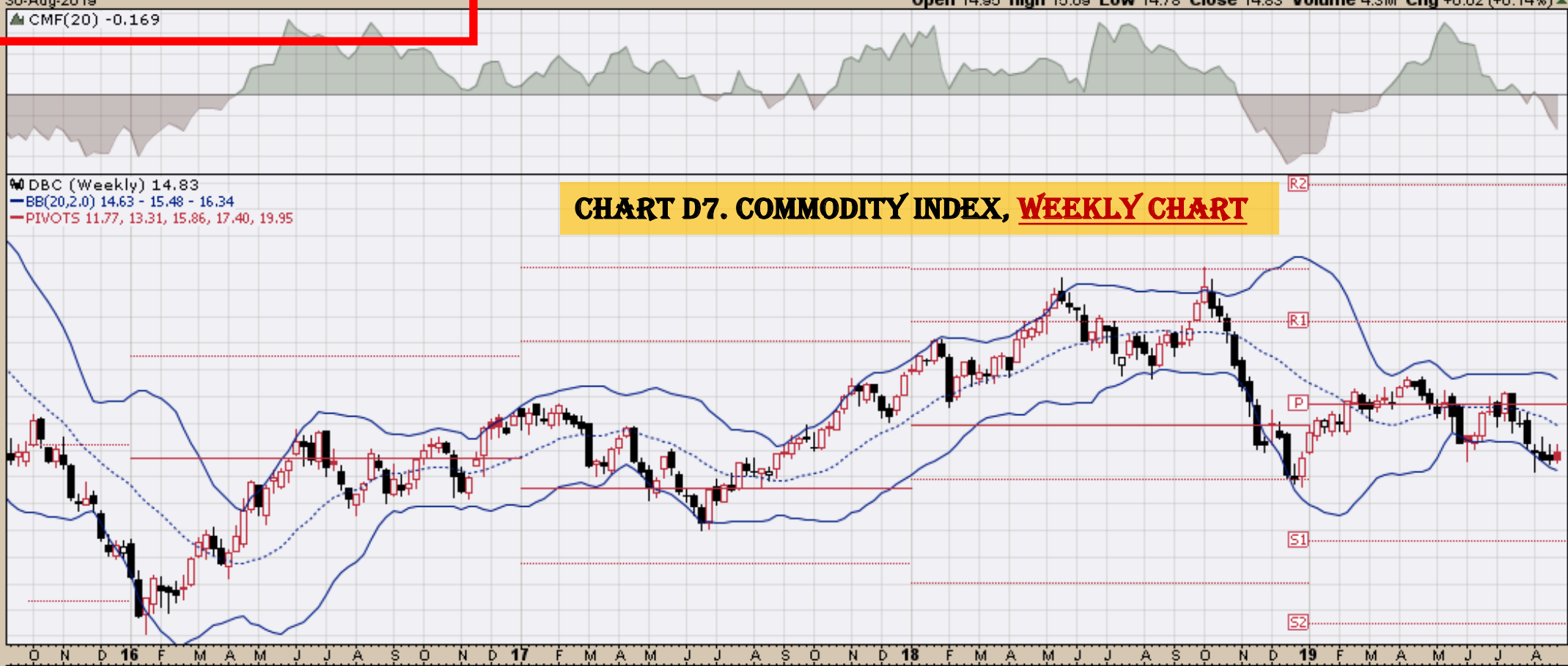


CHART D8. ENERGY, WEEKLY CHART

DBE (Weekly) 13.18
— BB(20,2,0) 12.58 - 14.10 - 15.61
— PIVOTS 8.02, 10.47, 14.52, 16.97, 21.02

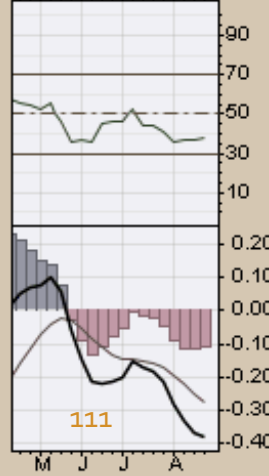
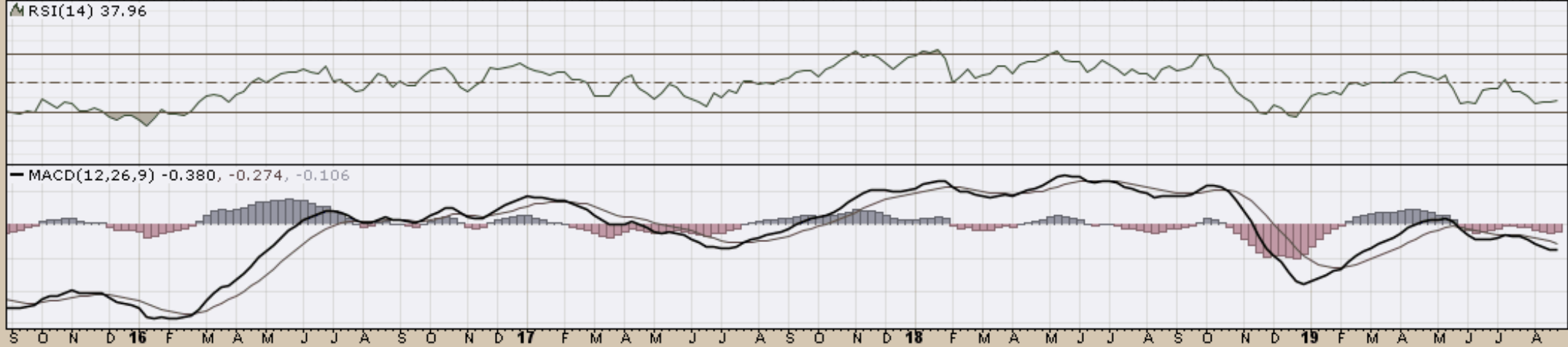
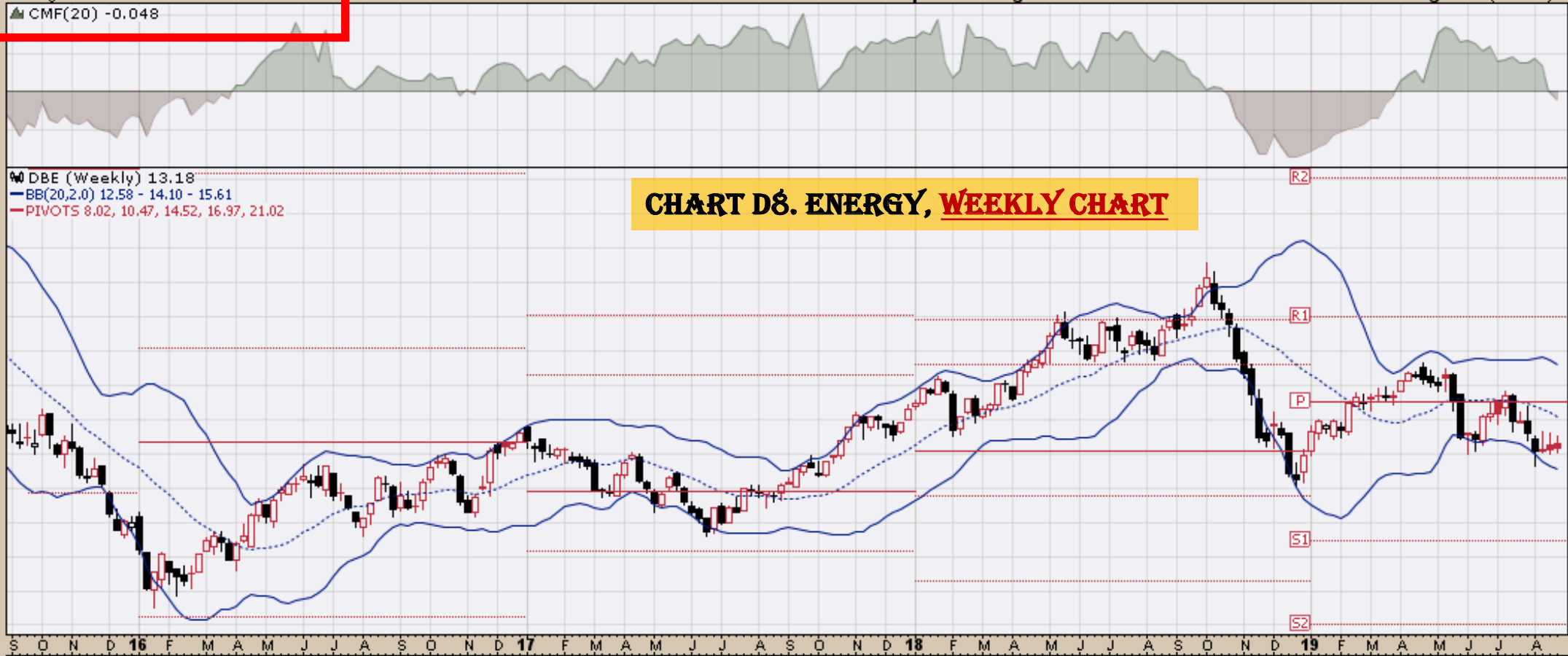
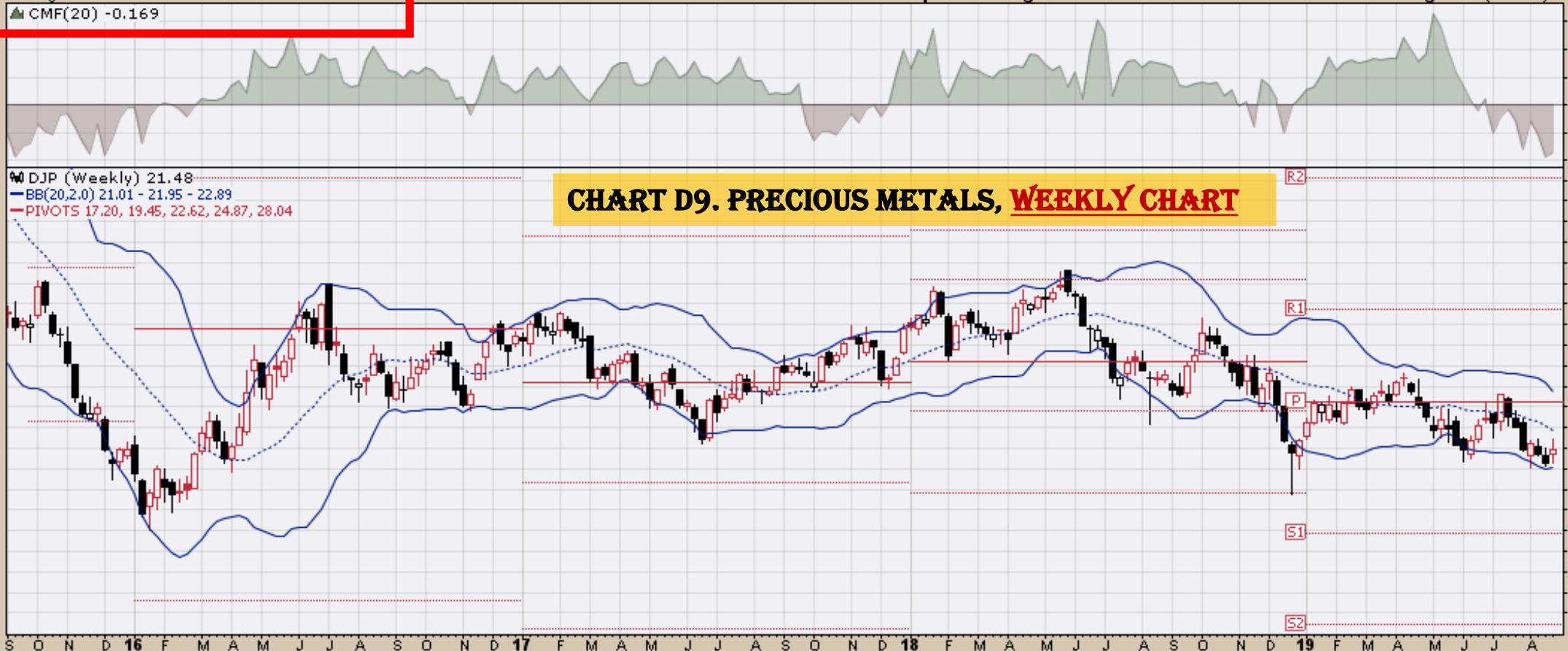


CHART D9. PRECIOUS METALS, WEEKLY CHART

▲ DJP (Weekly) 21.48
— BB(20,2,0) 21.01 - 21.95 - 22.89
— PIVOTS 17.20, 19.45, 22.62, 24.87, 28.04



▲ RSI(14) 42.50

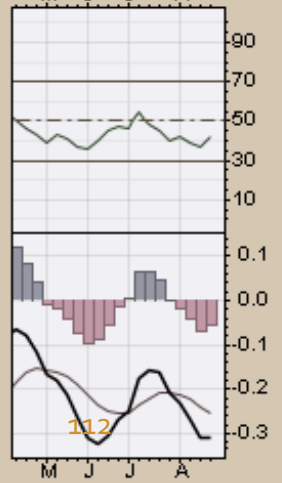
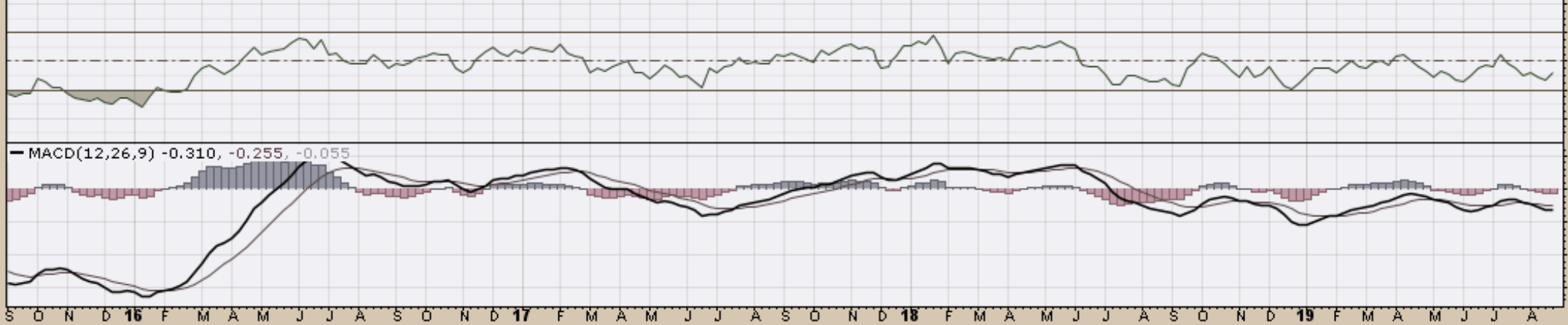
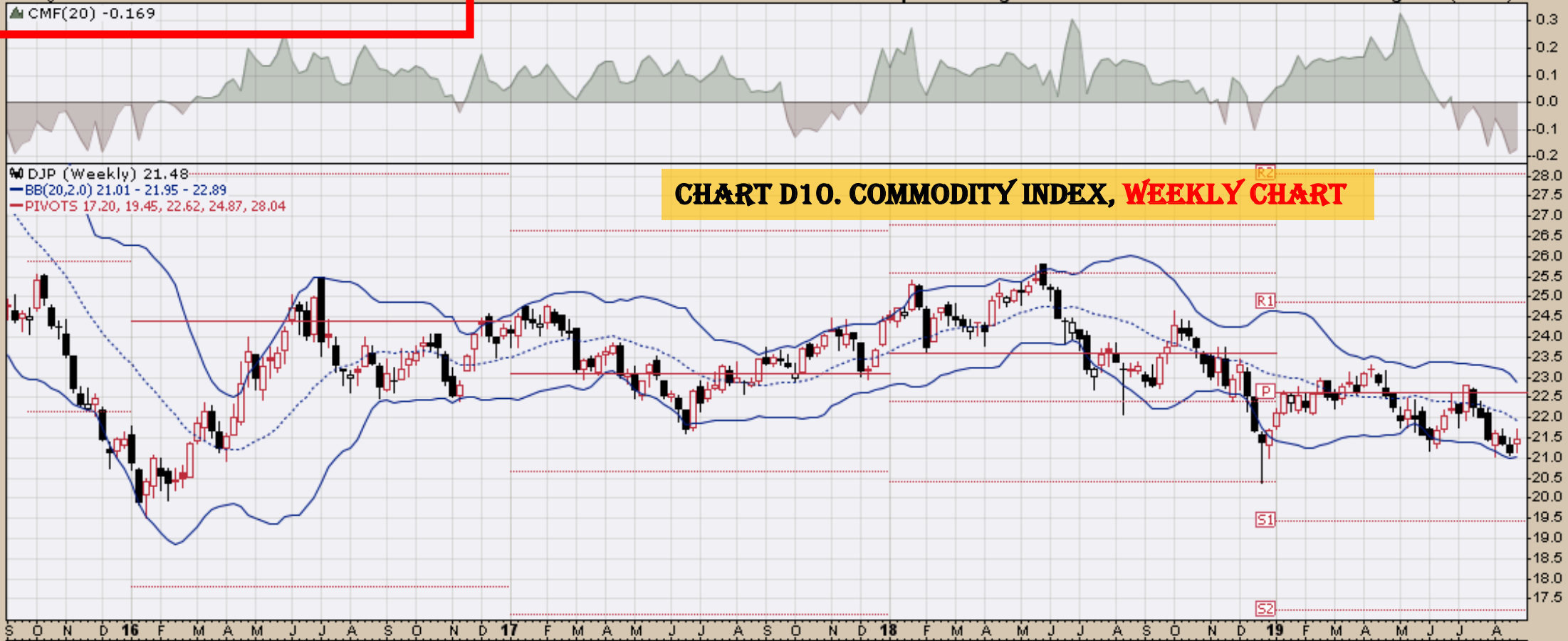
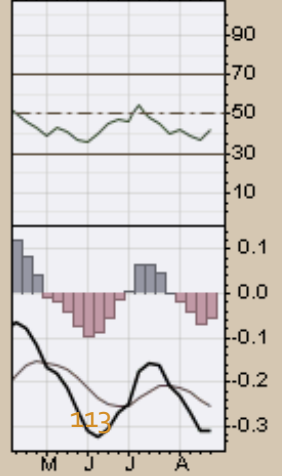
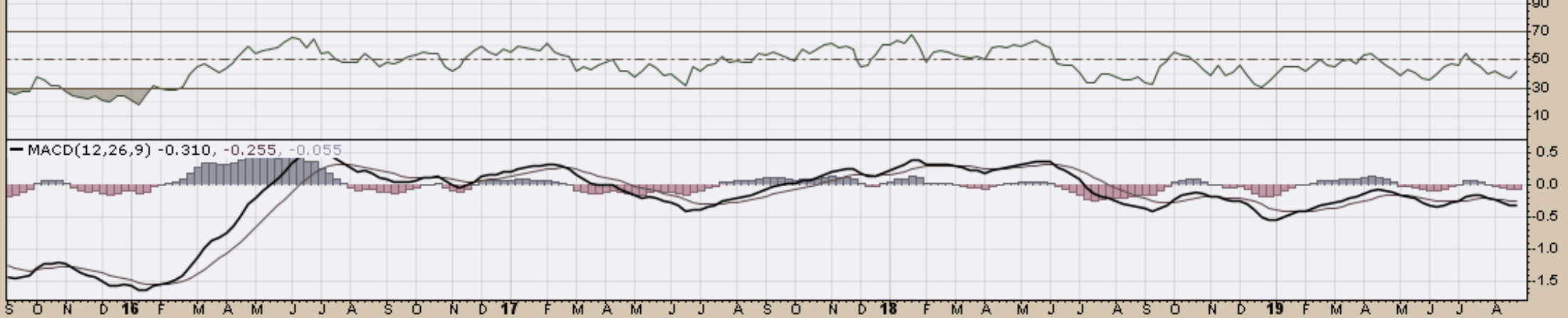


CHART D10. COMMODITY INDEX, WEEKLY CHART

▲ DJP (Weekly) 21.48
— BB(20,2,0) 21.01 - 21.95 - 22.89
— PIVOTS 17.20, 19.45, 22.62, 24.87, 28.04



▲ RSI(14) 42.50



GLD (Weekly) 143.75
— BB(20,2,0) 114.12 - 130.45 - 146.79
— PIVOTS 102.22, 111.83, 120.67, 130.28, 139.13

CHART D11. GOLD, WEEKLY CHART

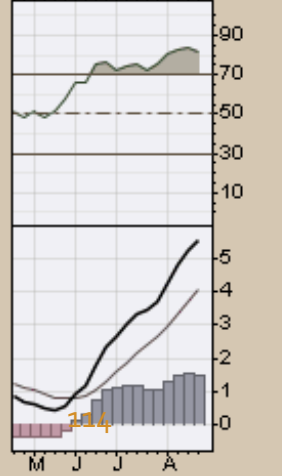
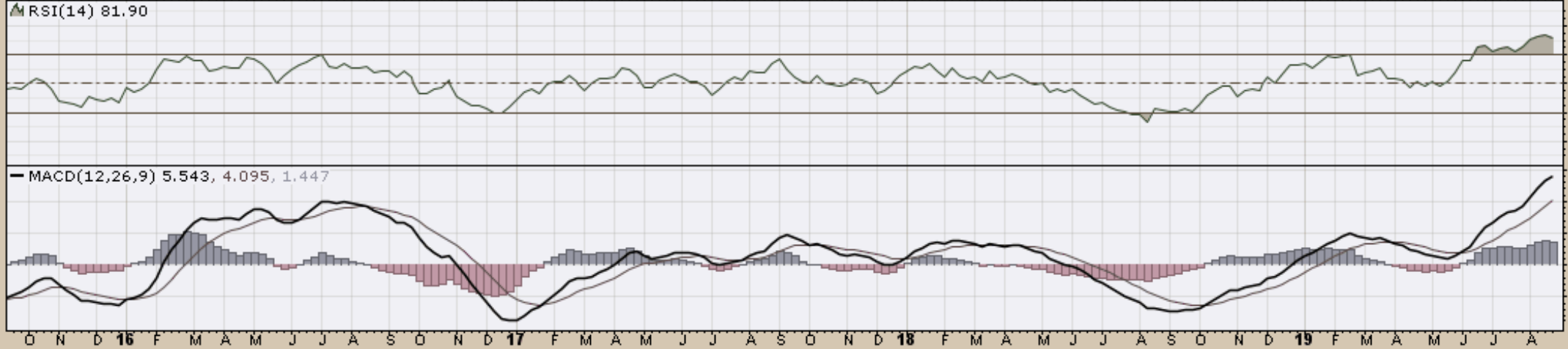
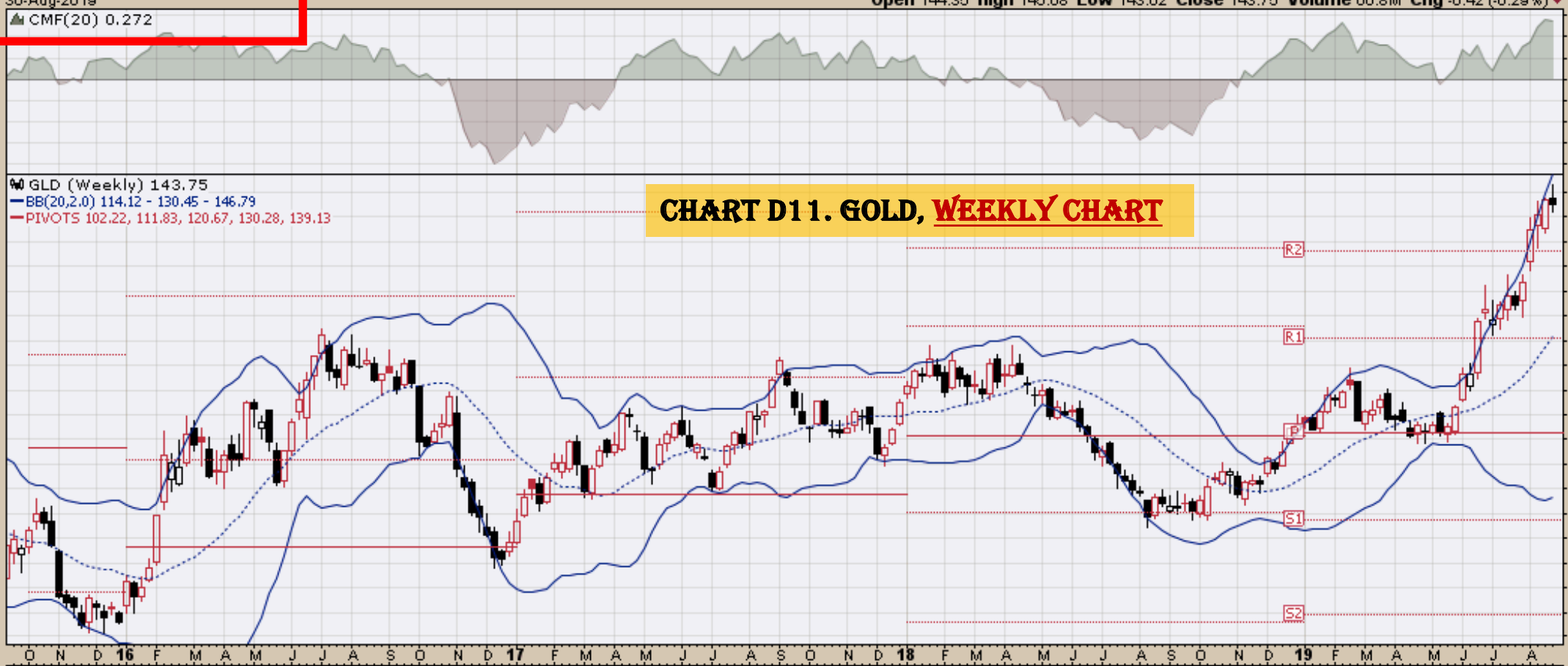
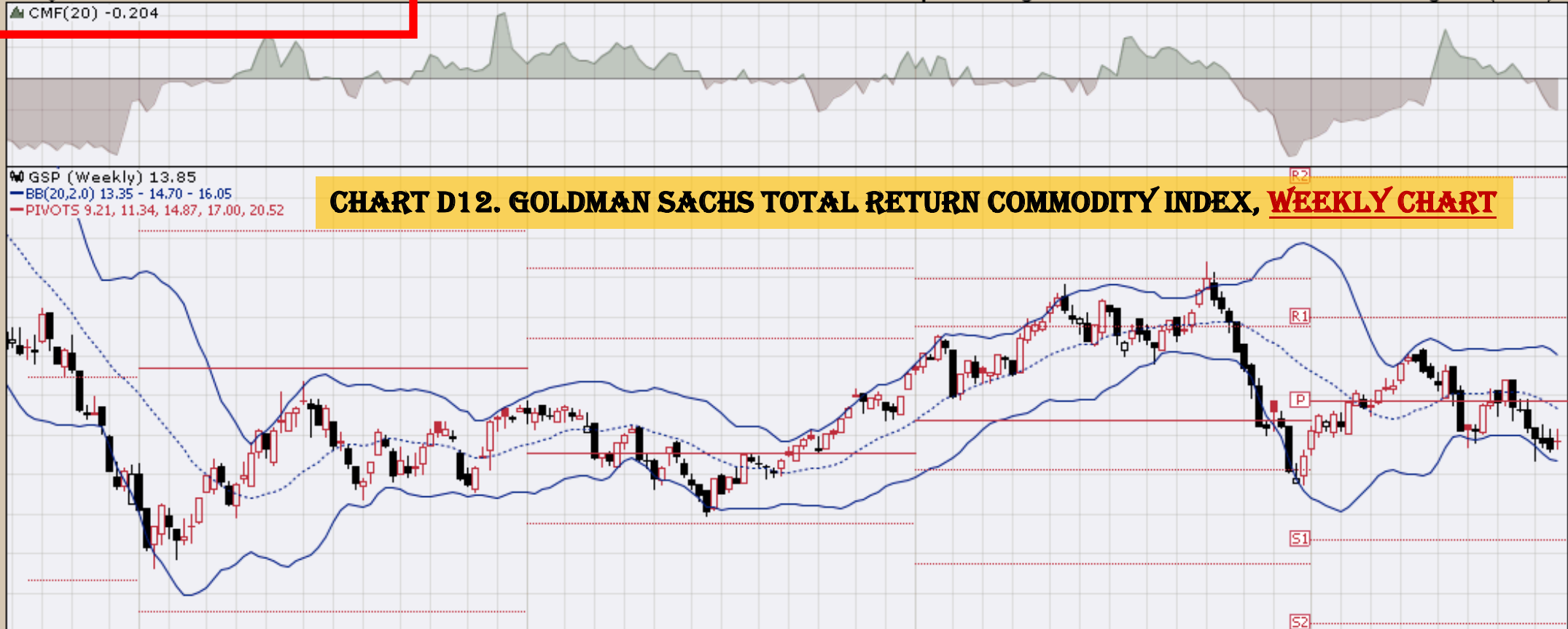
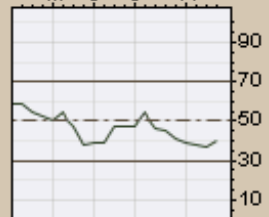


CHART D12. GOLDMAN SACHS TOTAL RETURN COMMODITY INDEX, WEEKLY CHART

▲ GSP (Weekly) 13.85
— BB(20,2,0) 13.35 - 14.70 - 16.05
— PIVOTS 9.21, 11.34, 14.87, 17.00, 20.52



▲ RSI(14) 39.62



— MACD(12,26,9) -0.330, -0.221, -0.109

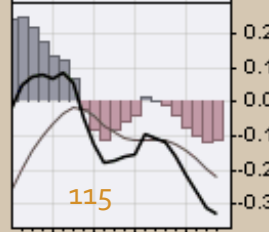
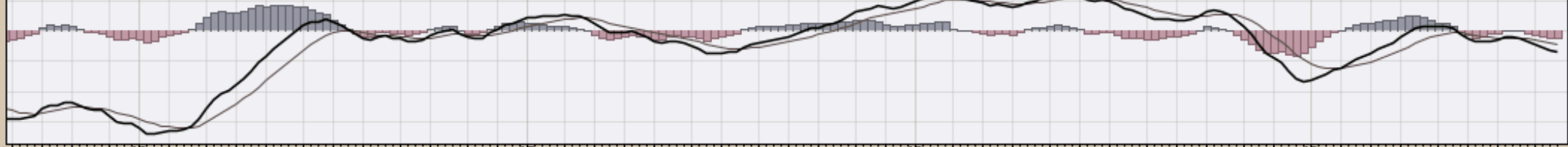
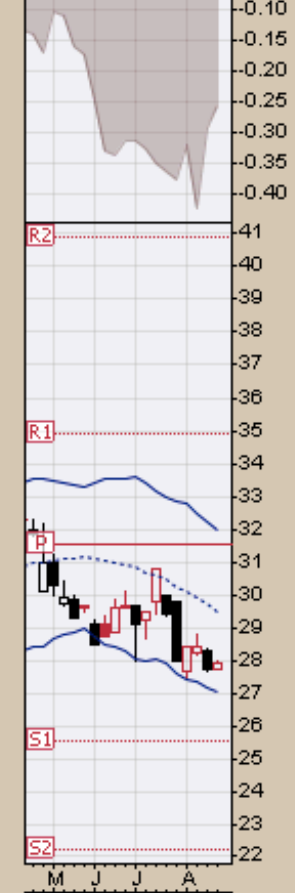
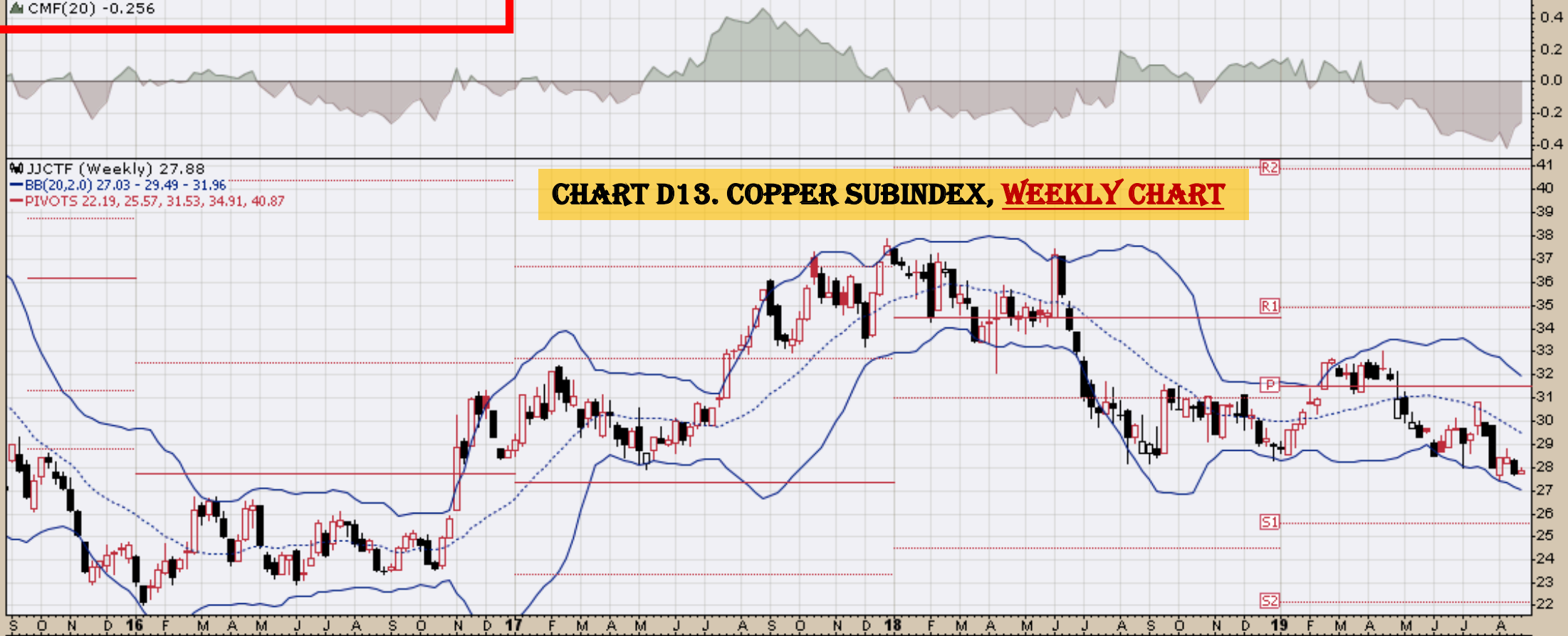
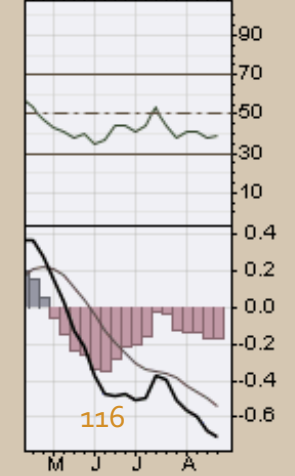
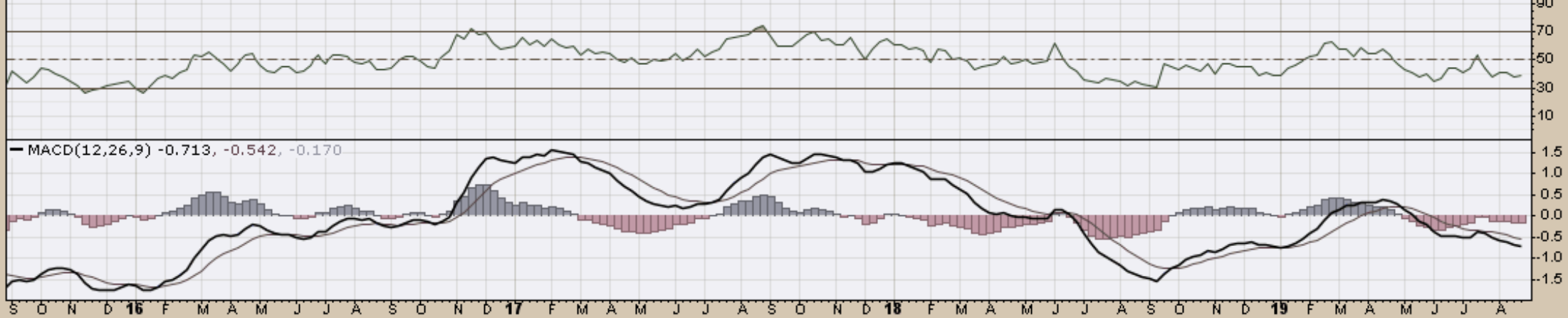


CHART D13. COPPER SUBINDEX, WEEKLY CHART

▲ JJCTF (Weekly) 27.88
— BB(20,2,0) 27.03 - 29.49 - 31.96
— PIVOTS 22.19, 25.57, 31.53, 34.91, 40.87



▲ RSI(14) 39.13



— MACD(12,26,9) -0.713, -0.542, -0.170

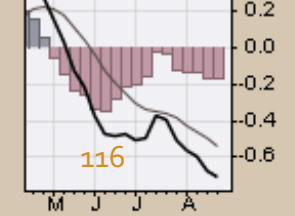
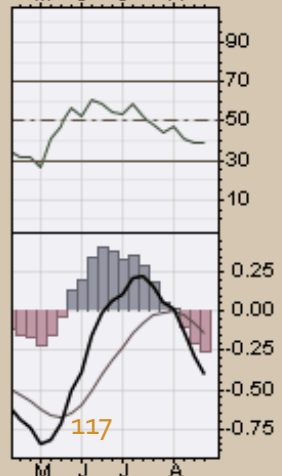
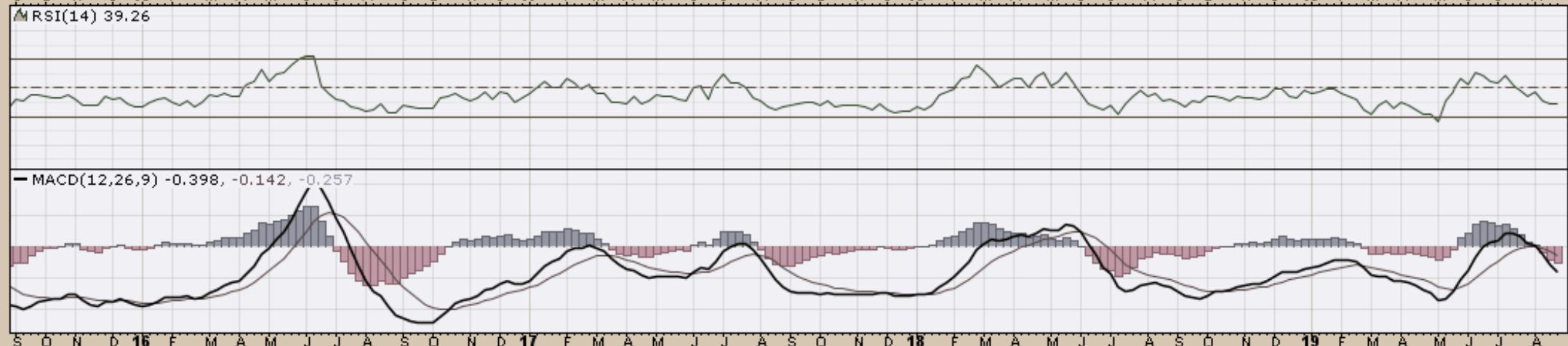
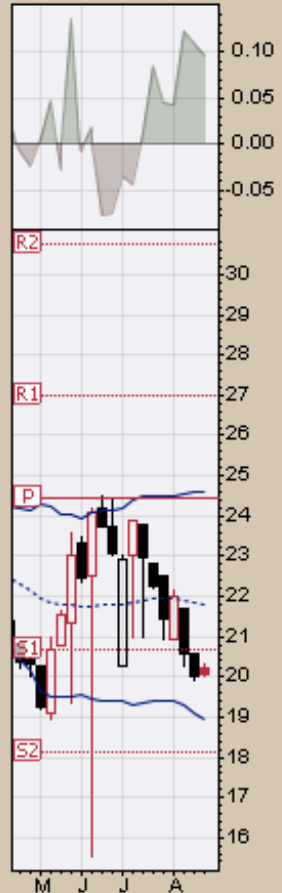


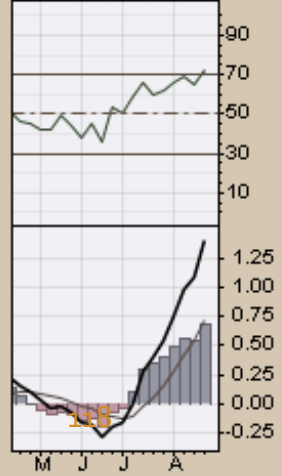
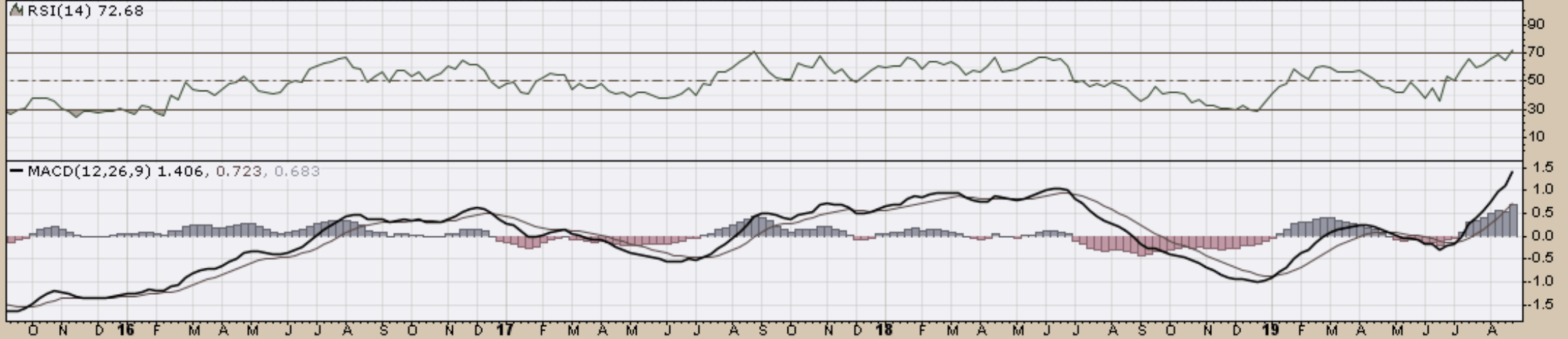
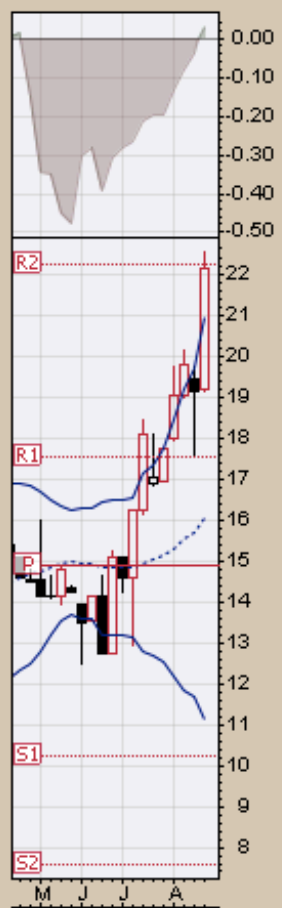
CHART D14. GRAINS, WEEKLY CHART

▲ JJGTF (Weekly) 20.08
— BB(20,2,0) 18.94 - 21.78 - 24.61
— PIVOTS 18.11, 20.69, 24.42, 27.00, 30.73



%% JJNTF (Weekly) 22.14
— BB(20,2,0) 11.17 - 16.04 - 20.92
— PIVOTS 7.59, 10.25, 14.90, 17.56, 22.21

CHART D15. NICKEL, WEEKLY CHART



JJUFF iPath Bloomberg Aluminum Subindex Total Return ETN OTC Mkt.

30-Aug-2019

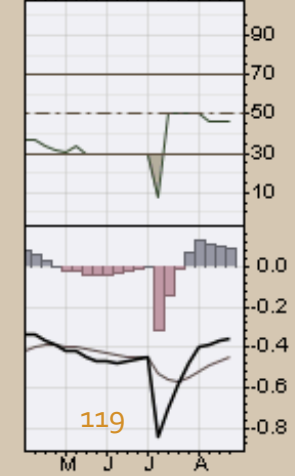
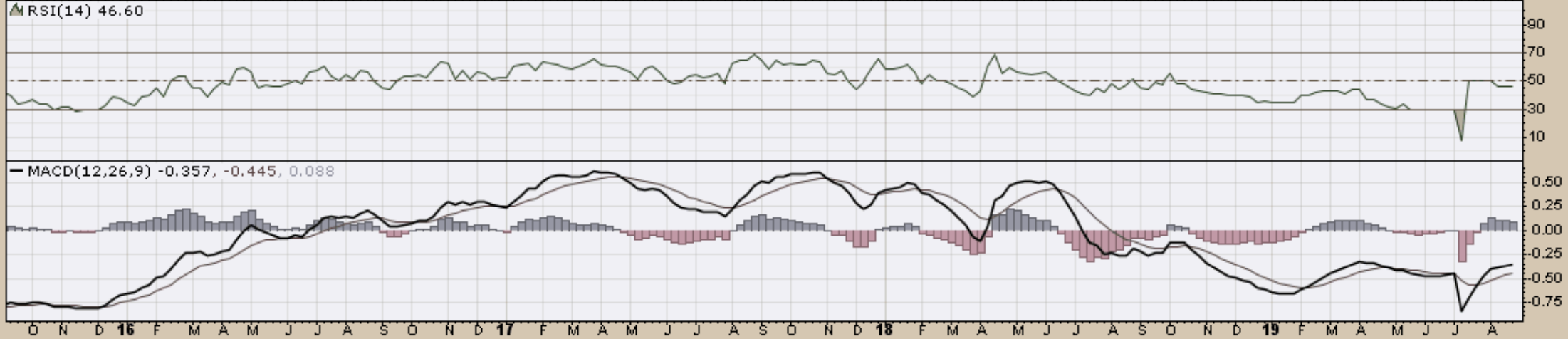
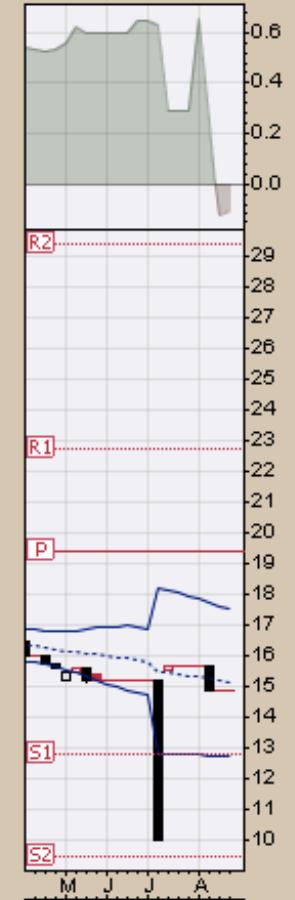
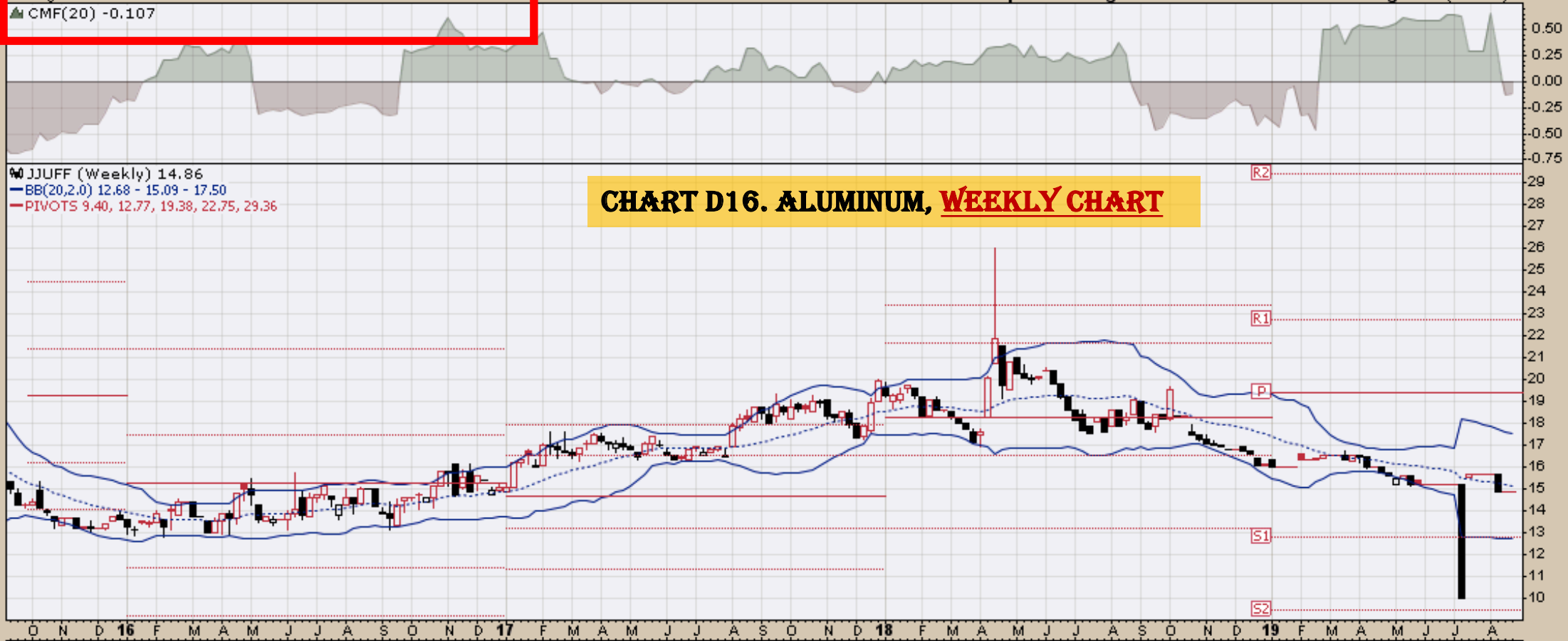
▲ CMF(20) -0.107

Open 14.86 High 14.86 Low 14.86 Close 14.86 Chg +0.00 (+0.00%) -

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▲ JJUFF (Weekly) 14.86
— BB(20,2,0) 12.68 - 15.09 - 17.50
— PIVOTS 9.40, 12.77, 19.38, 22.75, 29.36

CHART D16. ALUMINUM, WEEKLY CHART



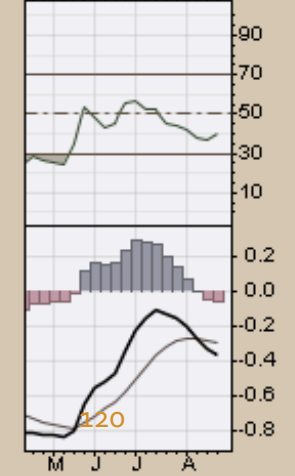
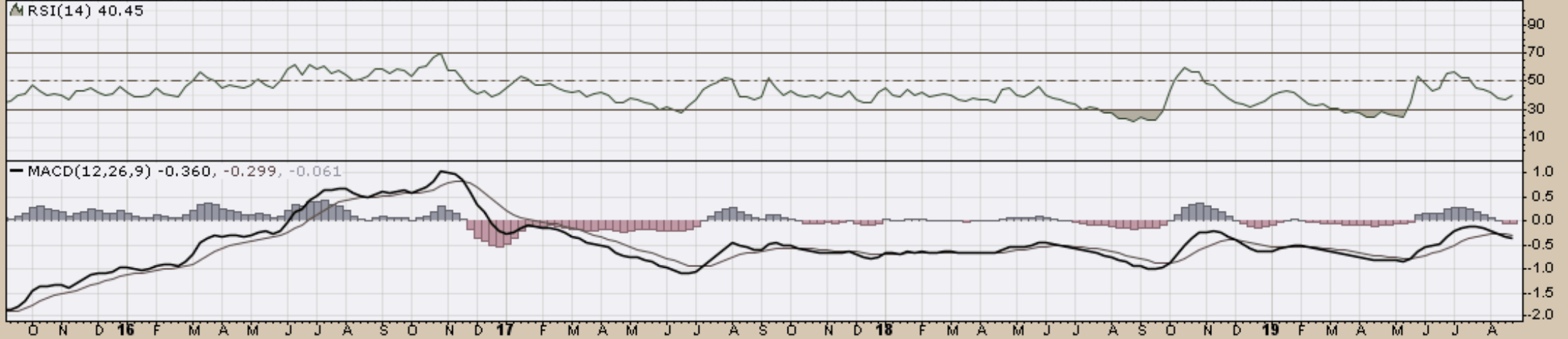
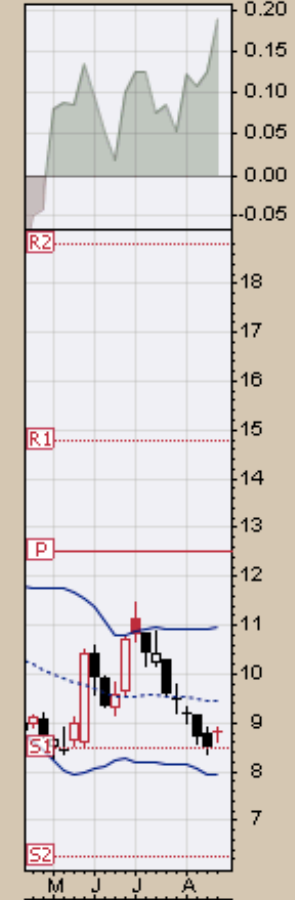
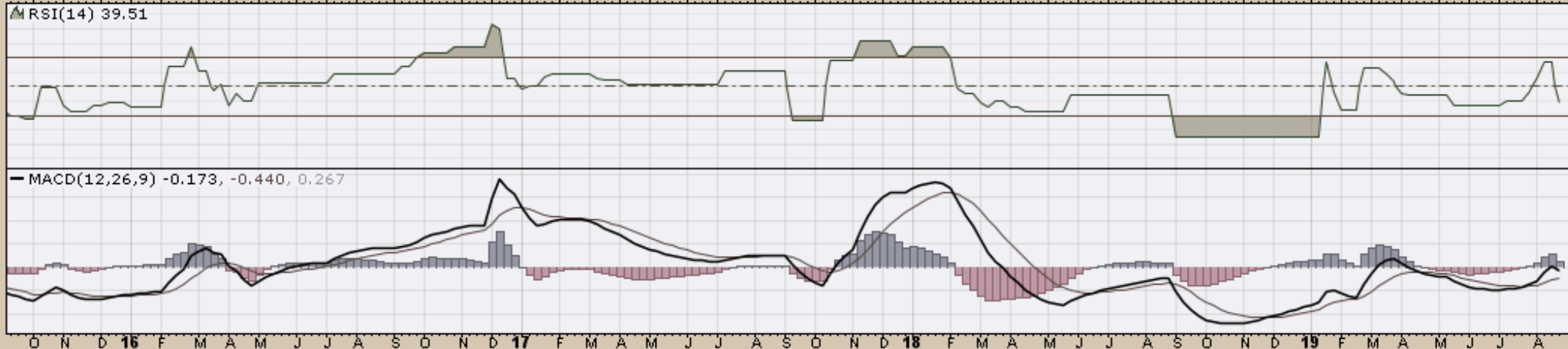


CHART D18. LEAD, WEEKLY CHART

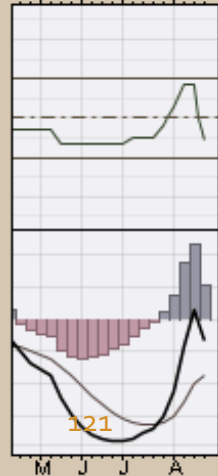
LD (Weekly) 40.73
BB(20,2,0) 39.73 - 42.80 - 45.87
PIVOTS 26.66, 34.89, 48.44, 56.67, 70.22



1.00
0.75
0.50
0.25
0.00
-0.25
-0.50
-0.75
70.0
67.5
65.0
62.5
60.0
57.5
55.0
52.5
50.0
47.5
45.0
42.5
40.0
37.5
35.0
32.5
30.0
27.5



90
70
50
30
10
4
3
2
1
0
-1
-2



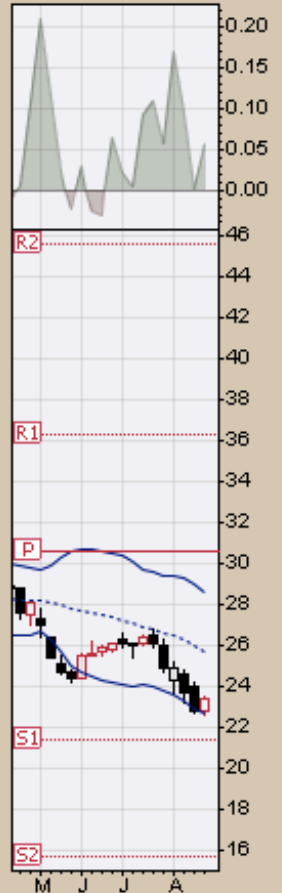
LIT Global X Lithium ETF NYSE
30-Aug-2019
▲ CMF(20) 0.058

Open 22.76 High 23.50 Low 22.59 Close 23.37 Volume 632.2K Chg +0.65 (+2.86%)▲

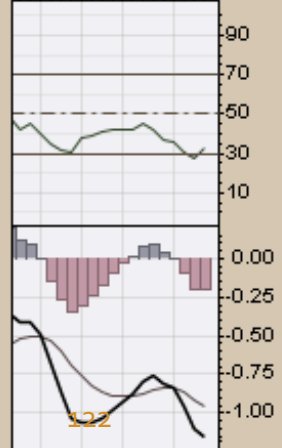
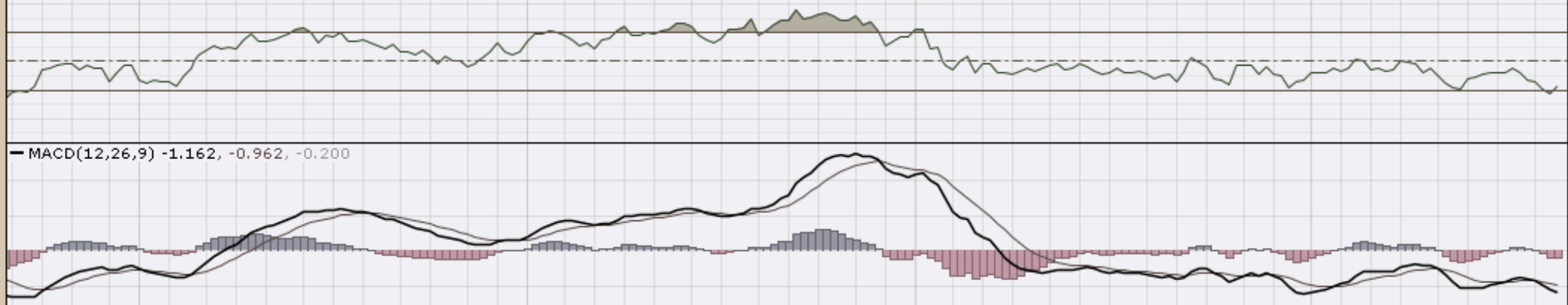
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CHART D19. LITHIUM, WEEKLY CHART

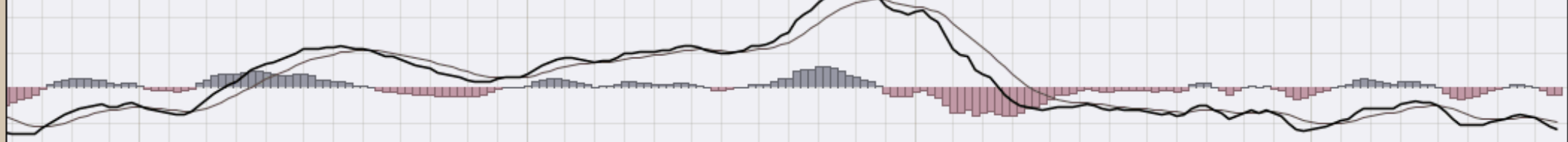
% LIT (Weekly) 23.37
— BB(20,2,0) 22.69 - 25.65 - 28.62
— PIVOTS 15.60, 21.31, 30.58, 36.29, 45.56

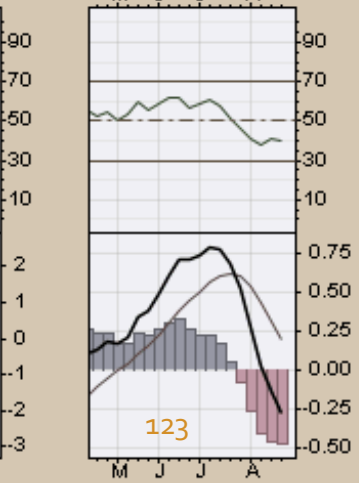
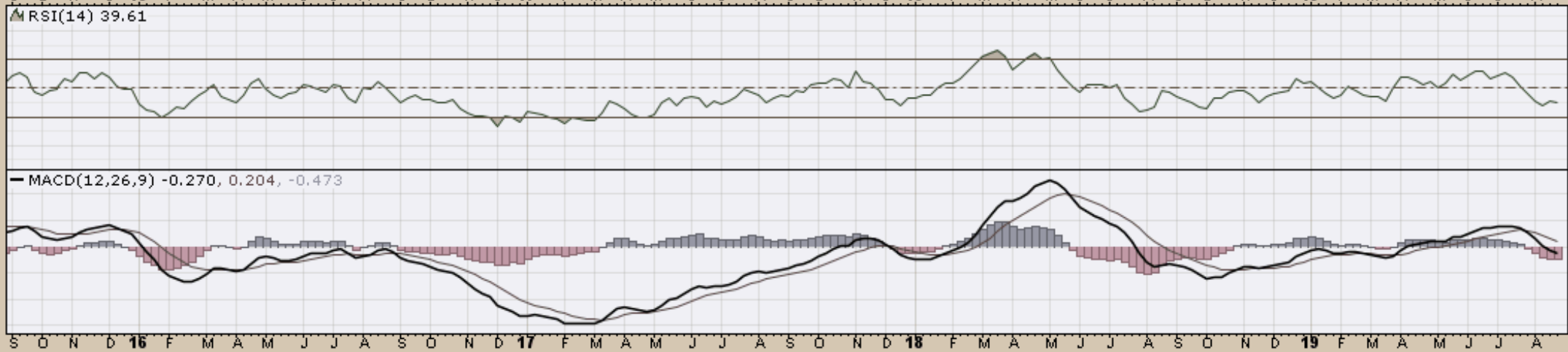
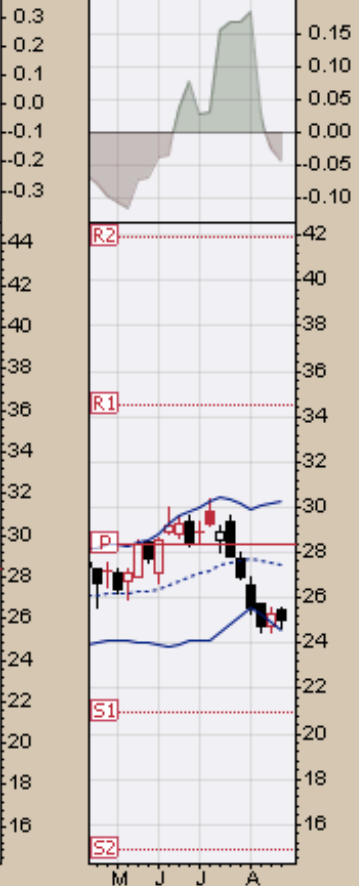


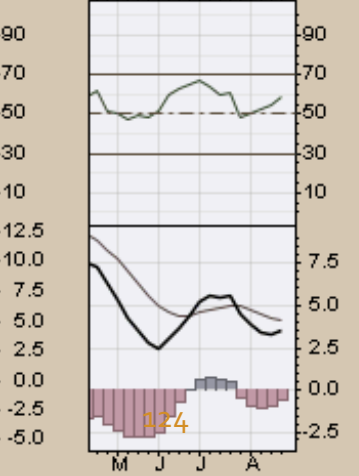
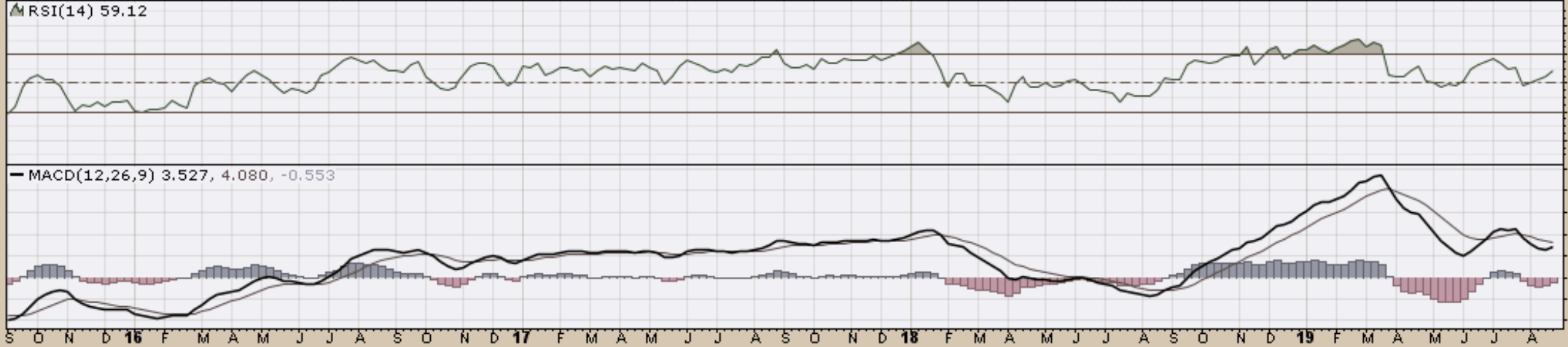
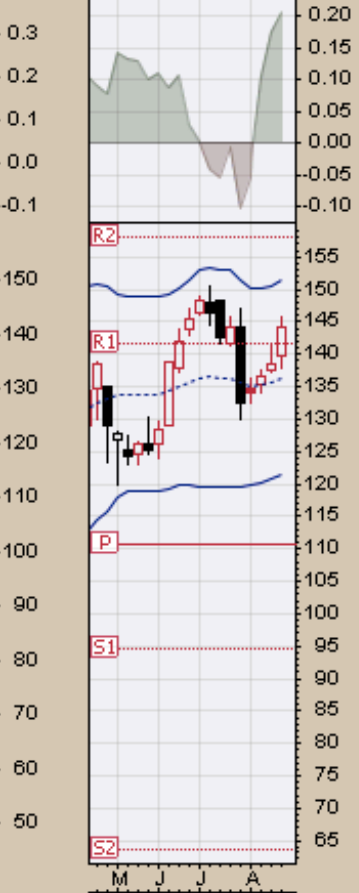
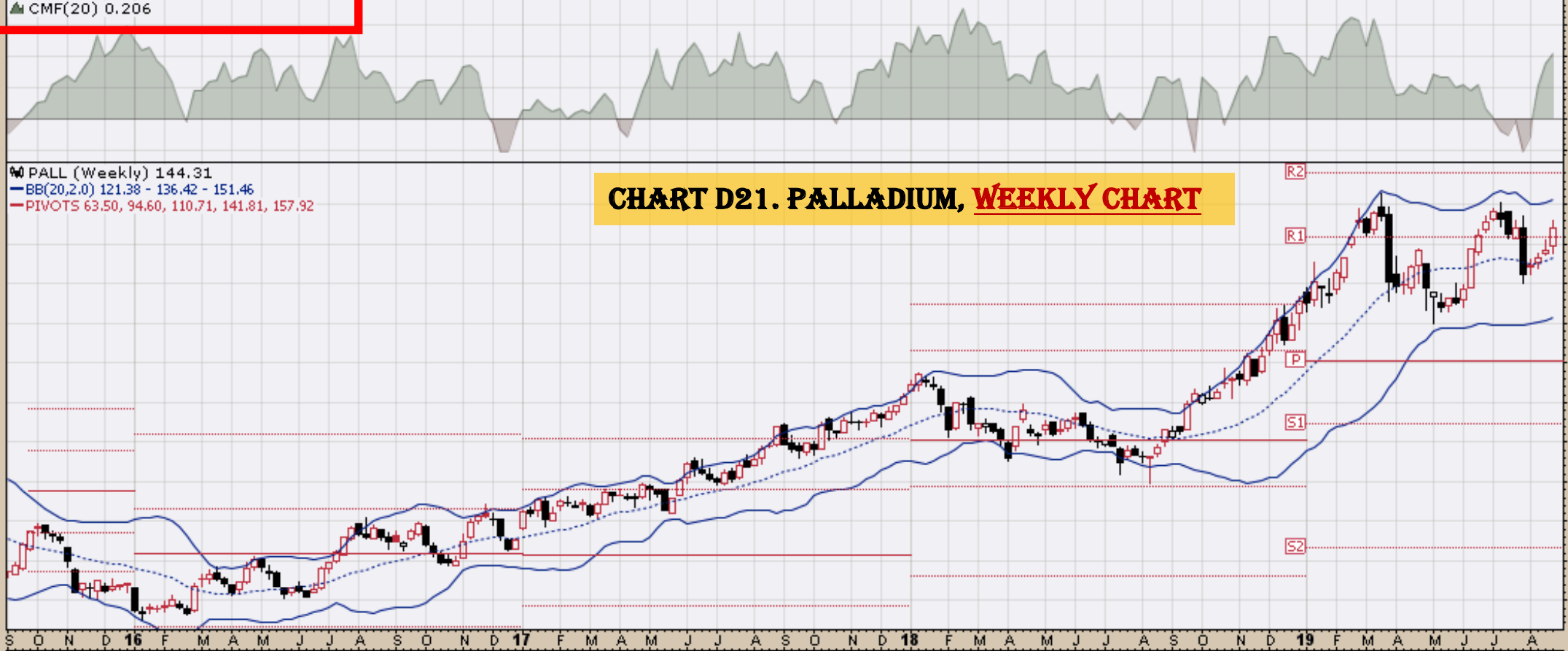
▲ RSI(14) 32.96

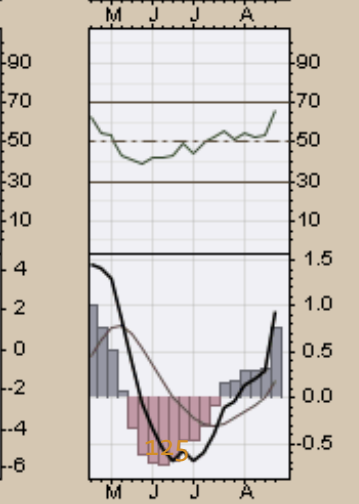
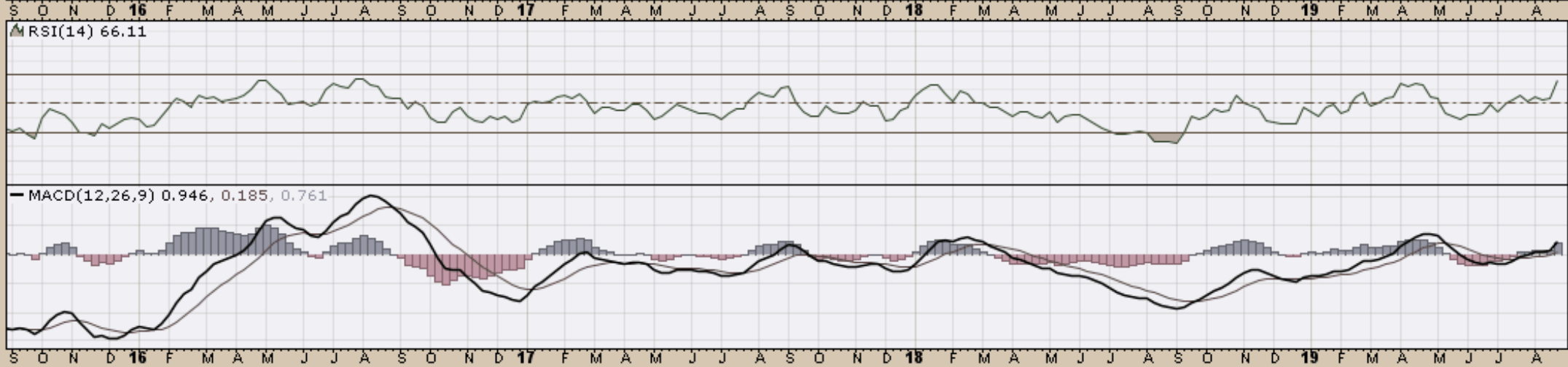
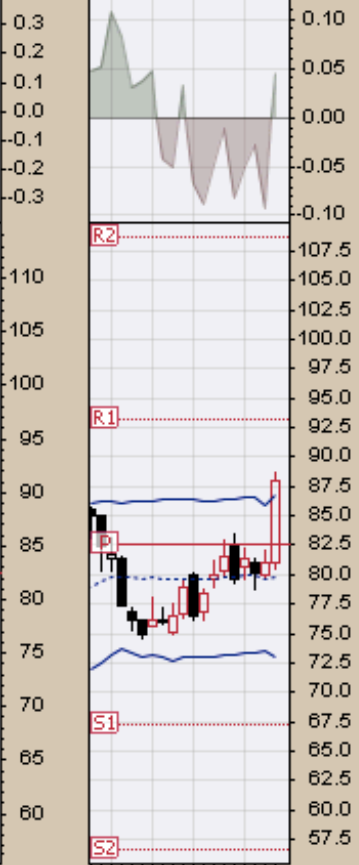


— MACD(12,26,9) -1.162, -0.962, -0.200









30-Aug-2019

▲ CMF(20) -0.141

SGGFF (Weekly) 19.46
BB(20,2,0) 19.43 - 21.57 - 23.70
PIVOTS 10.84, 16.09, 23.74, 28.99, 36.64

CHART D23. SUGAR, WEEKLY CHART

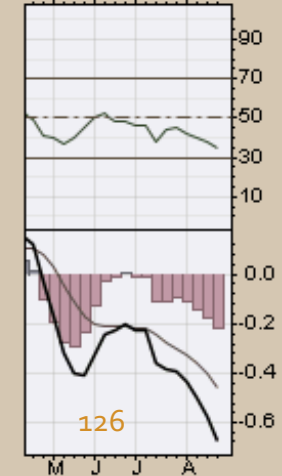
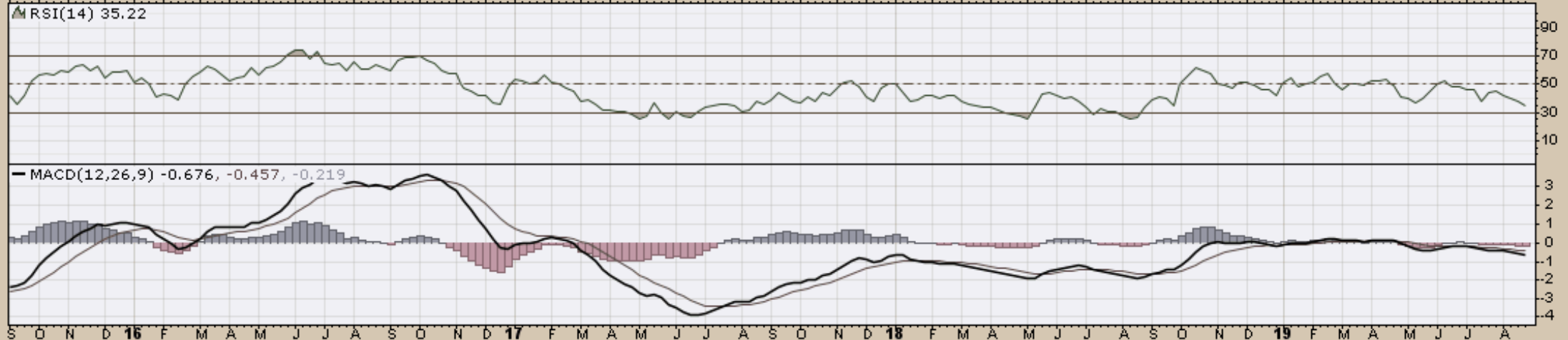
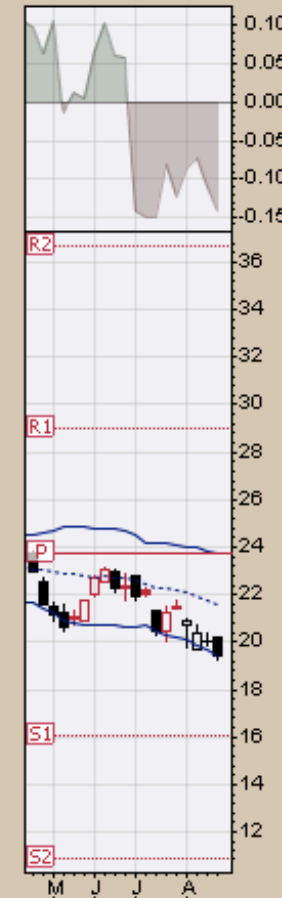
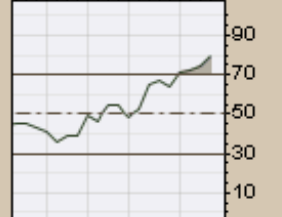


CHART D24. SILVER, WEEKLY CHART

SLV (Weekly) 17.15
BB(20,2,0) 12.63 - 14.64 - 16.65
PIVOTS 11.30, 13.01, 14.83, 16.54, 18.36



▲ RSI(14) 79.61



MACD(12,26,9) 0.572, 0.272, 0.300

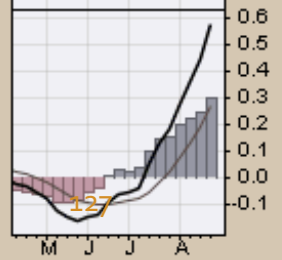
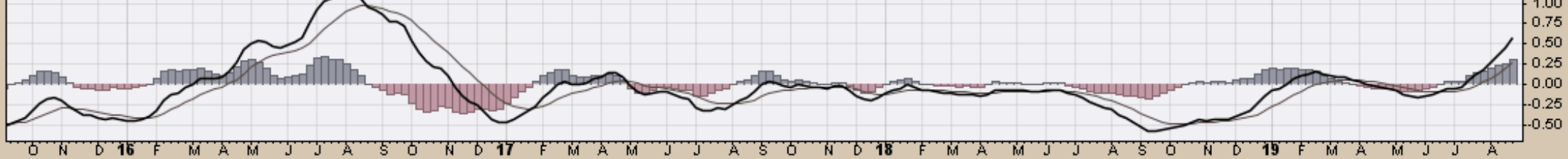
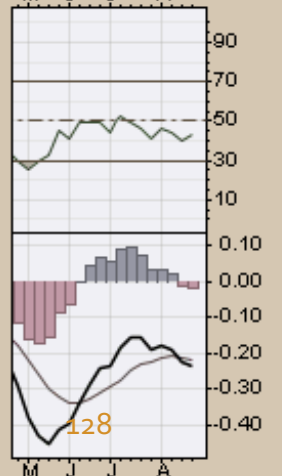
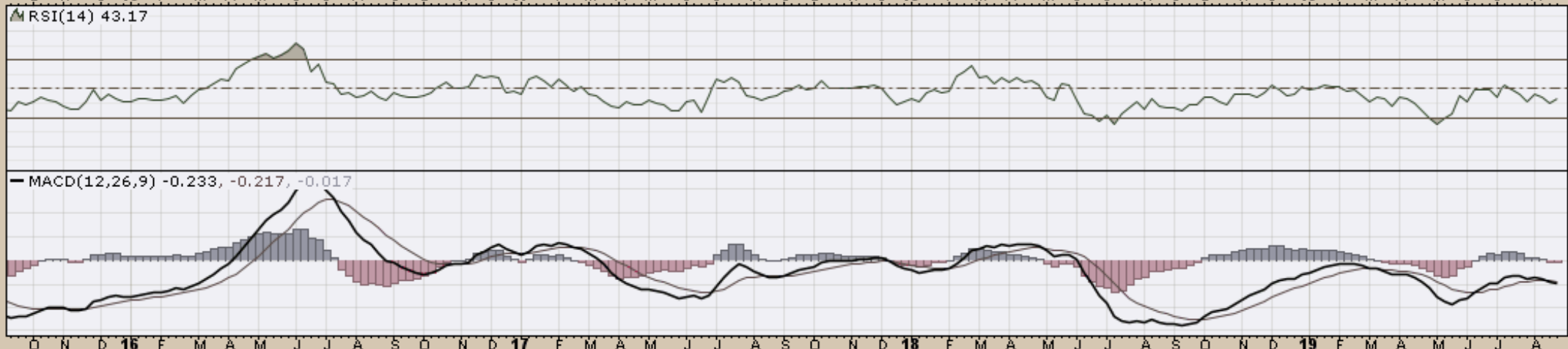
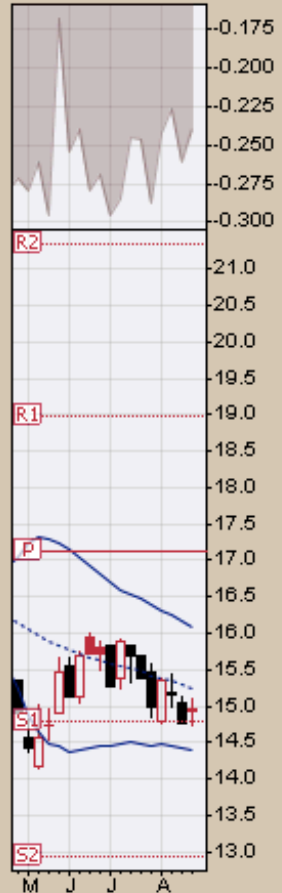


CHART D25. SOYBEANS, WEEKLY CHART

SOYB (Weekly) 14.96
BB(20,2,0) 14.40 - 15.24 - 16.08
PIVOTS 12.92, 14.78, 17.12, 18.99, 21.33



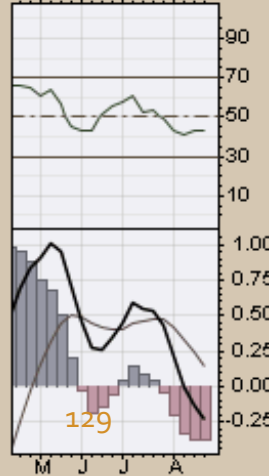
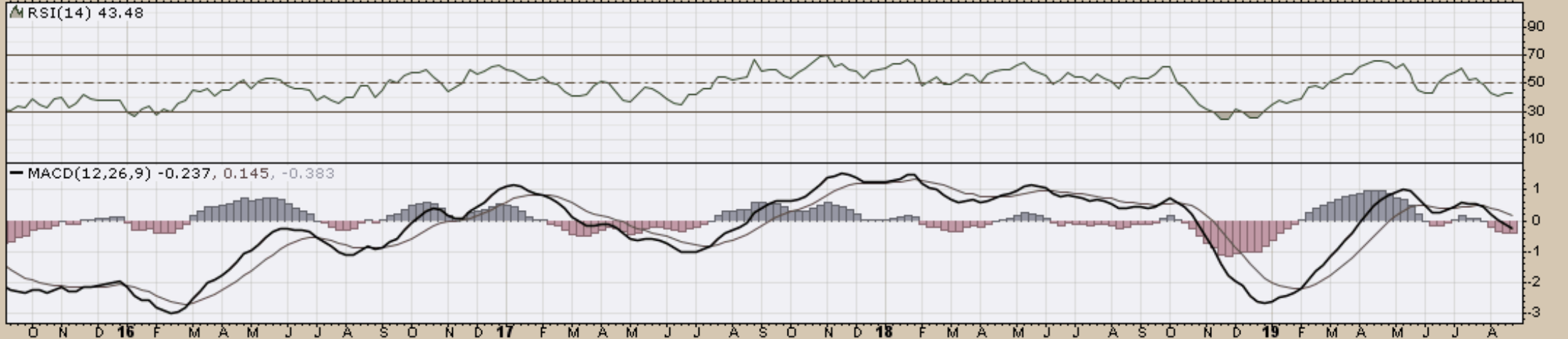
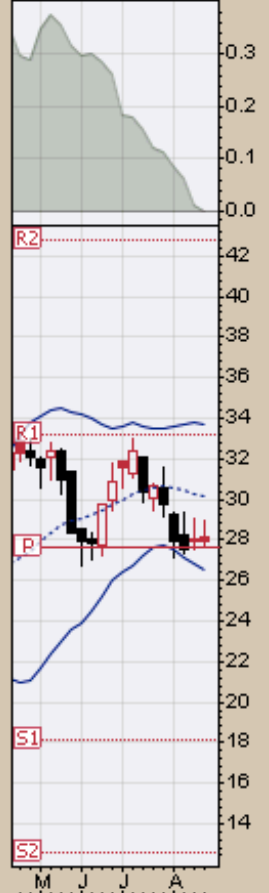
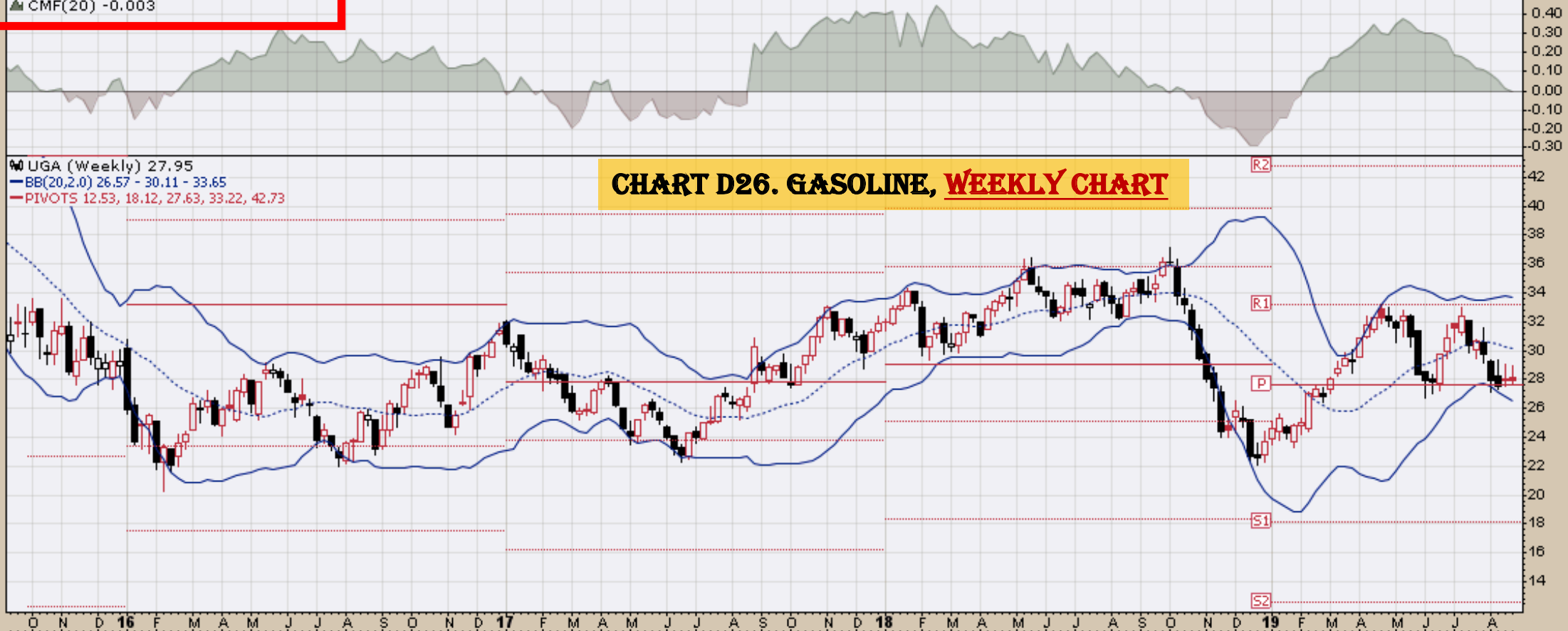


CHART 27. NATURAL GAS, WEEKLY CHART

UNG (Weekly) 19.77
BB(20,2,0) 17.48 - 20.45 - 23.41
PIVOTS 10.53, 17.81, 28.84, 36.12, 47.15

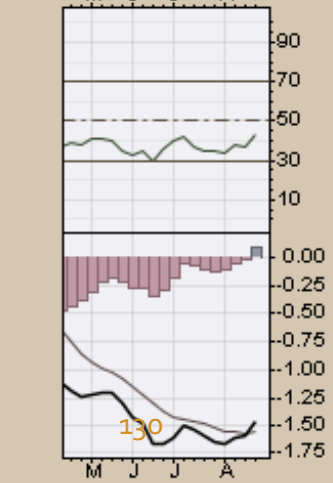
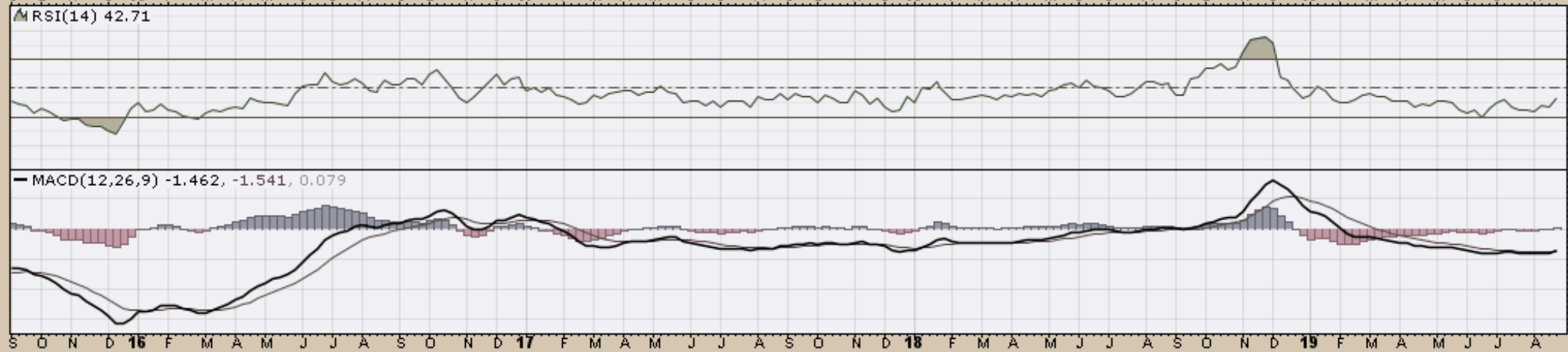
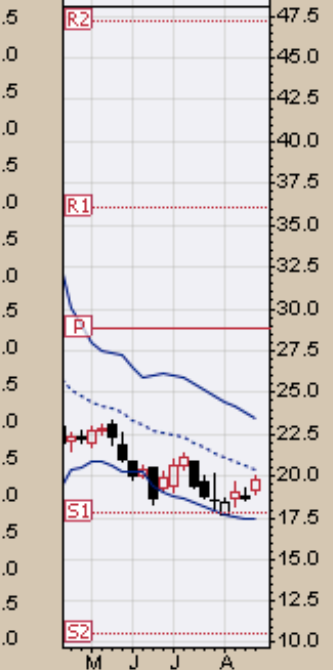
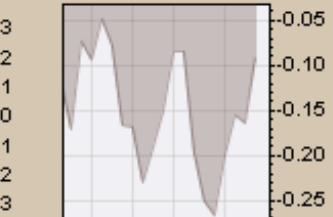
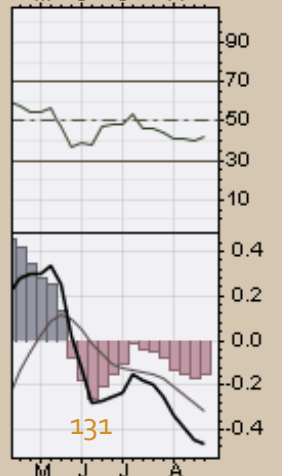
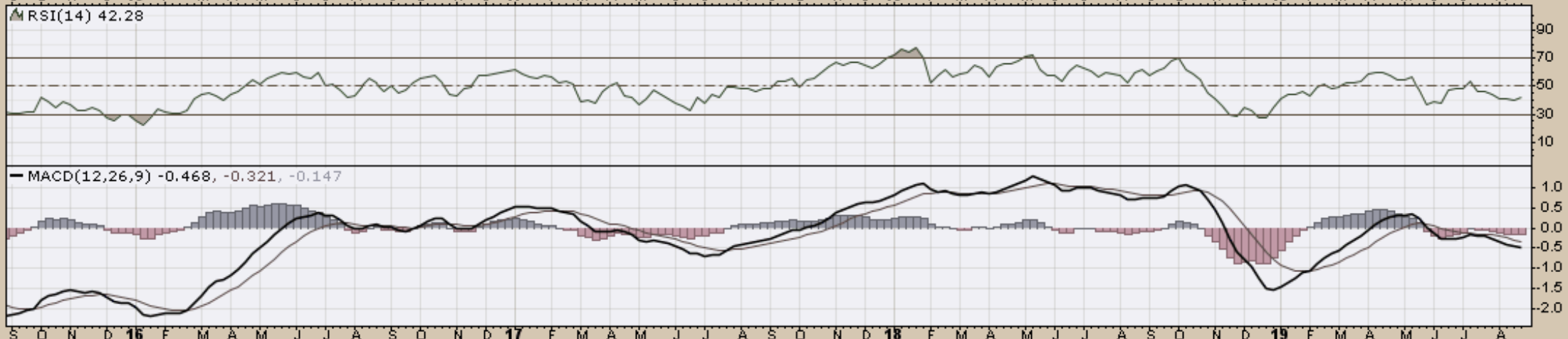
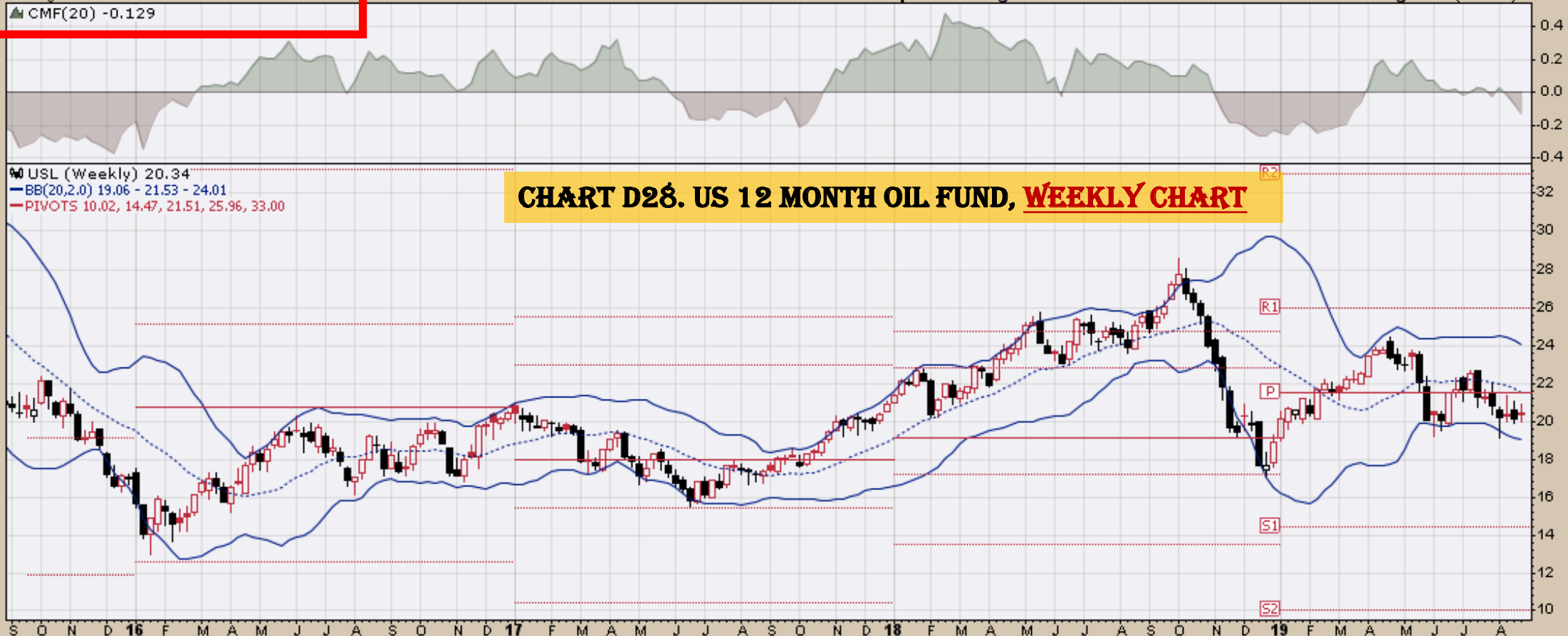


CHART D28. US 12 MONTH OIL FUND, WEEKLY CHART

USL (Weekly) 20.34
BB(20,2.0) 19.06 - 21.53 - 24.01
PIVOTS 10.02, 14.47, 21.51, 25.96, 33.00



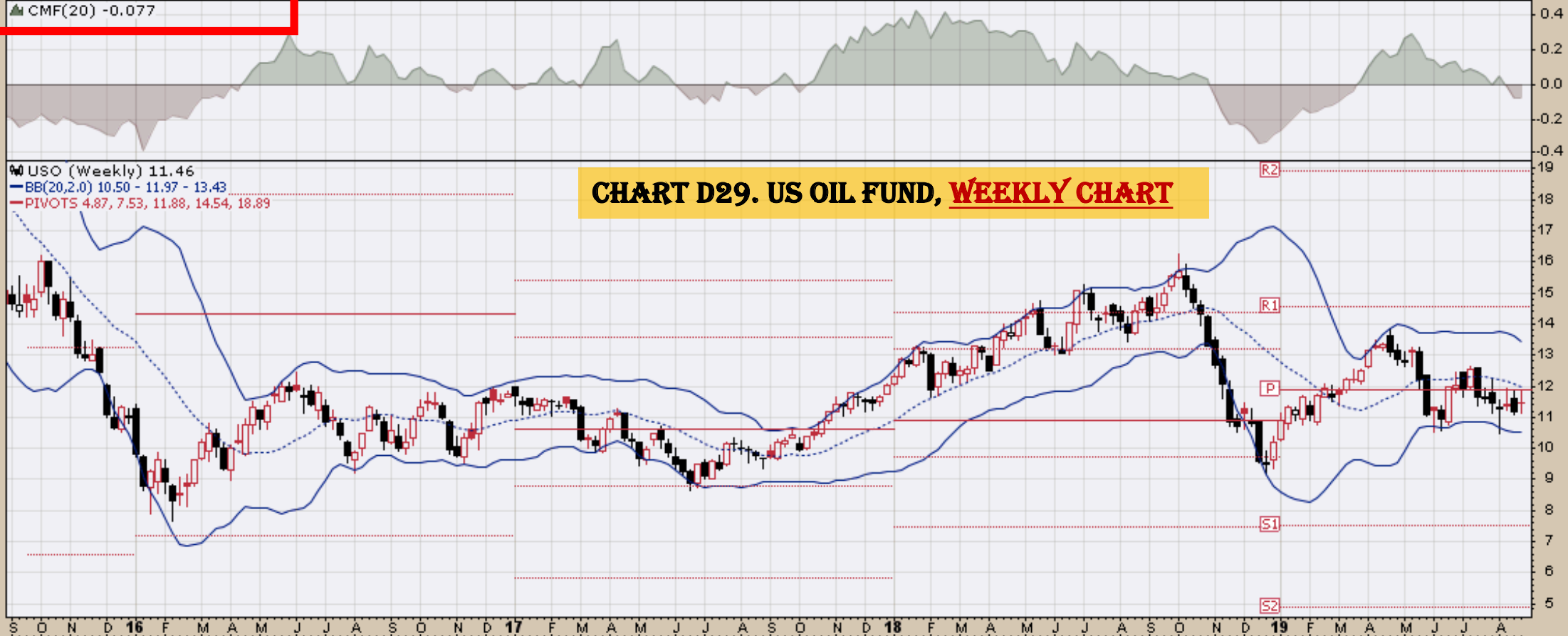
USO United States Oil Fund, LP NYSE
30-Aug-2019
▲ CMF(20) -0.077

Open 11.44 High 11.83 Low 11.14 Close 11.46 Volume 134.1M Chg +0.27 (+2.41%)▲

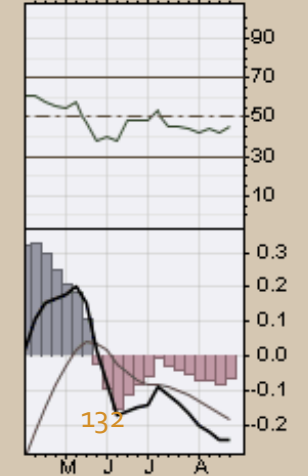
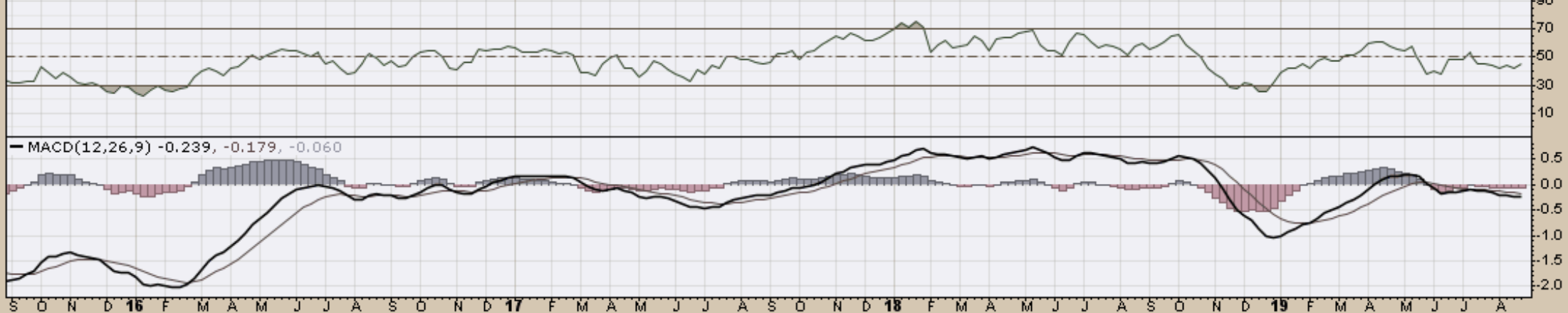
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CHART D29. US OIL FUND, WEEKLY CHART

USO (Weekly) 11.46
BB(20,2.0) 10.50 - 11.97 - 13.43
PIVOTS 4.87, 7.53, 11.88, 14.54, 18.89



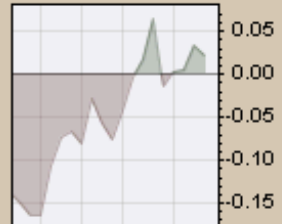
RSI(14) 45.29



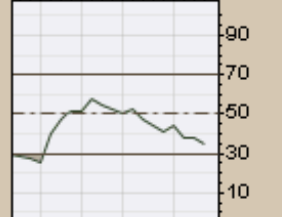
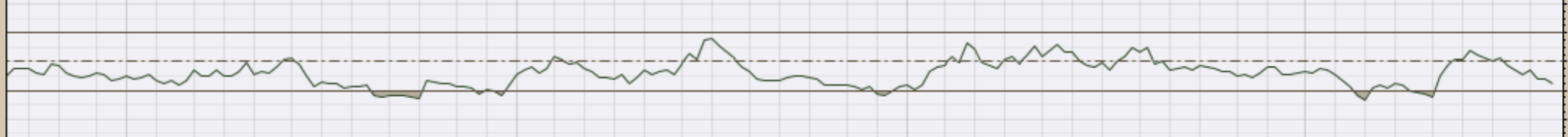


WEAT (Weekly) 4.96
 BB(20,2.0) 4.78 - 5.39 - 5.99
 PIVOTS 4.92, 5.49, 6.41, 6.98, 7.90

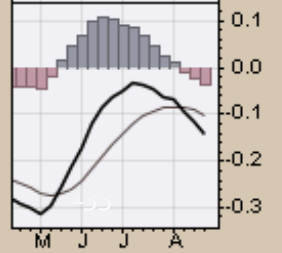
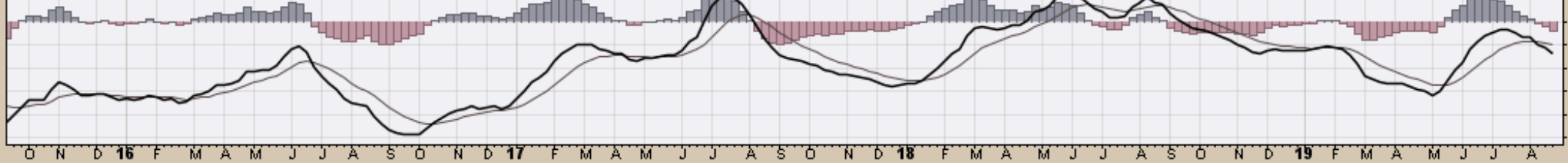
CHART D30. WHEAT, WEEKLY CHART



▲ RSI(14) 35.11



MACD(12,26,9) -0.140, -0.101, -0.039



End