

***Market Outlook Considerations
Chart Book, Week Beginning
August 26, 2019***

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*Robert Coats, Ph.D.
Economist
Arkansas Department of Agriculture
1 Natural Resources Drive
Little Rock, AR 72205*

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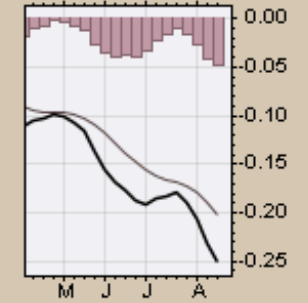
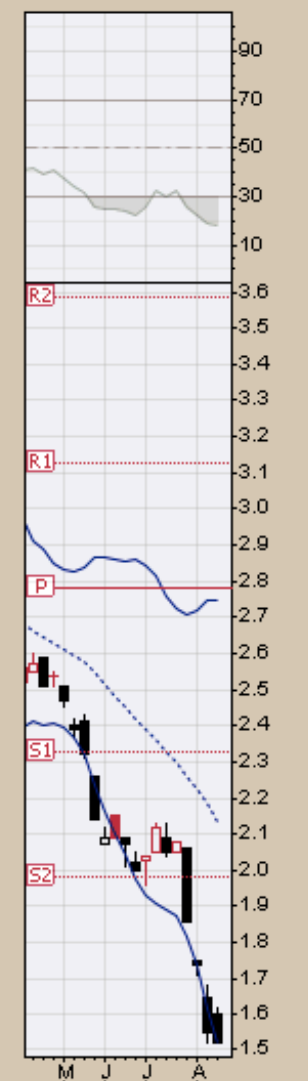
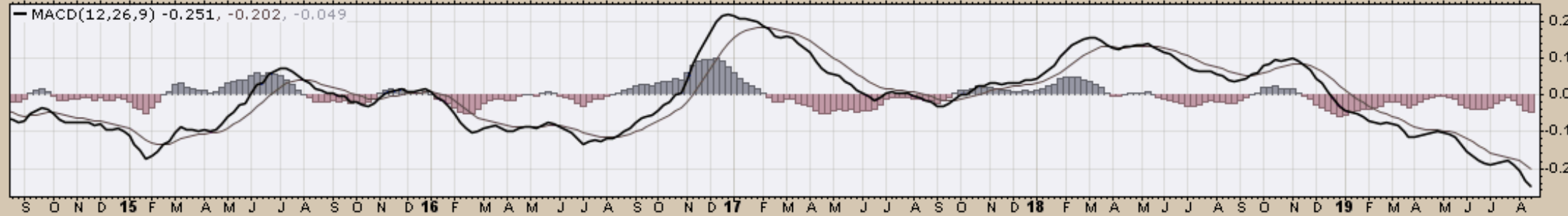
***\$UST10Y – 10 Year US Treasury Yield
Weekly, Daily and Monthly Charts***

23-Aug-2019

▲ RSI(14) 18.49

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

▲ \$UST10Y (Weekly) 1.52
 — BB(20,2,0) 1.52 - 2.14 - 2.75
 — PIVOTS 1.98, 2.33, 2.78, 3.13, 3.58
 ■ Volume undef



\$UST10Y (Daily) 1.52
MA(200) 2.46
Volume undef

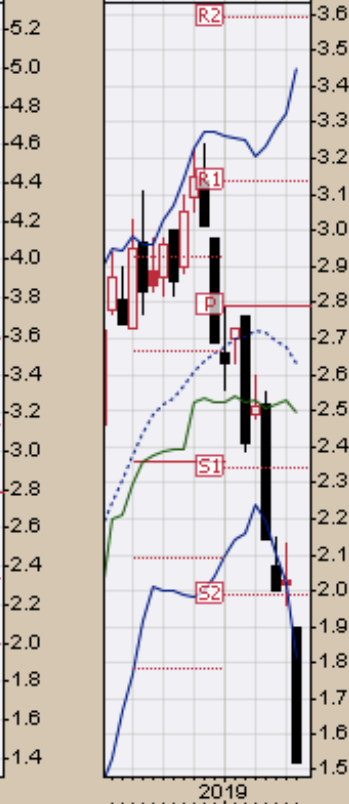
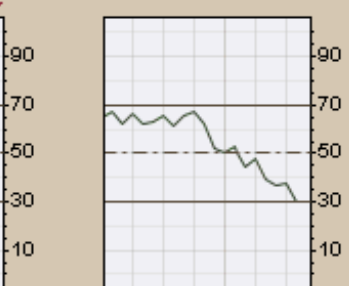
CHART A2. \$UST10Y - 10-YEAR US TREASURY YIELD, DAILY CHART



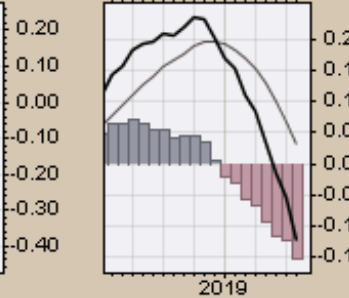
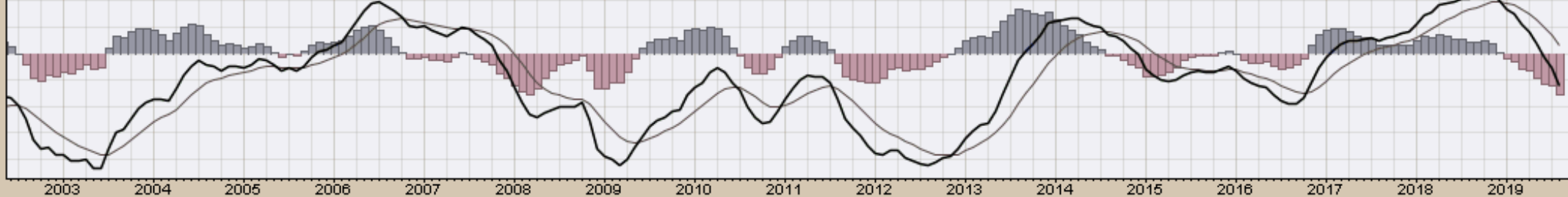
RSI(14) 29.86

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

\$UST10Y (Monthly) 1.52
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



MACD(12,26,9) -0.124, 0.030, -0.154



23-Aug-2019

Open 1.90 High 1.90 Low 1.52 Close 1.52 Chg -0.50 (-24.75%)

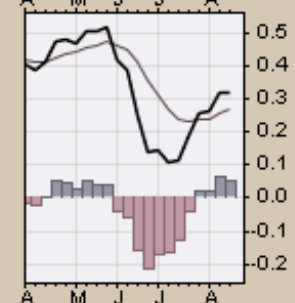
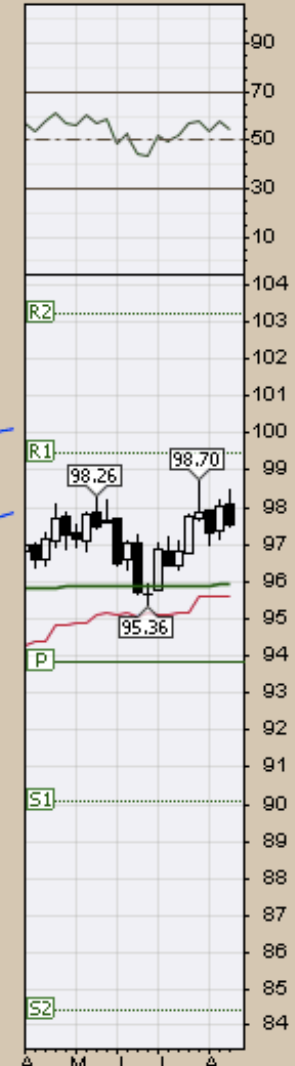
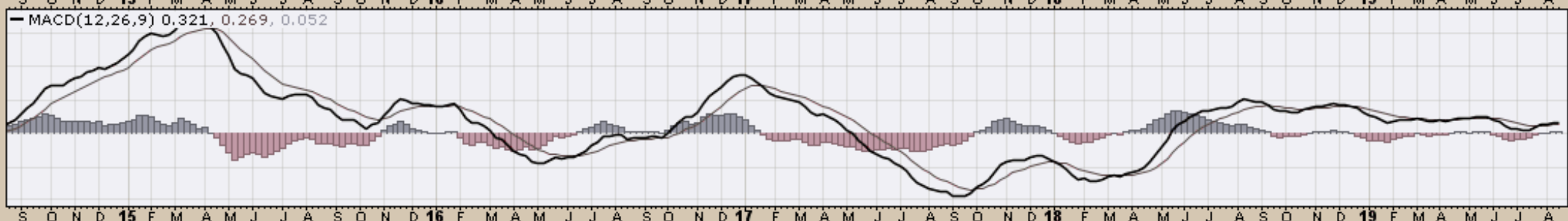
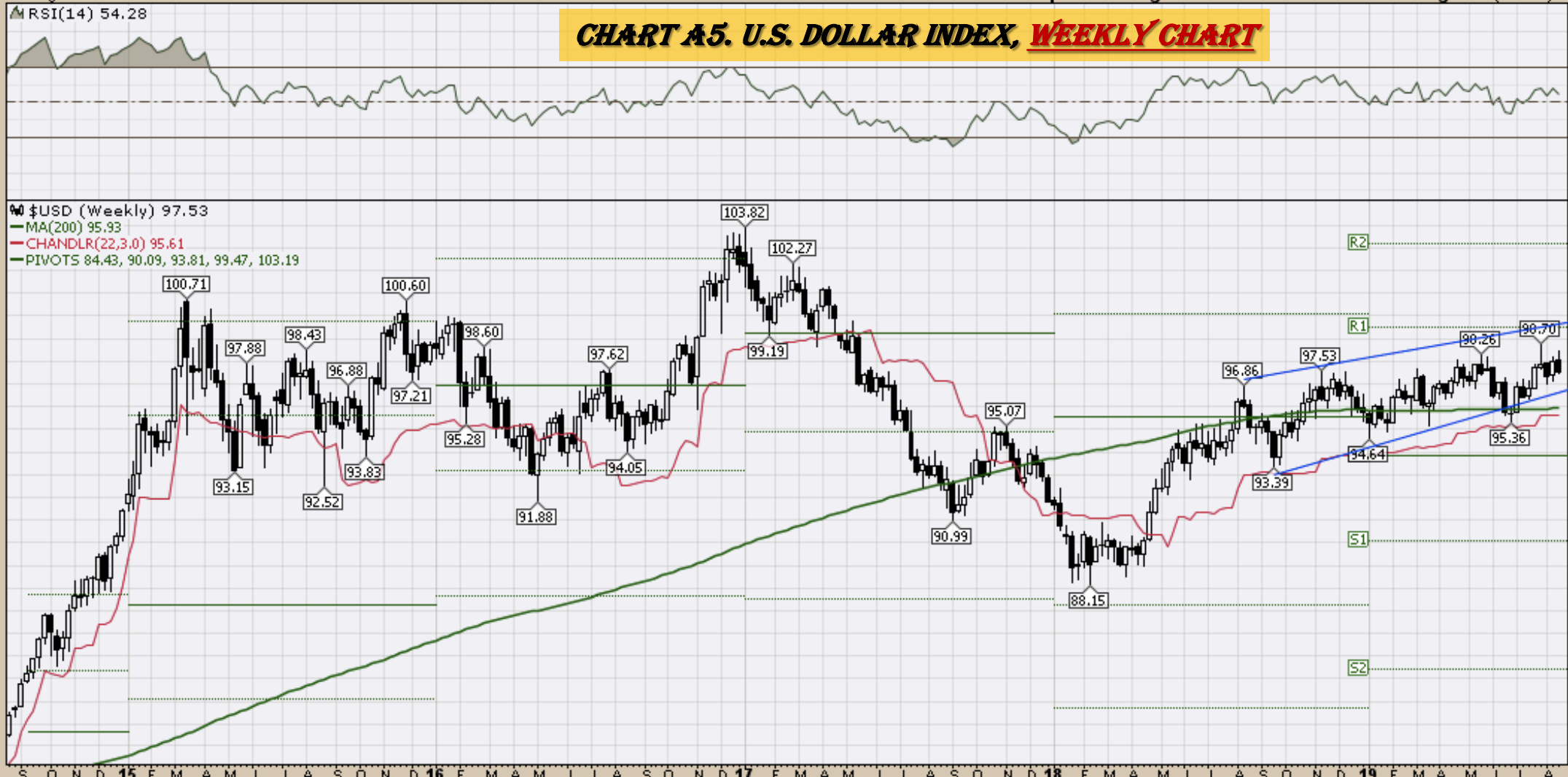
— \$UST10Y (Monthly) 1.52
— MA(200) 3.12



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

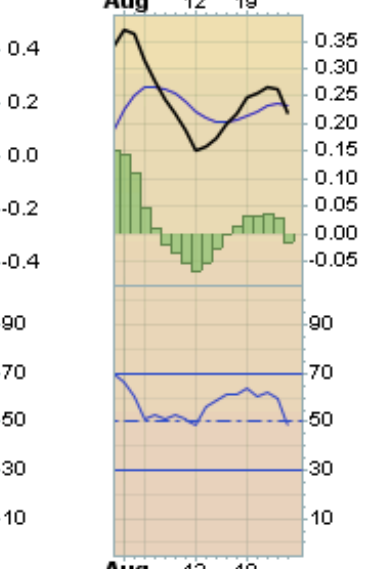
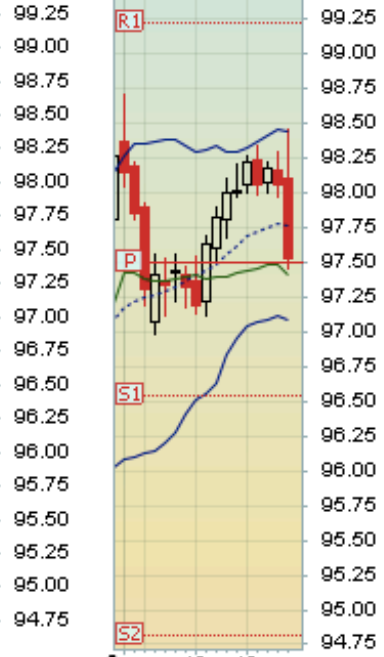
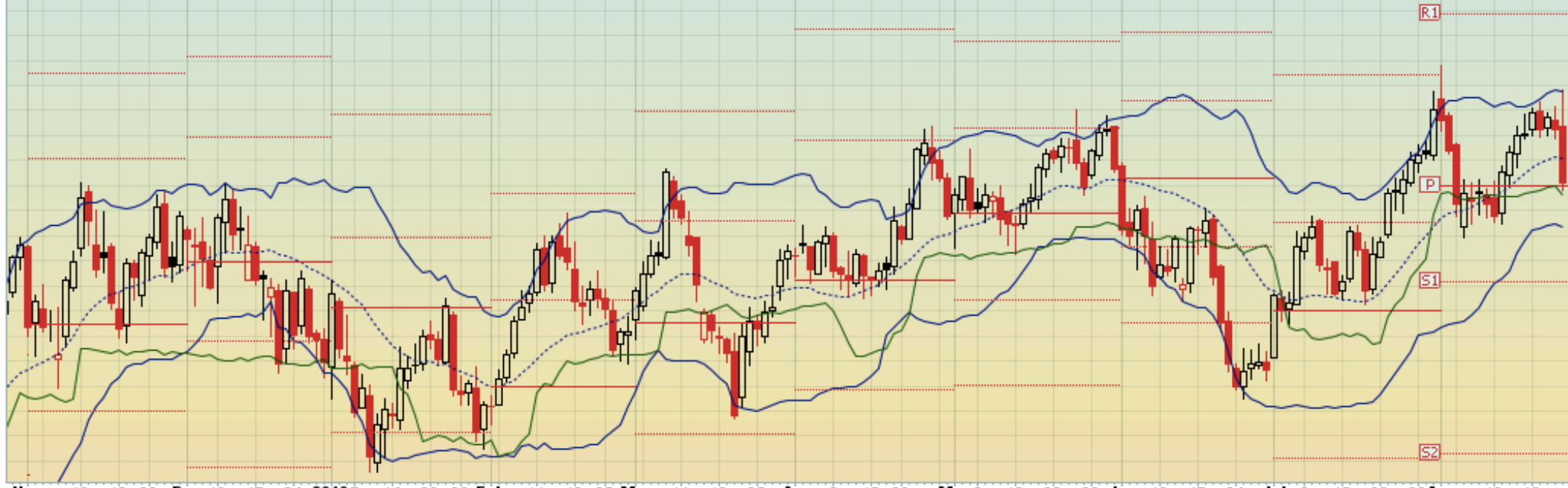
US Dollar Index
Weekly, Daily and Monthly Charts

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



23-Aug-2019
US Dollar Index - Cash Settle (EOD) (Daily) 97.53
BB(20,2,0) 97.10 - 97.77 - 98.45
PIVOTS 94.82, 96.54, 97.49, 99.21, 100.16
CHANDLR(22,3,0) 97.41
Volume undef

CHART A6A. US DOLLAR INDEX, DAILY CHART



US Dollar Index - Cash Settle (EOD) (Daily) 97.53

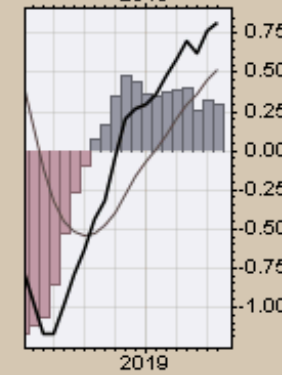
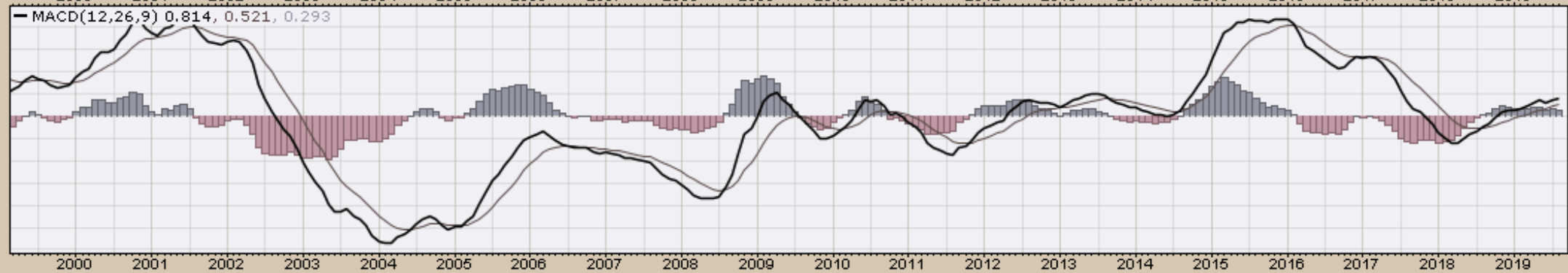
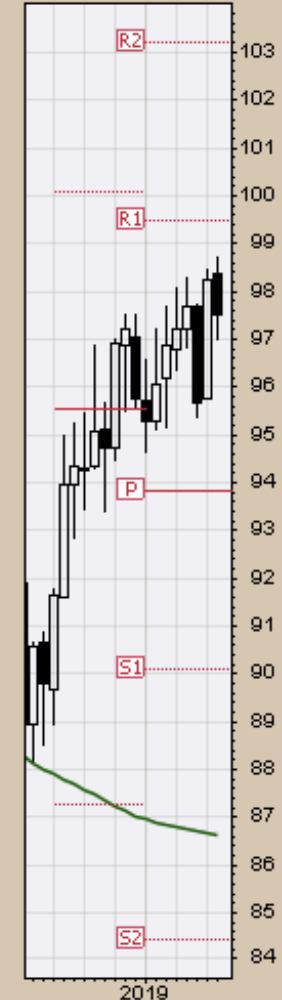
CHART A6B. US DOLLAR INDEX, DAILY CHART



23-Aug-2019

\$USD (Monthly) 97.53
MA(200) 86.64
PIVOTS 84.43, 90.08, 93.81, 99.46, 103.18

CHART A7. US DOLLAR INDEX, MONTHLY CHART



— \$USD (Monthly) 97.53
— MA(200) 86.64

CHART A8. US DOLLAR INDEX, MONTHLY CHART



Select Currency Charts
Monthly Charts

AO \$XEU (Monthly) 111.36

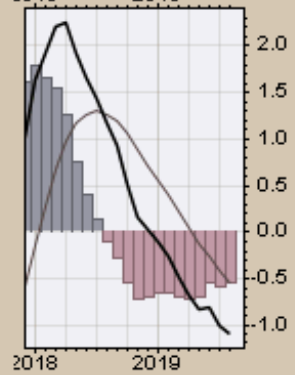
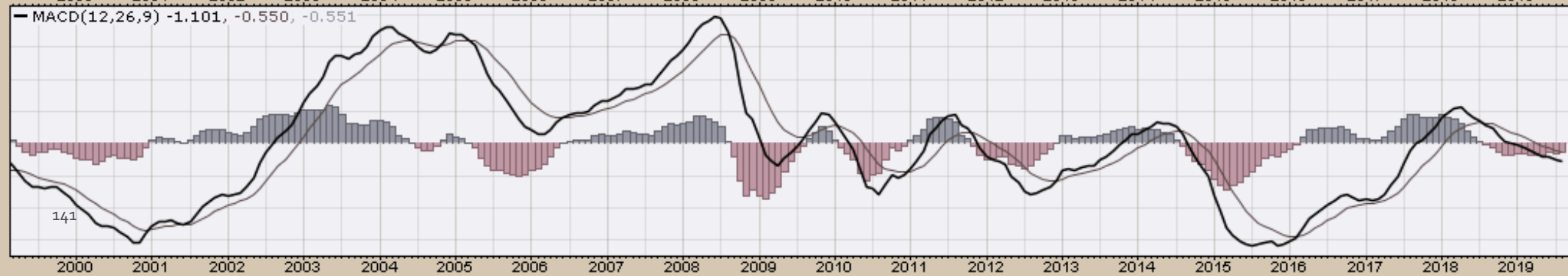
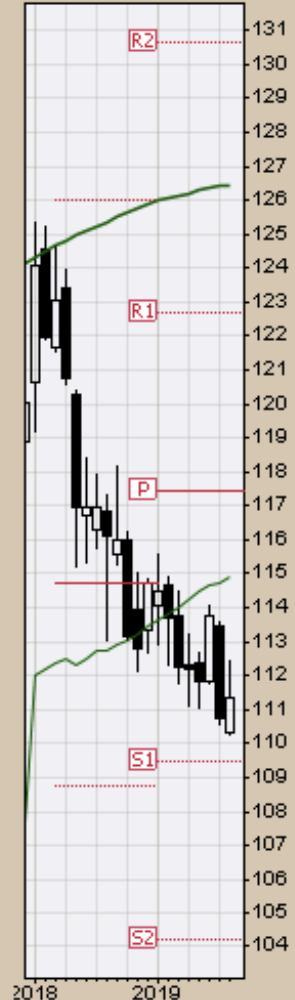
MA(200) 126.45

PIVOTS 104.20, 109.46, 117.41, 122.67, 130.62

CHANDLR(22,3.0) 114.94



CHART A9. EURO, MONTHLY CHART



23-Aug-2019

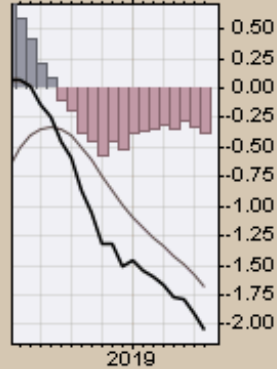
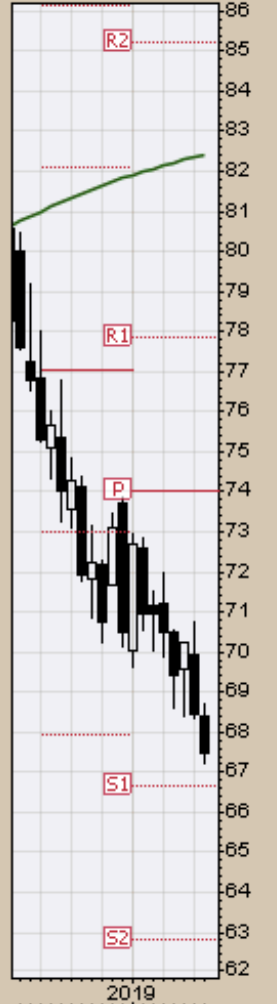
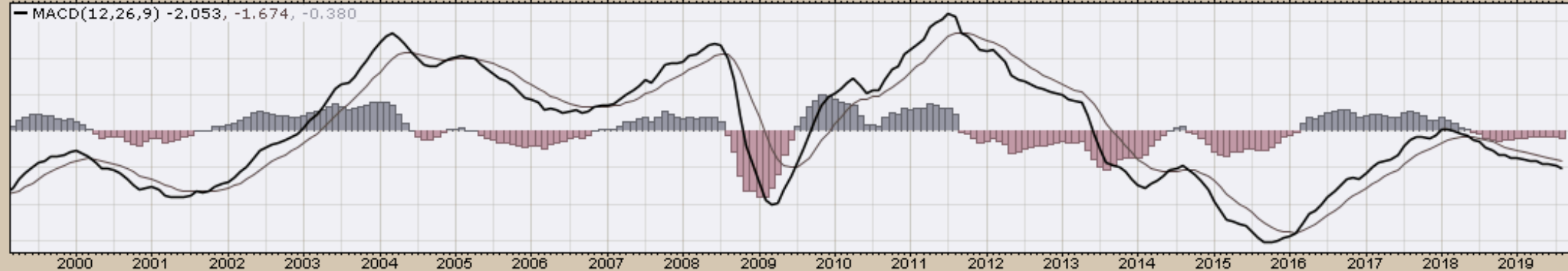
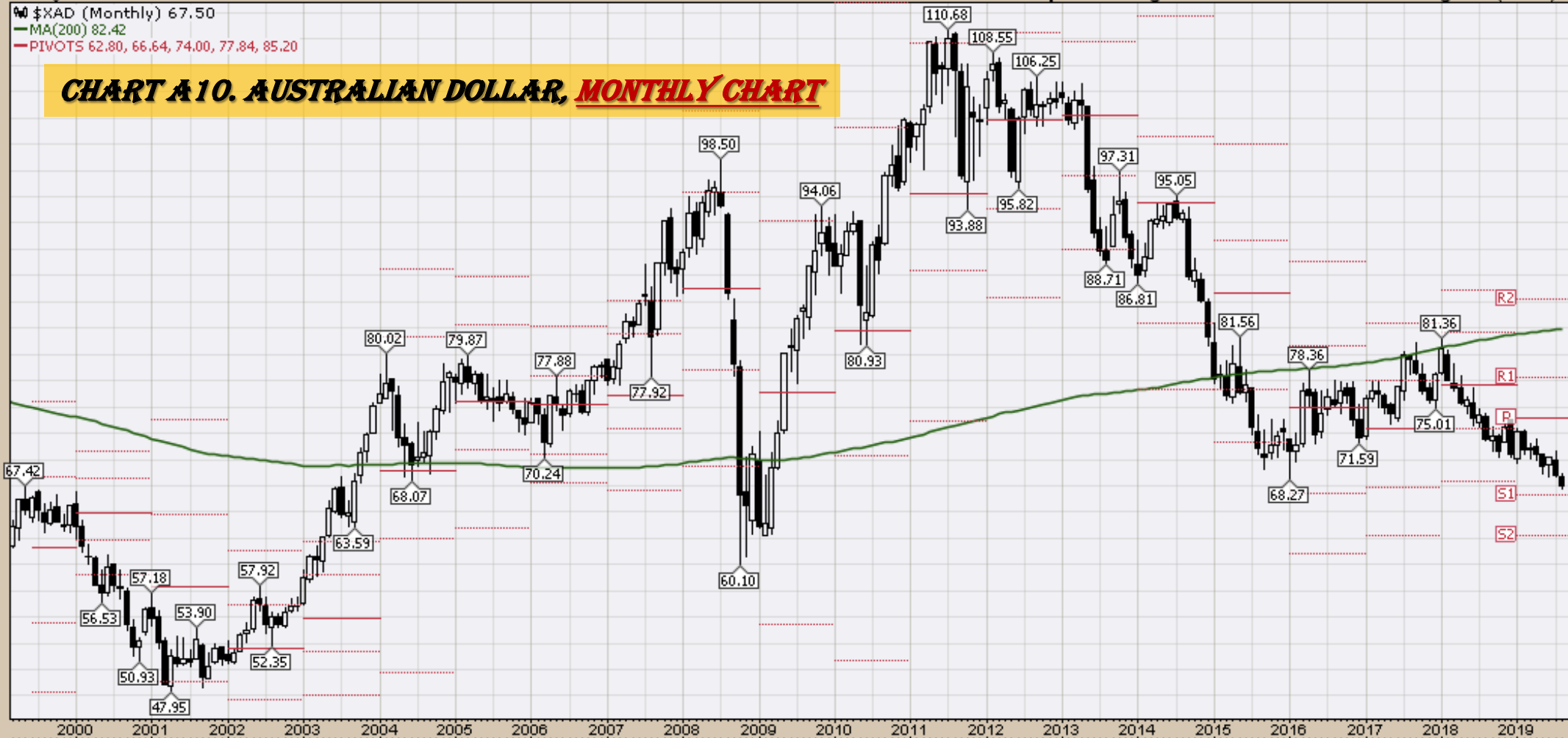
Open 68.40 High 68.69 Low 67.22 Close 67.50 Chg -0.95 (-1.38%)

\$XAD (Monthly) 67.50

MA(200) 82.42

PIVOTS 62.80, 66.64, 74.00, 77.84, 85.20

CHART A10. AUSTRALIAN DOLLAR, MONTHLY CHART

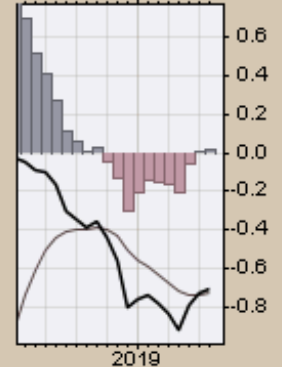
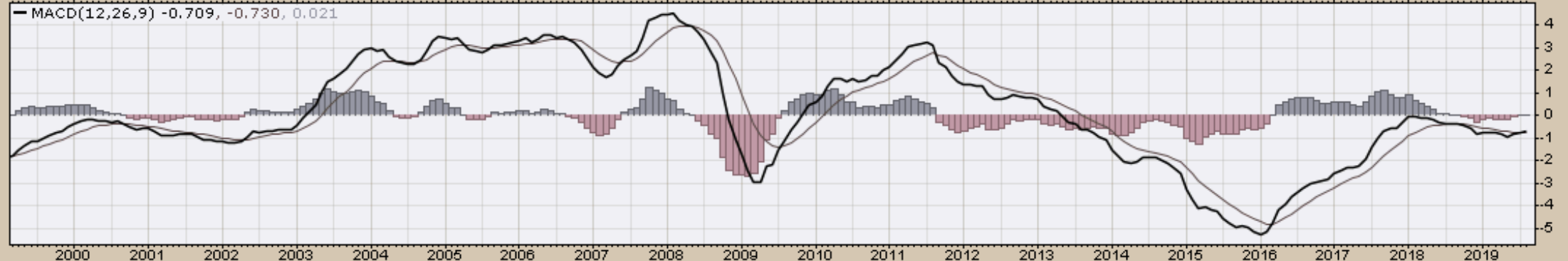
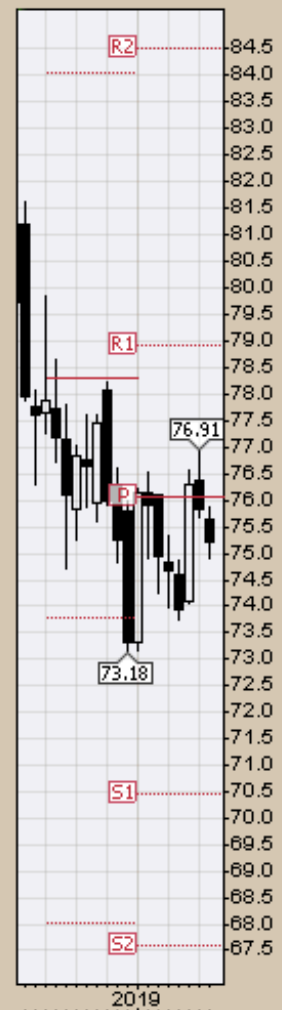


23-Aug-2019

AO \$CDW (Monthly) 75.22

MA(200) 86.39

PIVOTS 67.59, 70.46, 76.05, 78.91, 84.50



23-Aug-2019

Open 91.80 High 95.14 Low 91.80 Close 94.80 Chg +2.84(+3.09%) ▲

\$XJY (Monthly) 94.80
MA(200) 97.43
PIVOTS 82.77, 86.98, 91.49, 95.70, 100.21

CHART A12. JAPANESE YEN, MONTHLY CHART

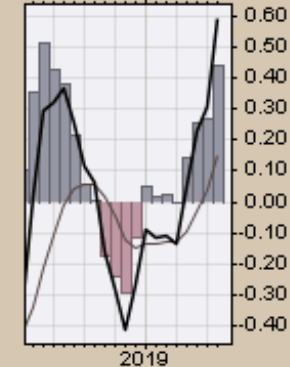
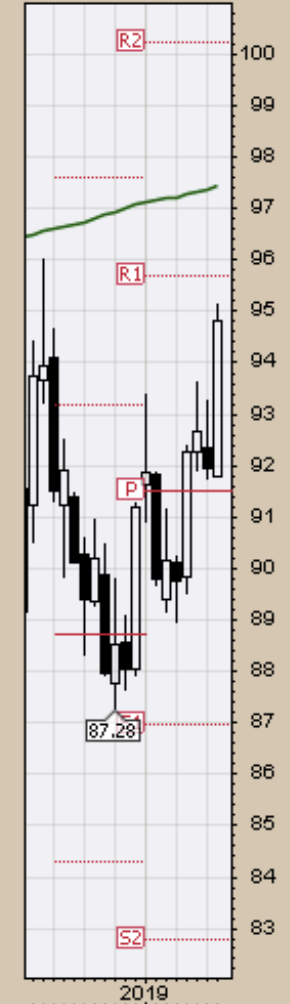
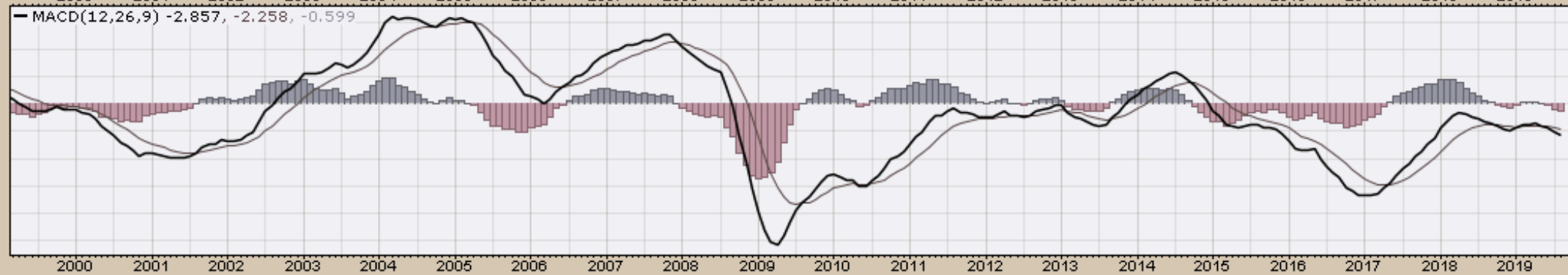
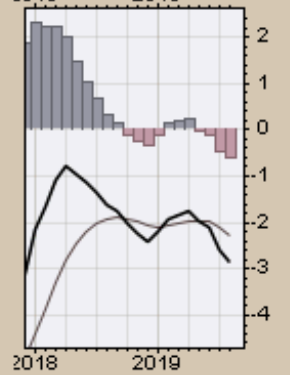
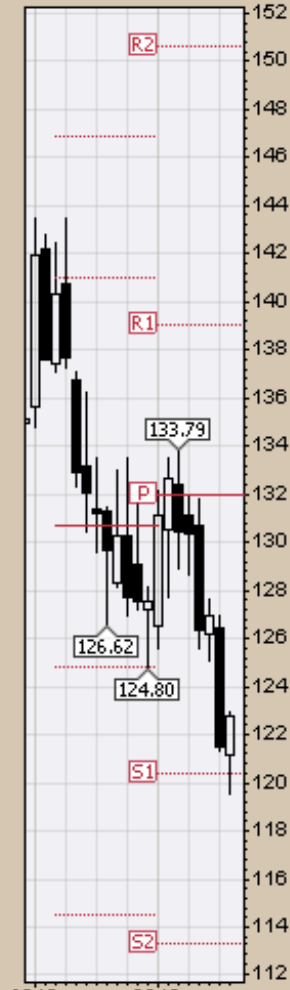




CHART A13. BRITISH POUND, MONTHLY CHART



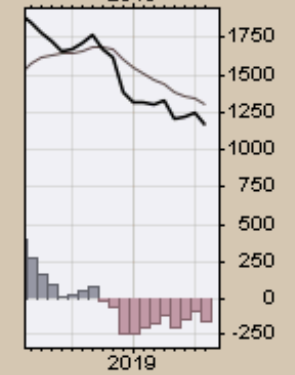
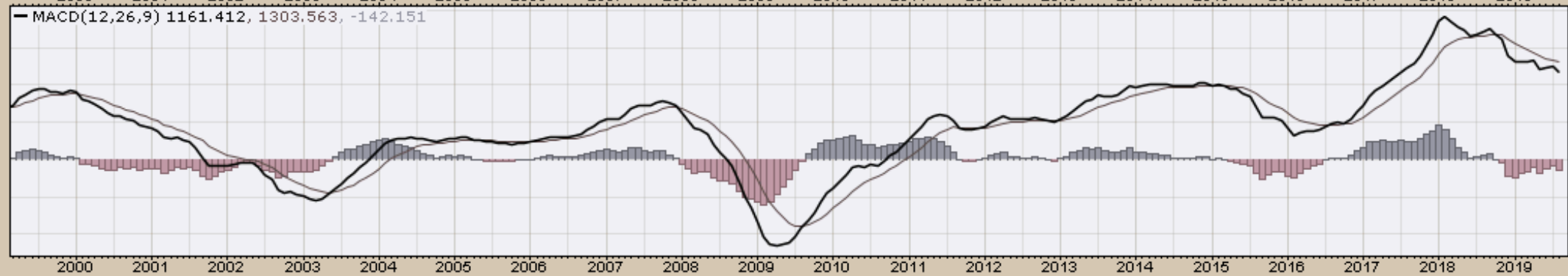
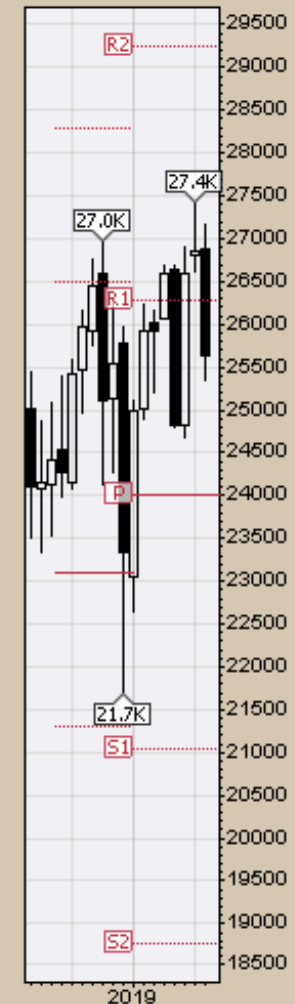
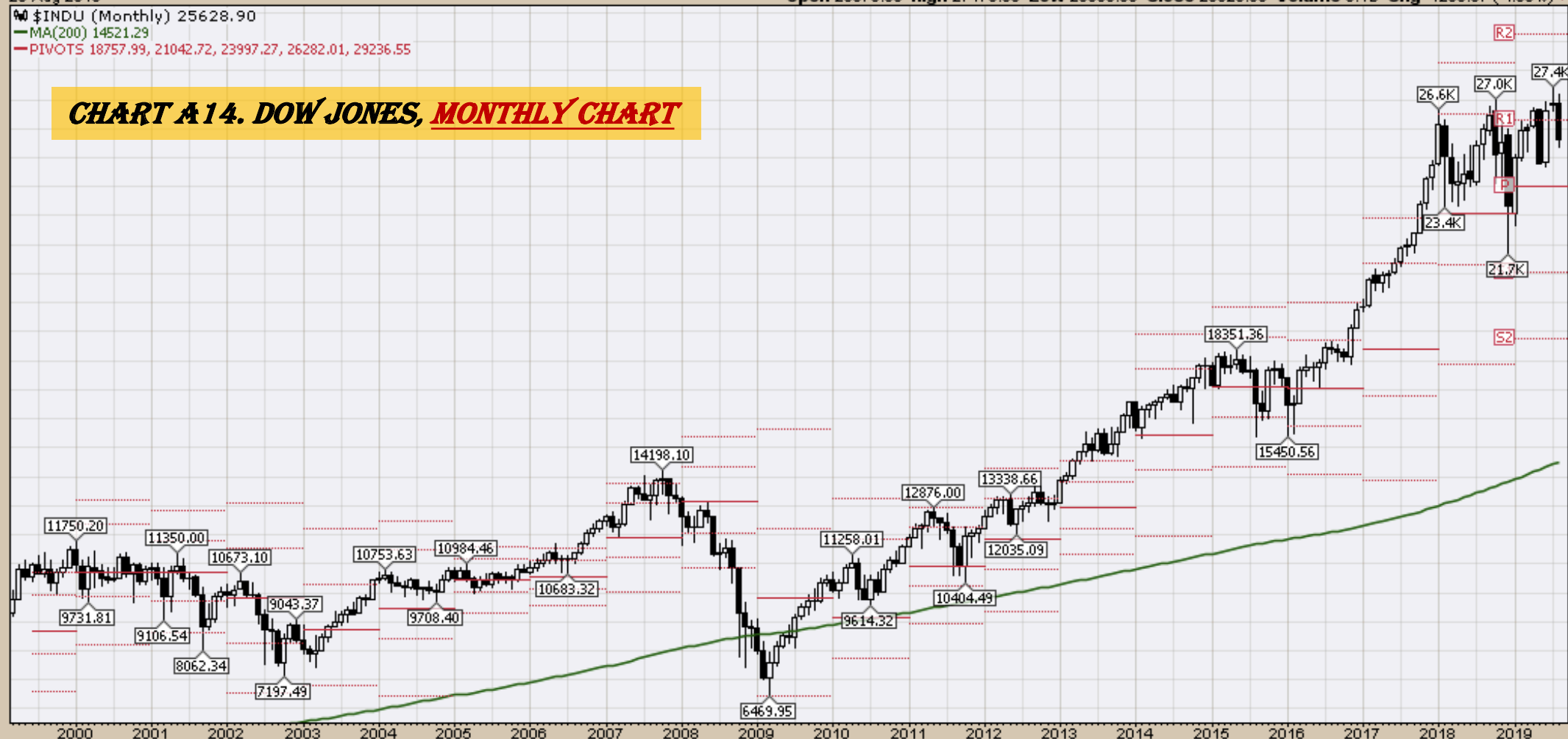
Select Equity and Transportation Charts
Monthly Charts

\$INDU (Monthly) 25628.90

MA(200) 14521.29

PIVOTS 18757.99, 21042.72, 23997.27, 26282.01, 29236.55

CHART A14. DOW JONES, MONTHLY CHART



\$TRAN (Monthly) 9739.74
MA(200) 5965.92
PIVOTS 6823.47, 7996.93, 9810.26, 10983.72, 12797.05

CHART A15. DOW TRANSPORTS, MONTHLY CHART

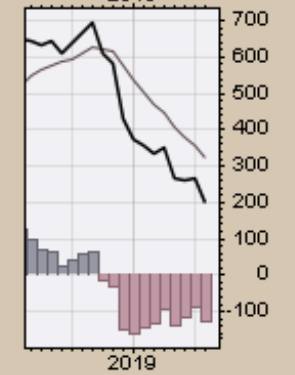
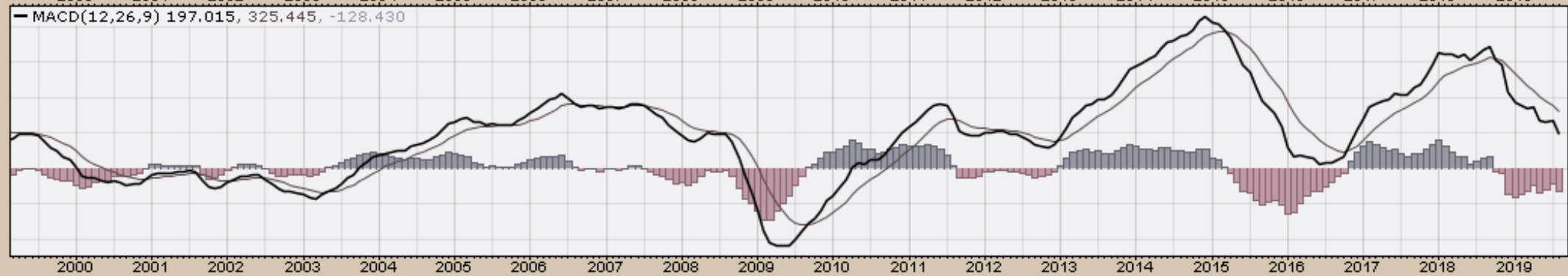
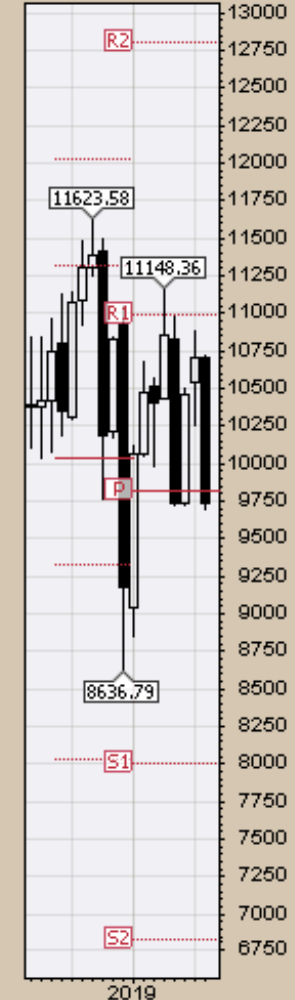
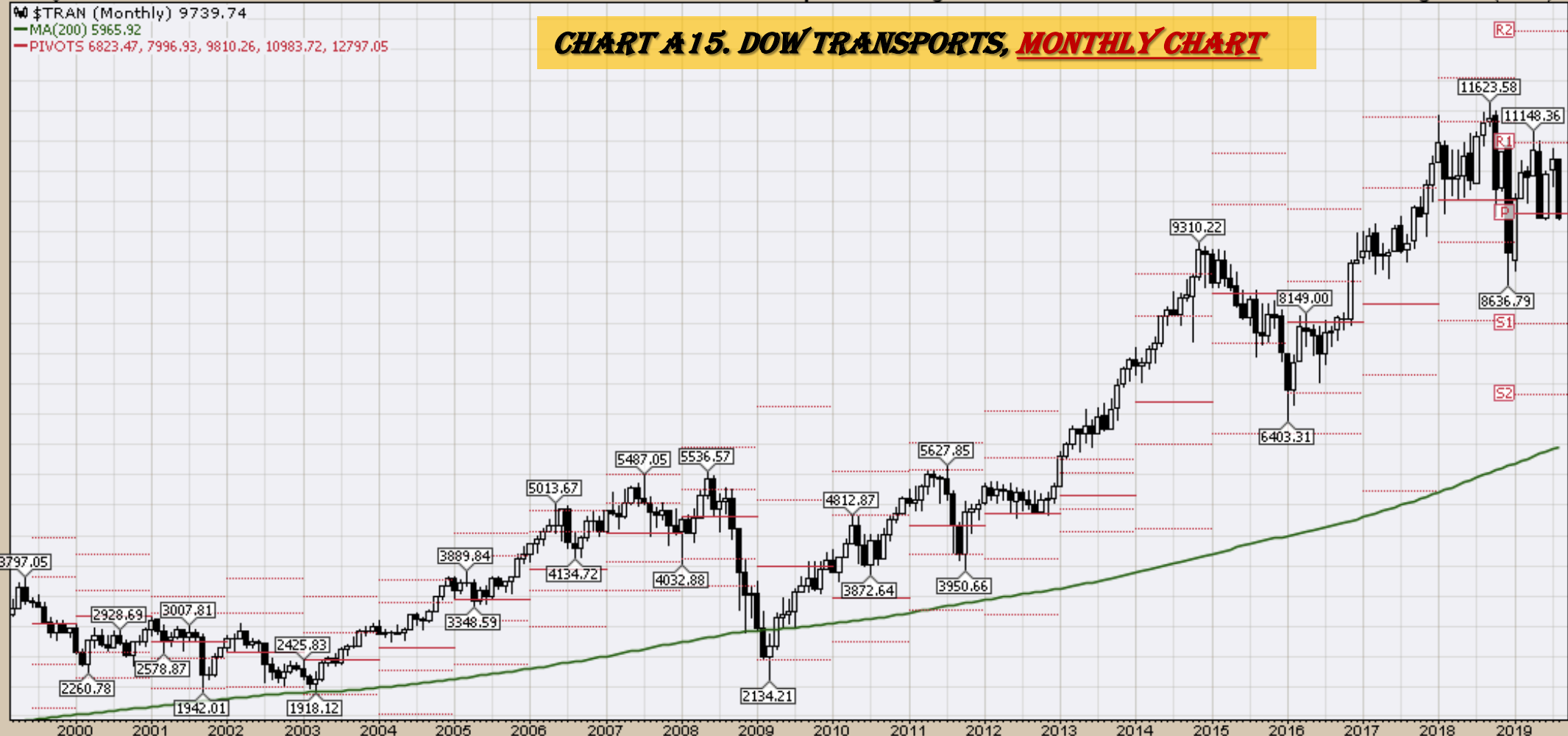
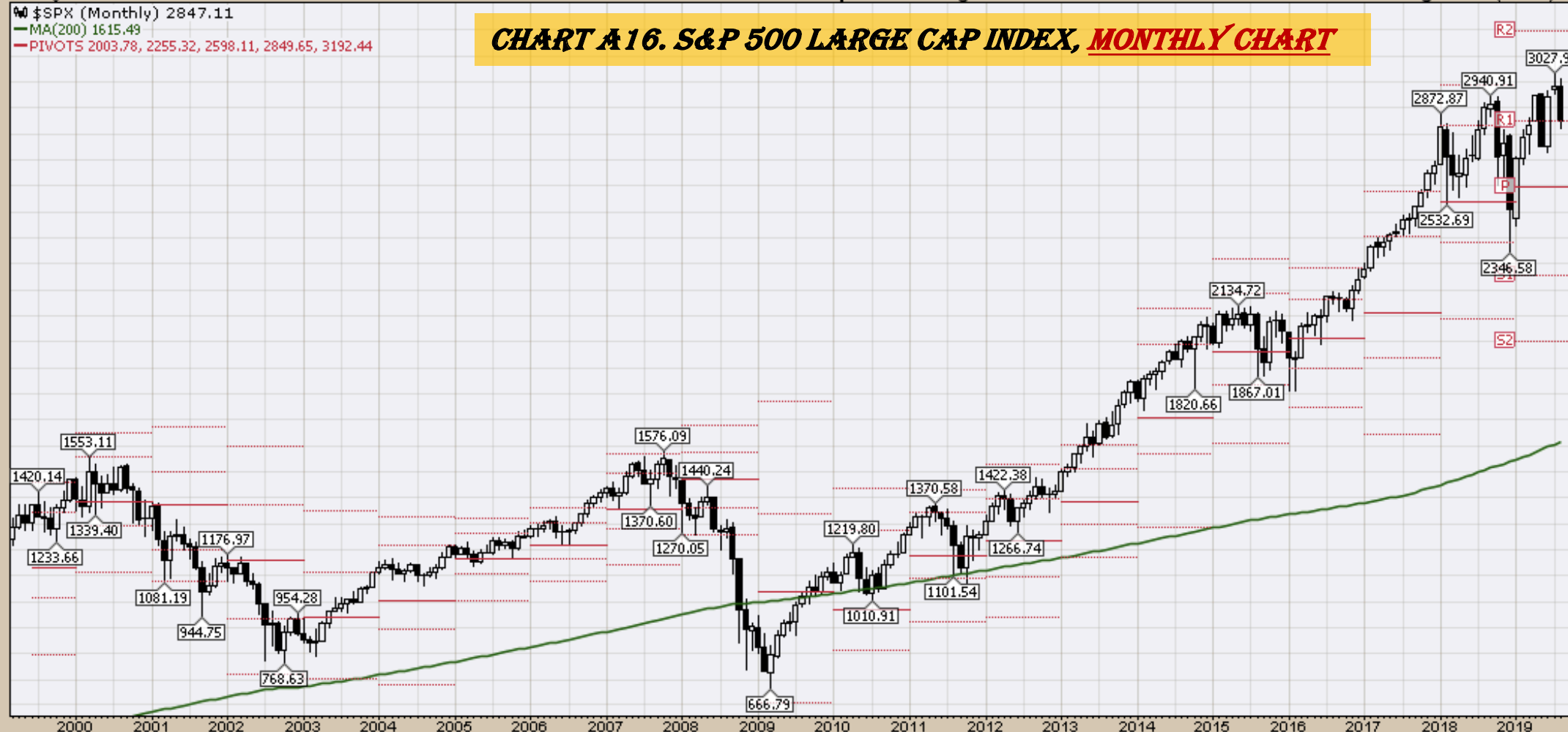


CHART A16. S&P 500 LARGE CAP INDEX, MONTHLY CHART

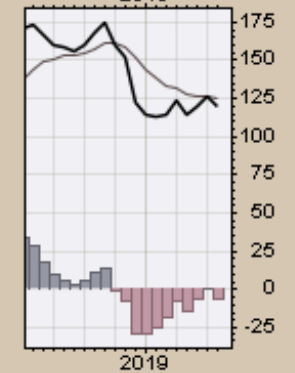
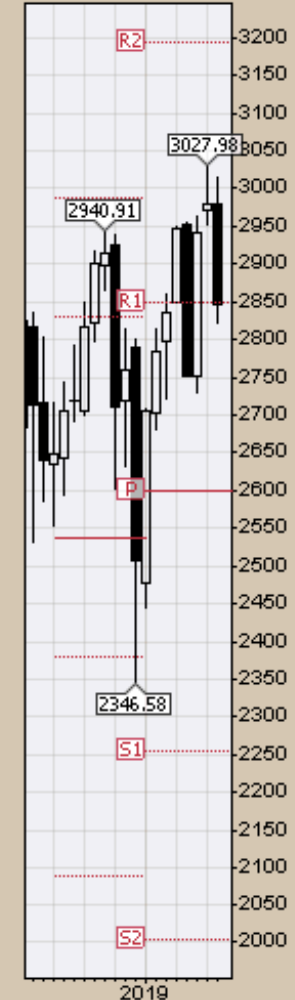
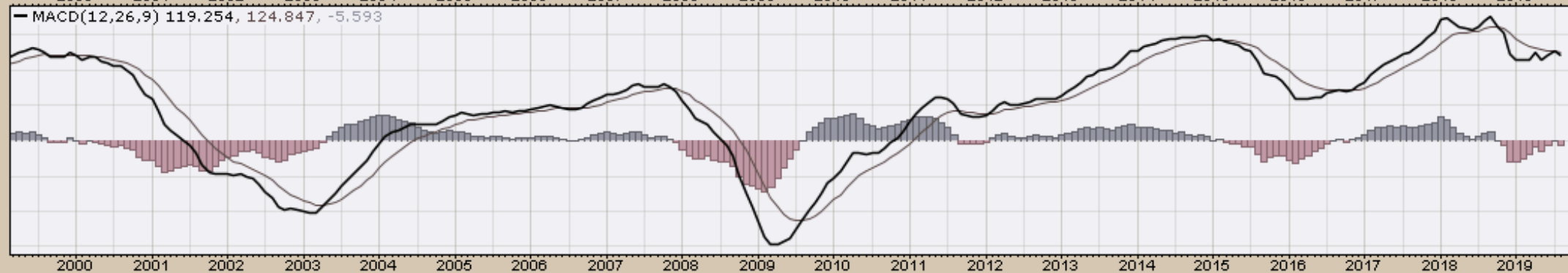
\$SPX (Monthly) 2847.11

MA(200) 1615.49

PIVOTS 2003.78, 2255.32, 2598.11, 2849.65, 3192.44

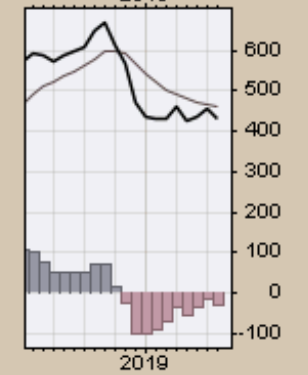
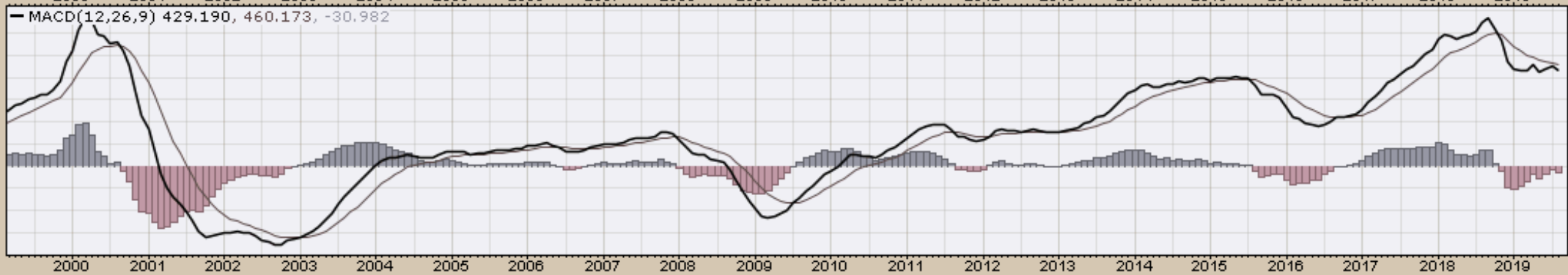
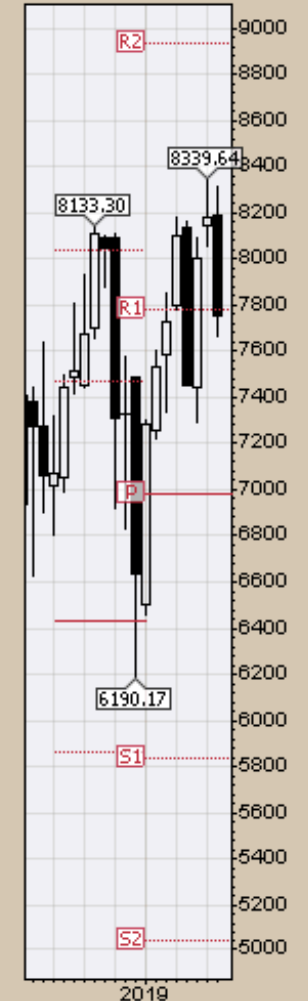


MACD(12,26,9) 119.254, 124.847, -5.593



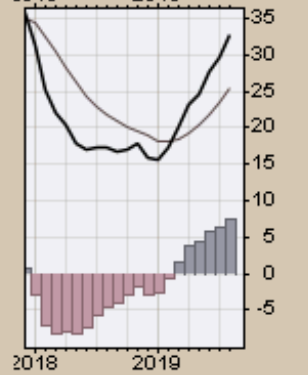
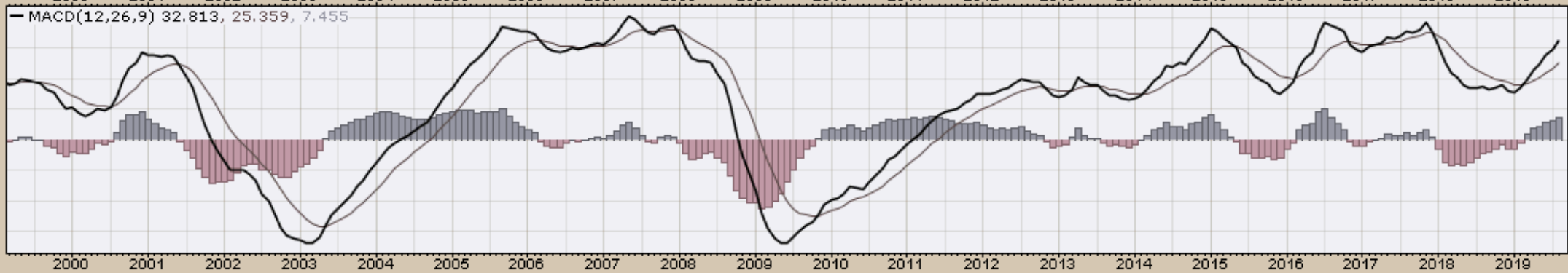
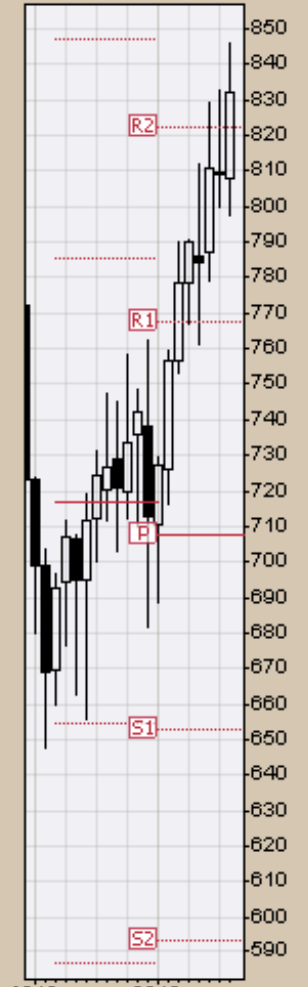
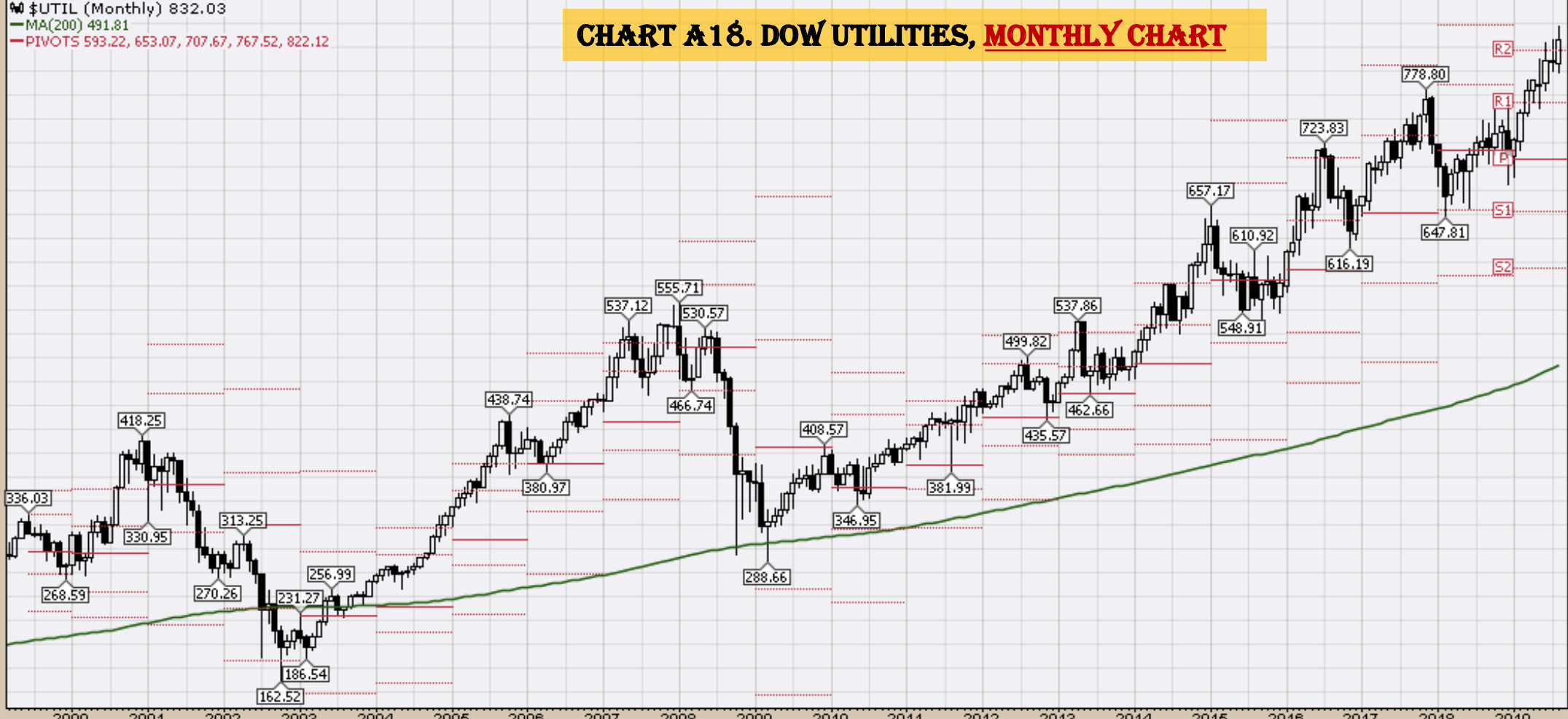
\$COMPQ (Monthly) 7751.77
MA(200) 3566.92
PIVOTS 5043.11, 5839.20, 6986.25, 7782.33, 8929.38

CHART A 17. NASDAQ COMPOSITE, MONTHLY CHART



\$UTIL (Monthly) 832.03
MA(200) 491.81
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) 61.96
— MA(200) 46.84
— PIVOTS 45.62, 51.58, 61.53, 67.49, 77.43

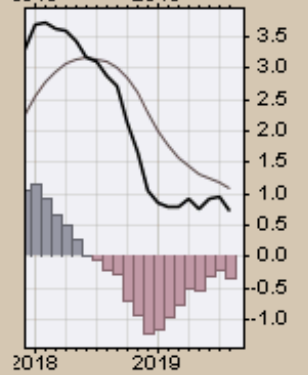
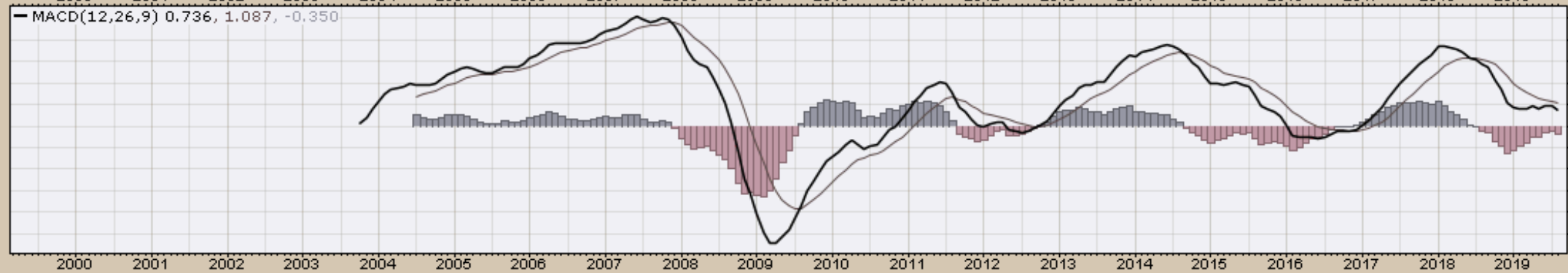
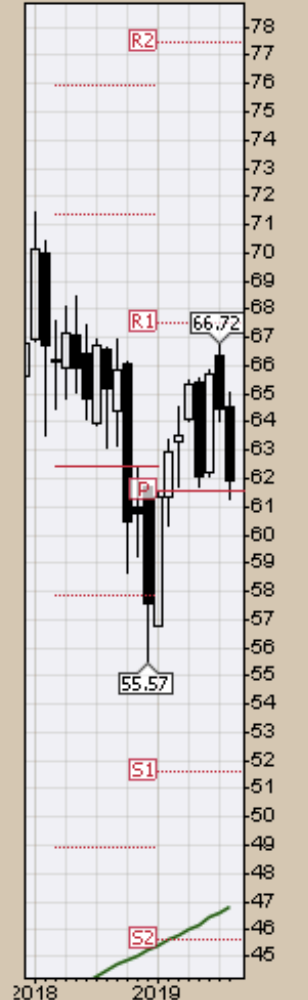
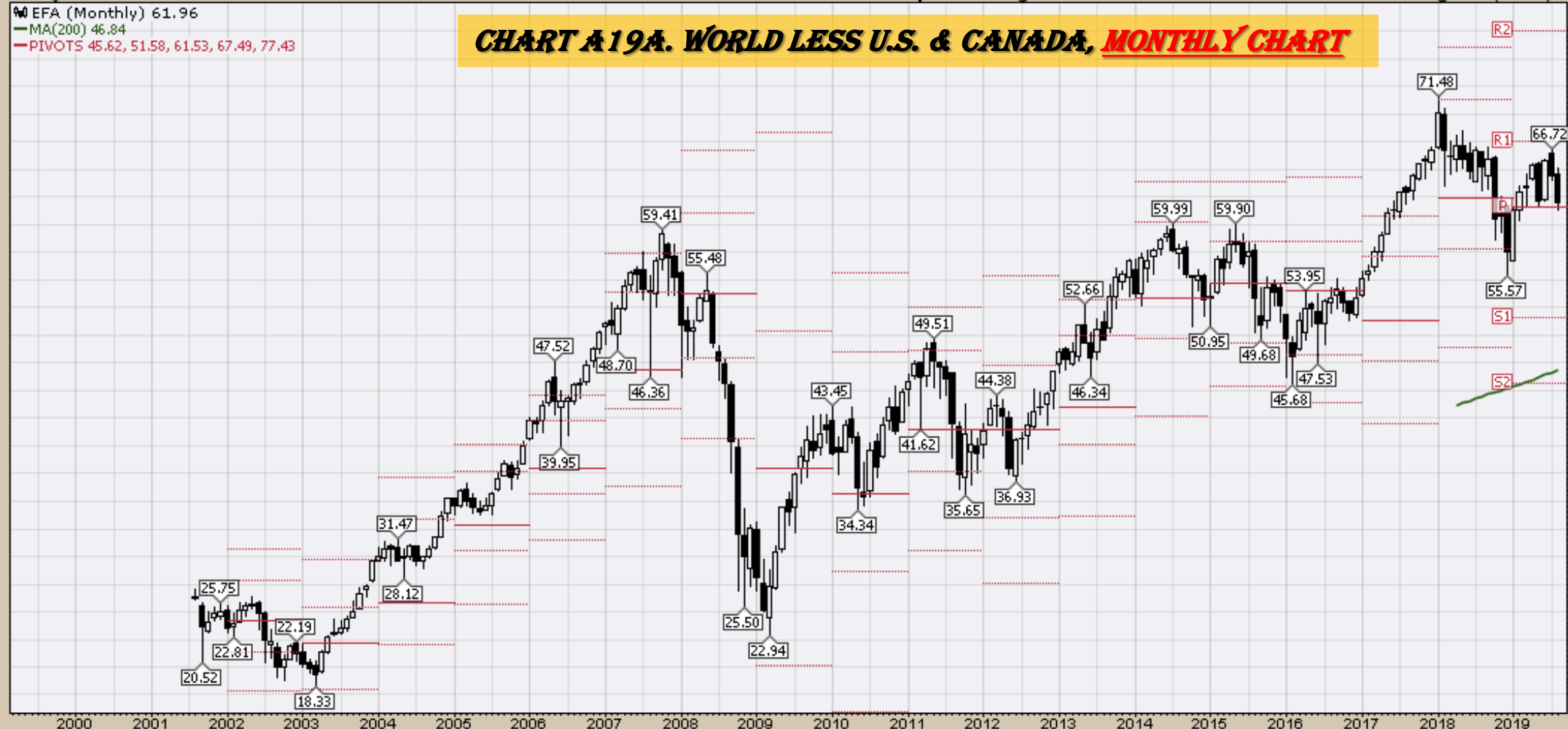
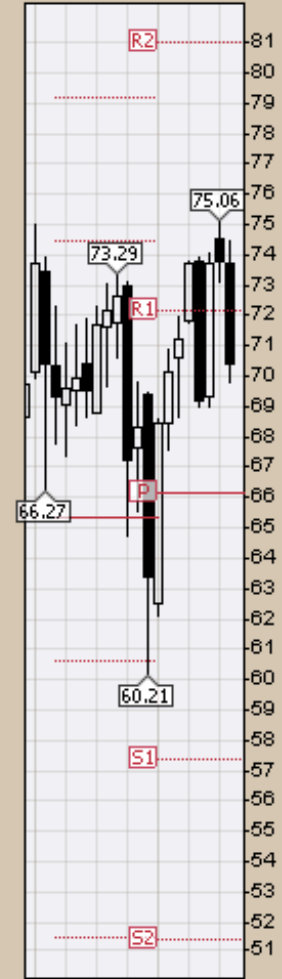
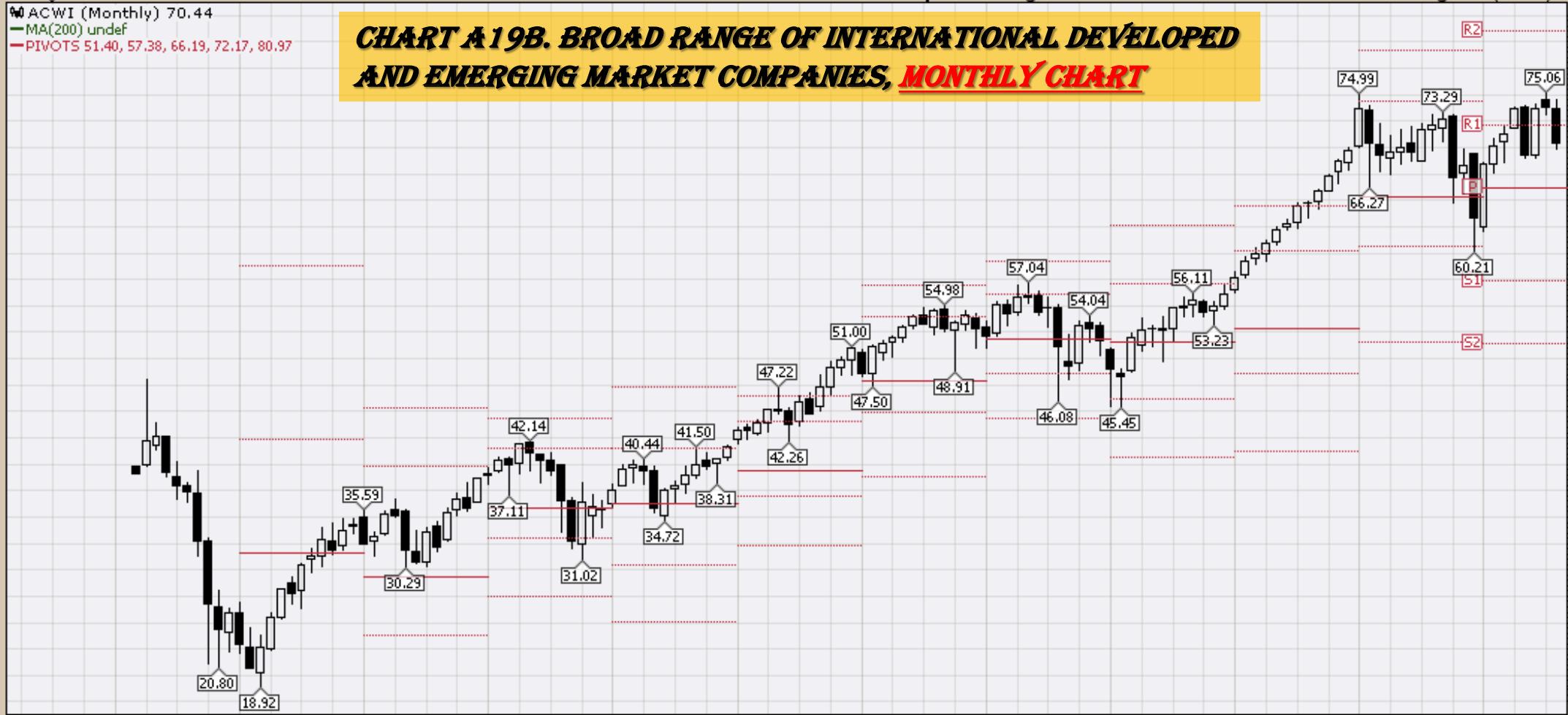
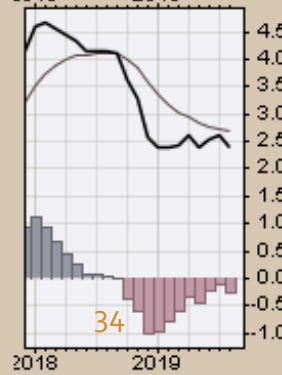
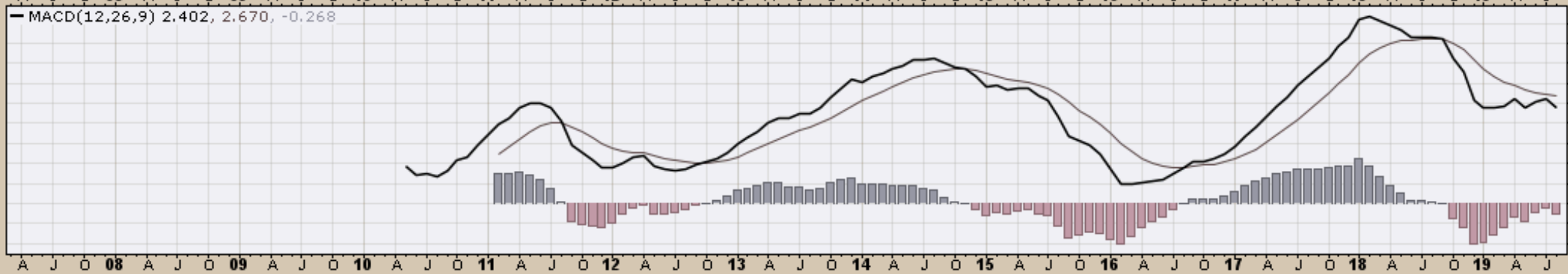


CHART A19B. BROAD RANGE OF INTERNATIONAL DEVELOPED AND EMERGING MARKET COMPANIES, MONTHLY CHART

ACWI (Monthly) 70.44
MA(200) undef
PIVOTS 51.40, 57.38, 66.19, 72.17, 80.97

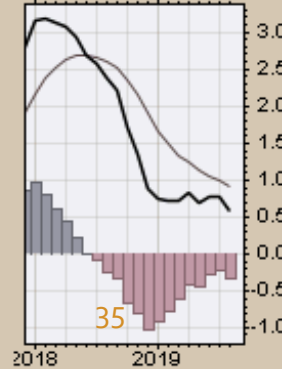
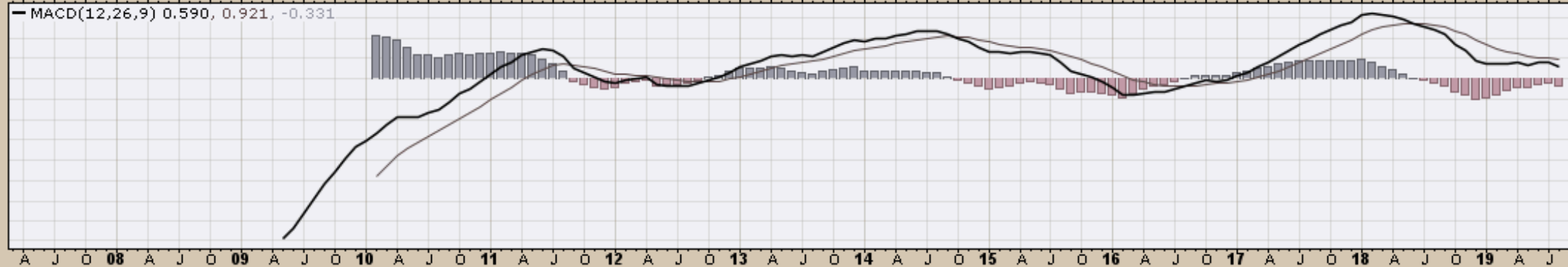
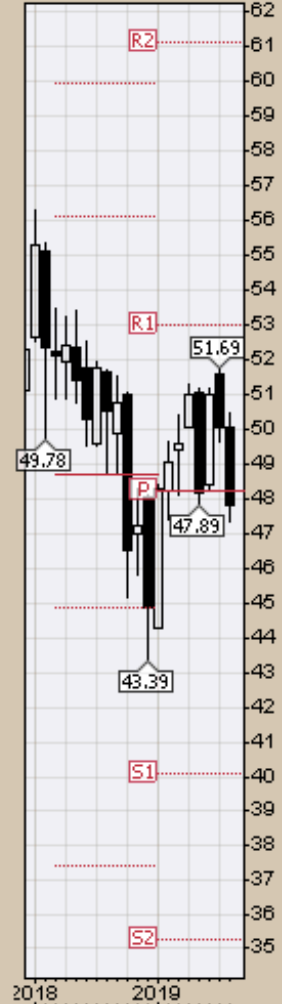
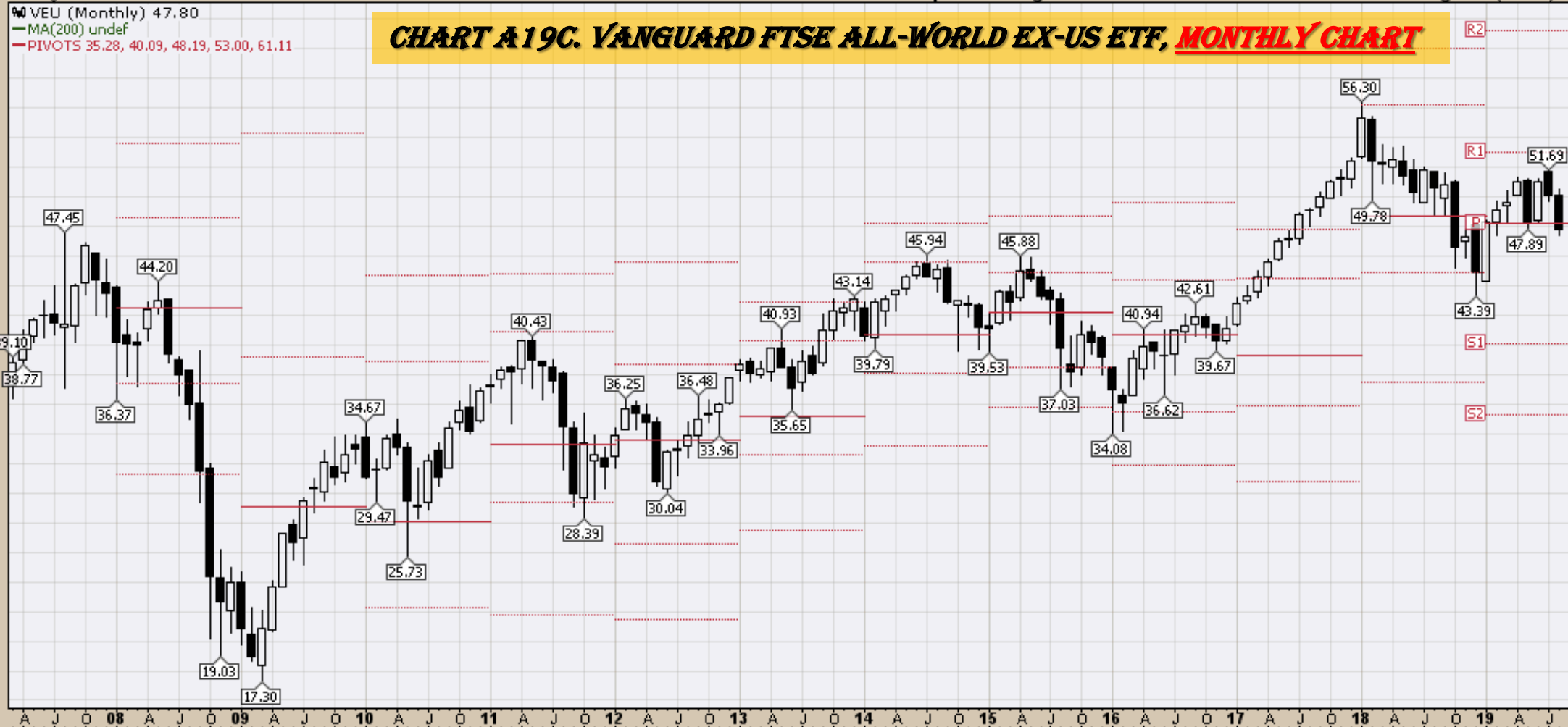


MACD(12,26,9) 2.402, 2.670, -0.268



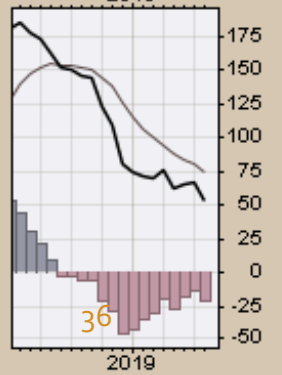
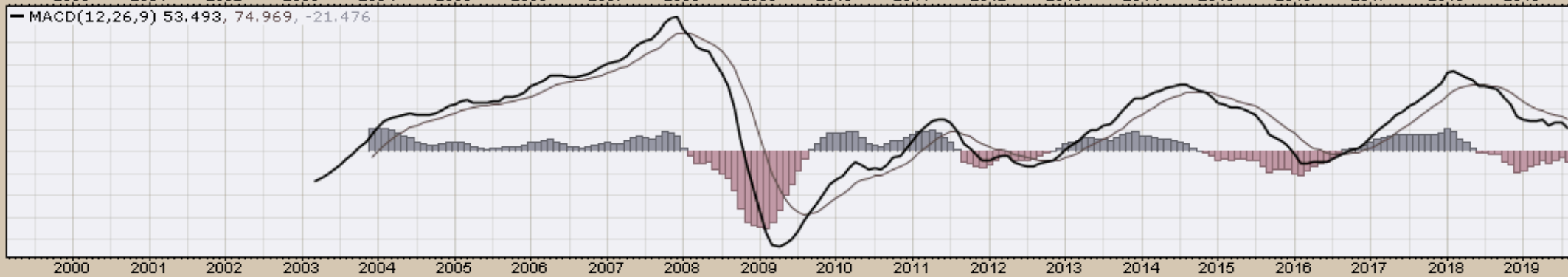
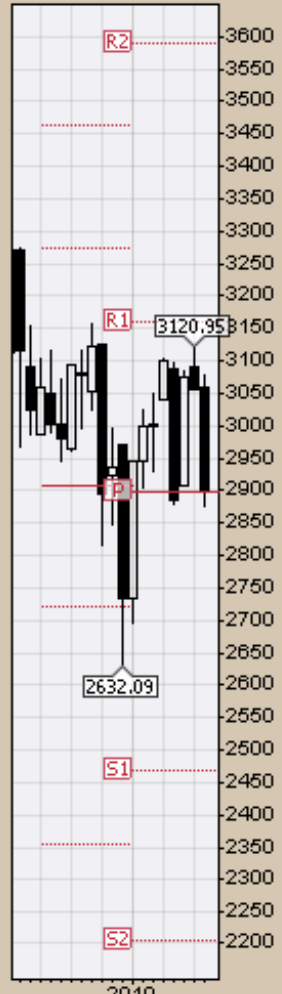
VEU (Monthly) 47.80
MA(200) undef
PIVOTS 35.28, 40.09, 48.19, 53.00, 61.11

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



\$GDOW (Monthly) 2896.78
MA(200) 2115.24
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

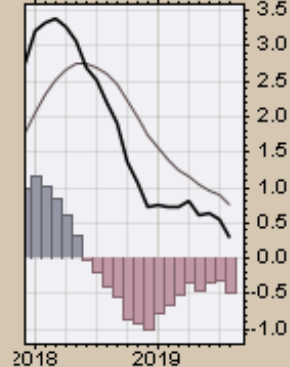
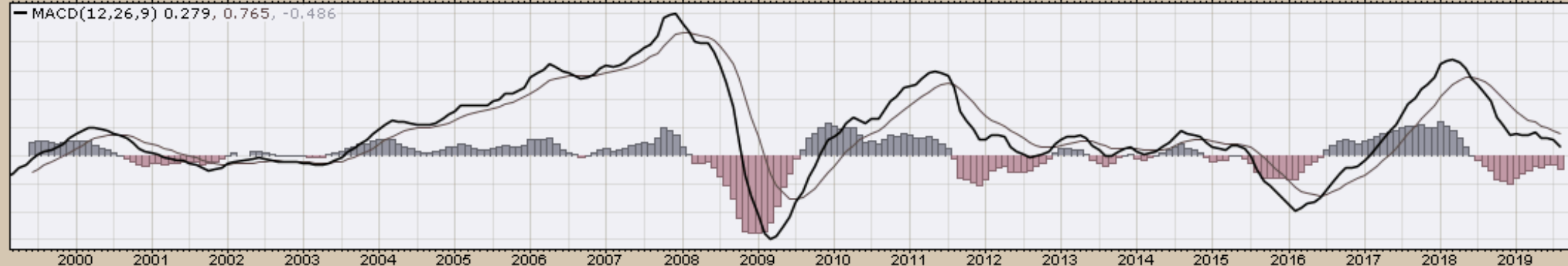
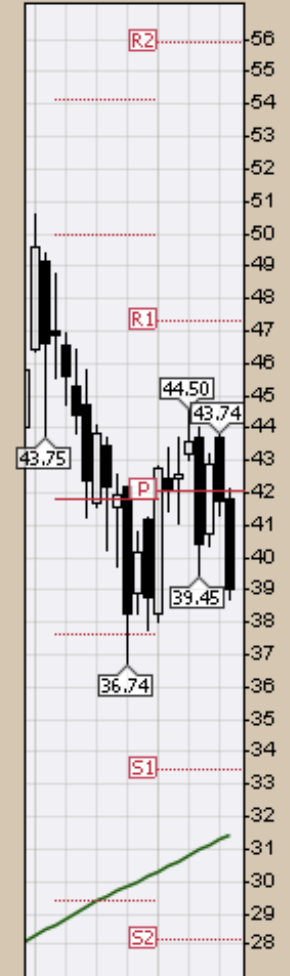


23-Aug-2019

Open 41.78 High 42.10 Low 38.72 Close 39.05 Volume 1.4B Chg -2.72 (-6.51%)

EEM (Monthly) 39.05
— MA(200) 31.46
— PIVOTS 28.18, 33.47, 42.03, 47.32, 55.88

CHART A20A. EMERGING MARKETS, MONTHLY CHART

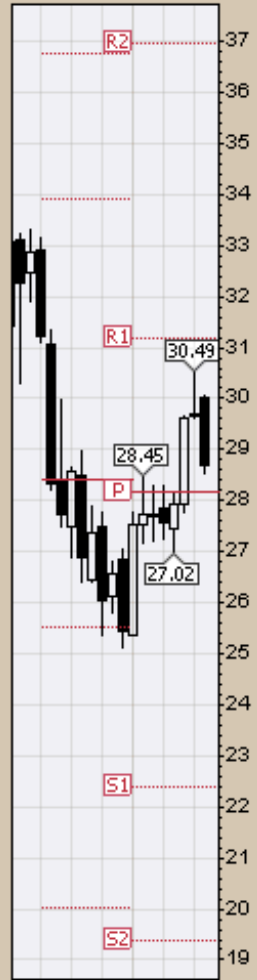


FM (Monthly) 28.70

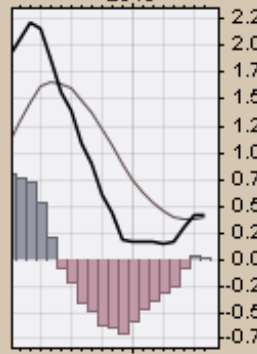
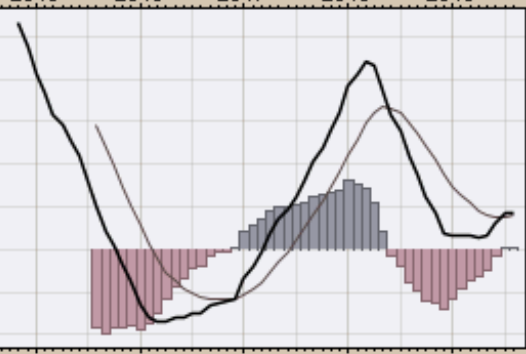
MA(200) undef

PIVOTS 19.37, 22.41, 28.15, 31.20, 36.94

CHART A20B. FRONTIER, MONTHLY CHART



MACD(12,26,9) 0.428, 0.398, 0.029



2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

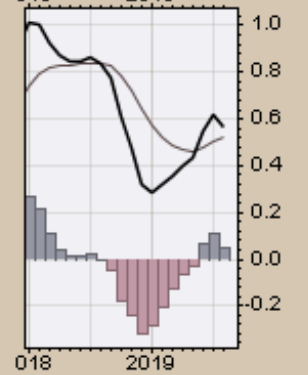
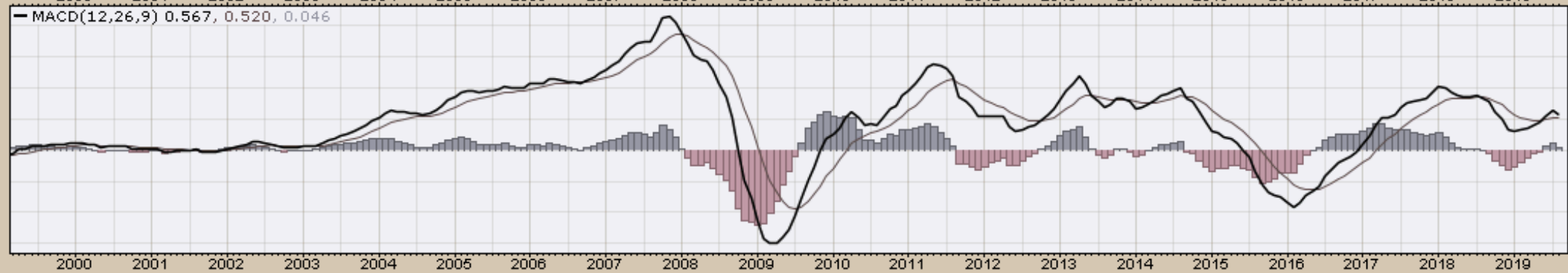
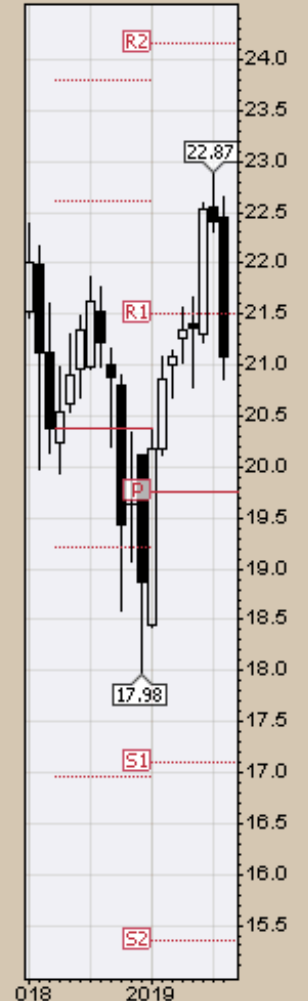
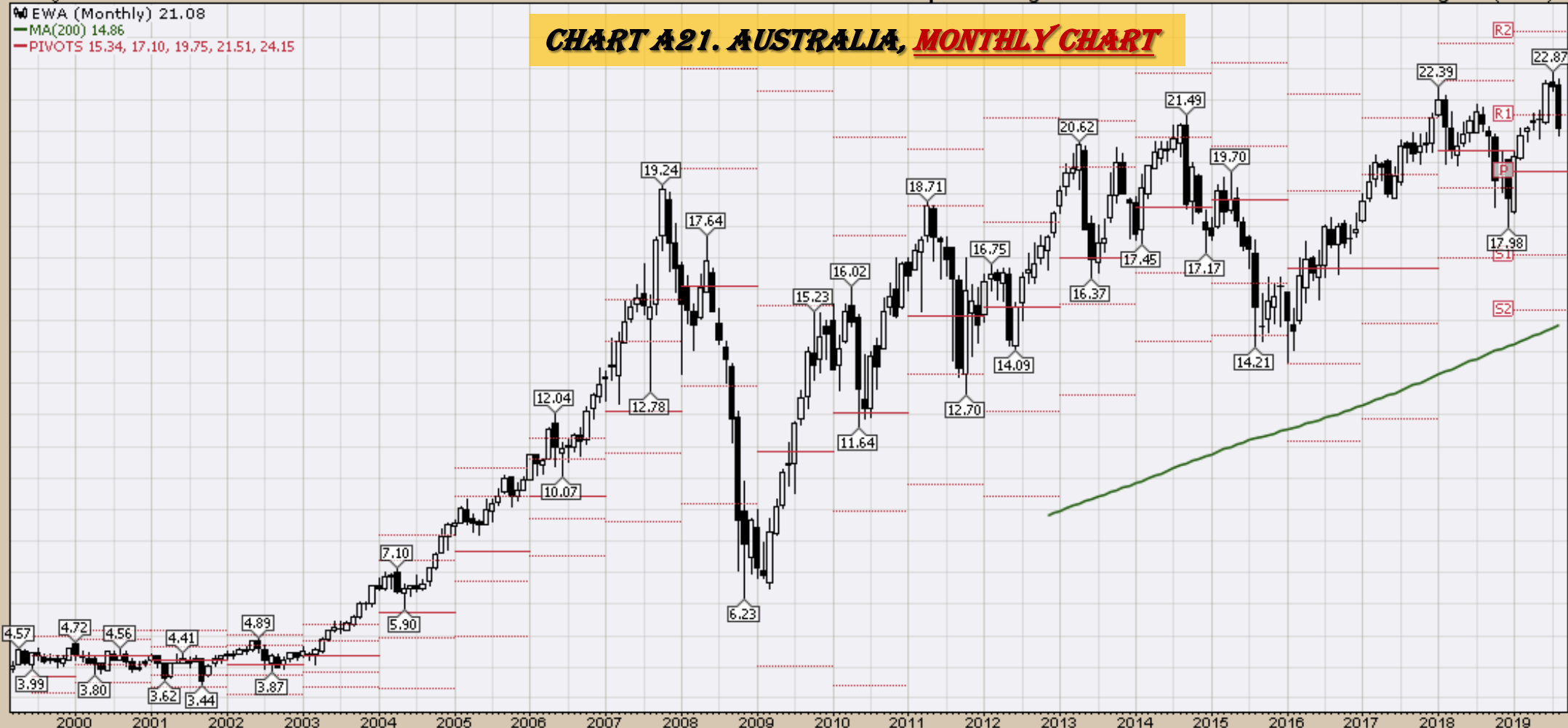
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

23-Aug-2019

Open 22.45 High 22.66 Low 20.86 Close 21.08 Volume 42.2M Chg -1.33 (-5.93%)

▲ EWA (Monthly) 21.08
— MA(200) 14.86
— PIVOTS 15.34, 17.10, 19.75, 21.51, 24.15

CHART A21. AUSTRALIA, MONTHLY CHART

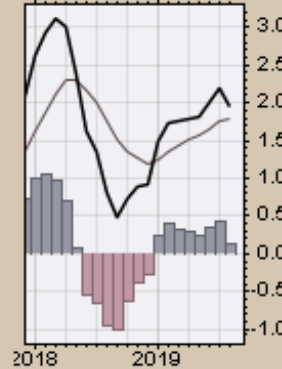
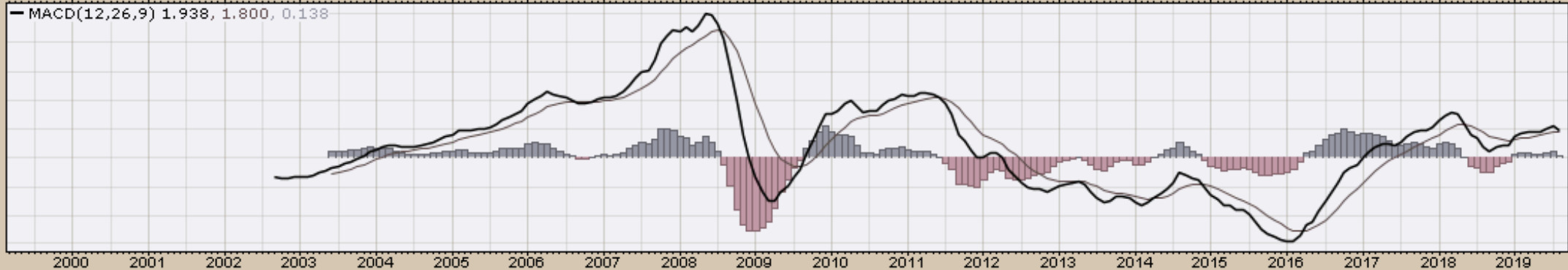
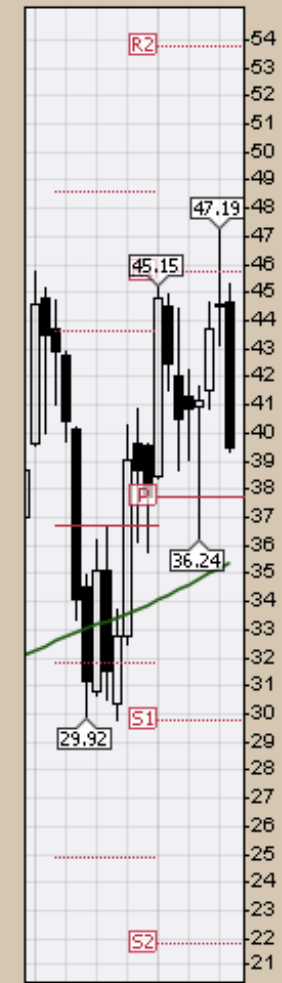


23-Aug-2019

Open 44.65 High 45.28 Low 39.31 Close 39.51 Volume 513.4M Chg -4.99 (-11.21%)

EWZ (Monthly) 39.51
MA(200) 35.38
PIVOTS 21.80, 29.76, 37.77, 45.73, 53.73

CHART A22. BRAZIL, MONTHLY CHART

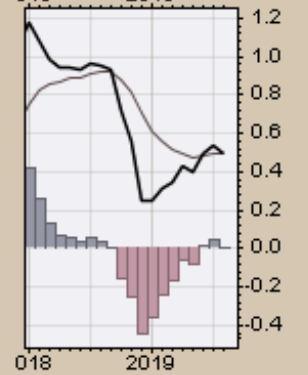
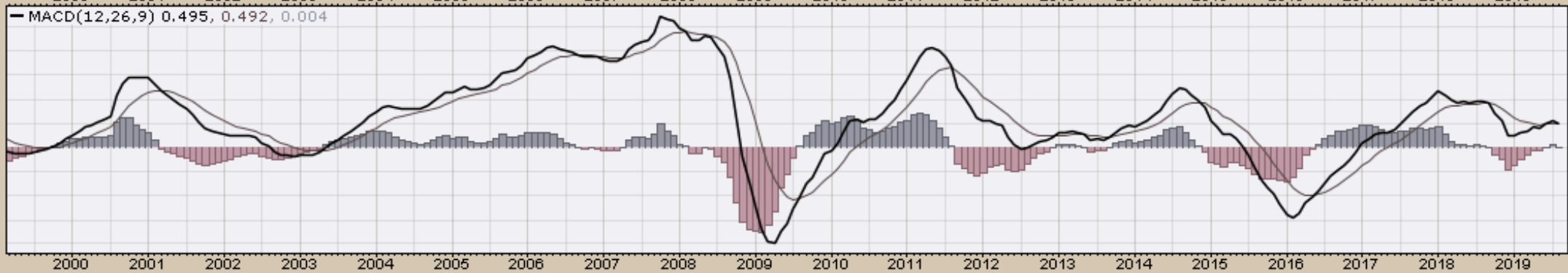
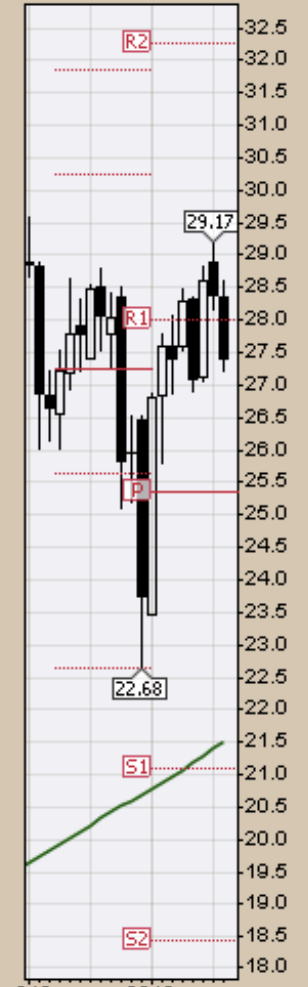


23-Aug-2019

Open 28.35 High 28.59 Low 27.22 Close 27.42 Volume 46.6M Chg -0.97 (-3.42%)

▲ EWC (Monthly) 27.42
— MA(200) 21.50
— PIVOTS 18.43, 21.09, 25.34, 28.00, 32.25

CHART A23. CANADA, MONTHLY CHART

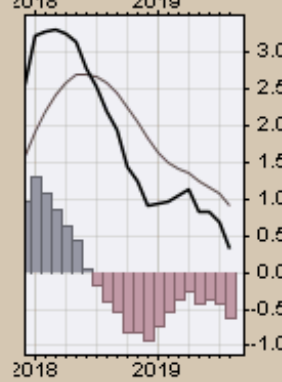
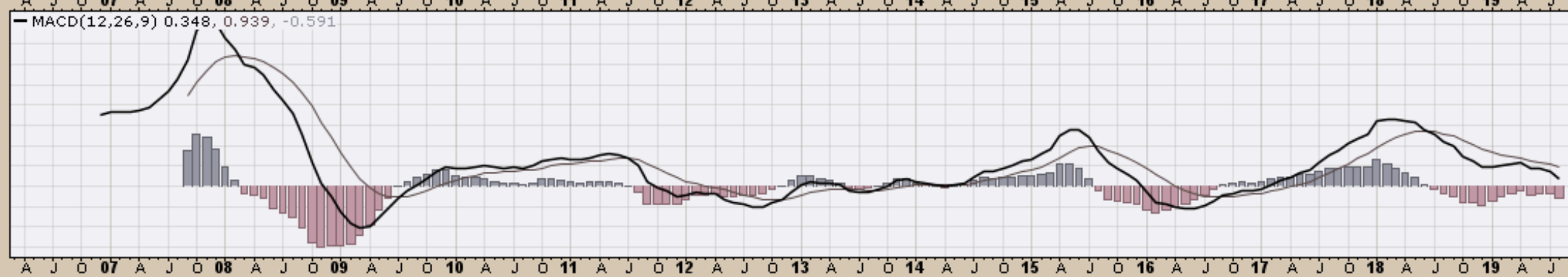
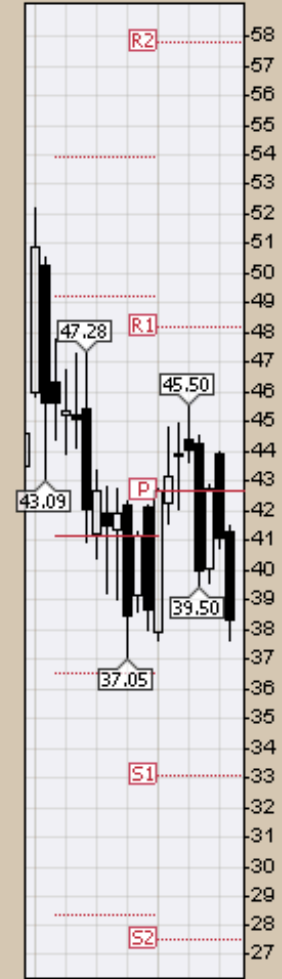


23-Aug-2019

Open 41.26 High 41.51 Low 37.66 Close 38.34 Volume 586.8M Chg -2.76 (-6.72%)

CHART A24. CHINA, MONTHLY CHART

FXI (Monthly) 38.34
MA(200) undef
PIVOTS 27.51, 33.10, 42.64, 48.23, 57.76

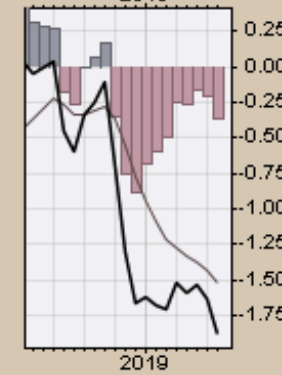
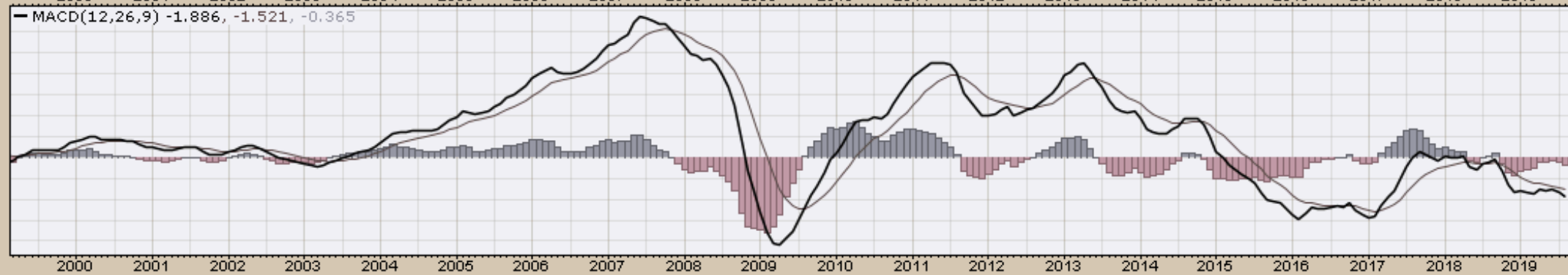
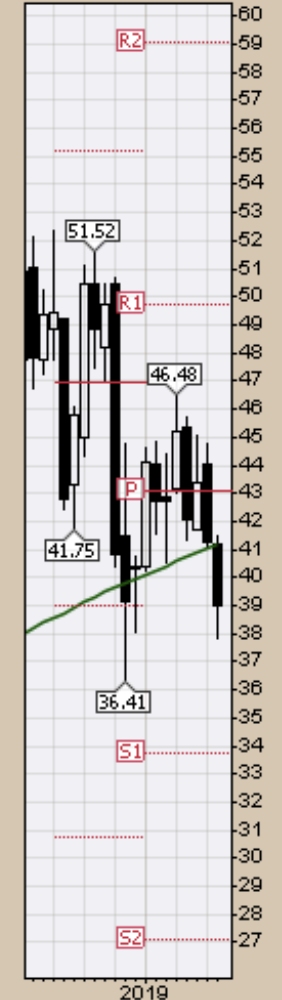


23-Aug-2019

Open 41.20 High 41.51 Low 37.86 Close 38.97 Volume 62.1M Chg -2.30 (-5.57%)

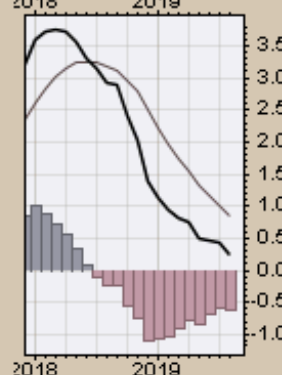
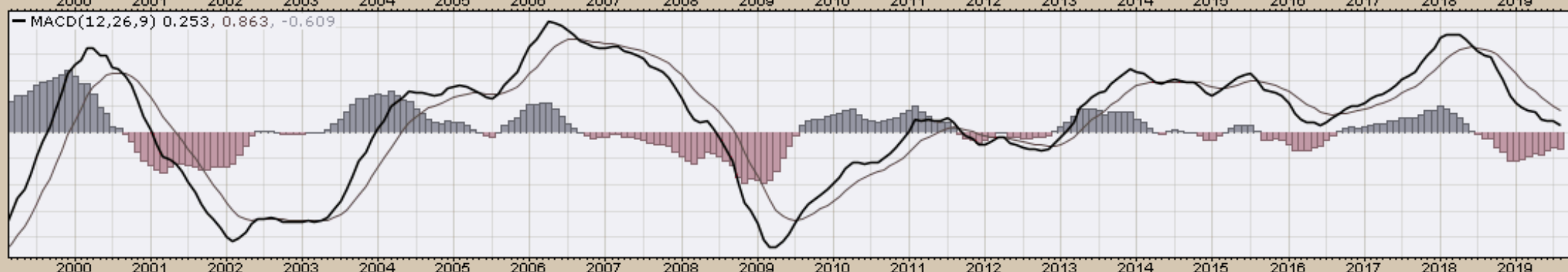
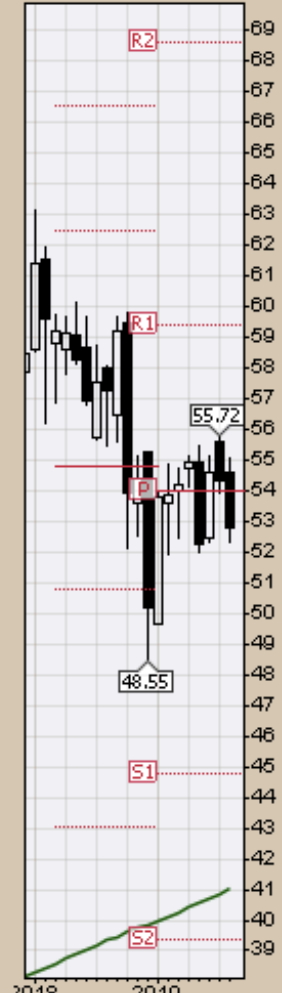
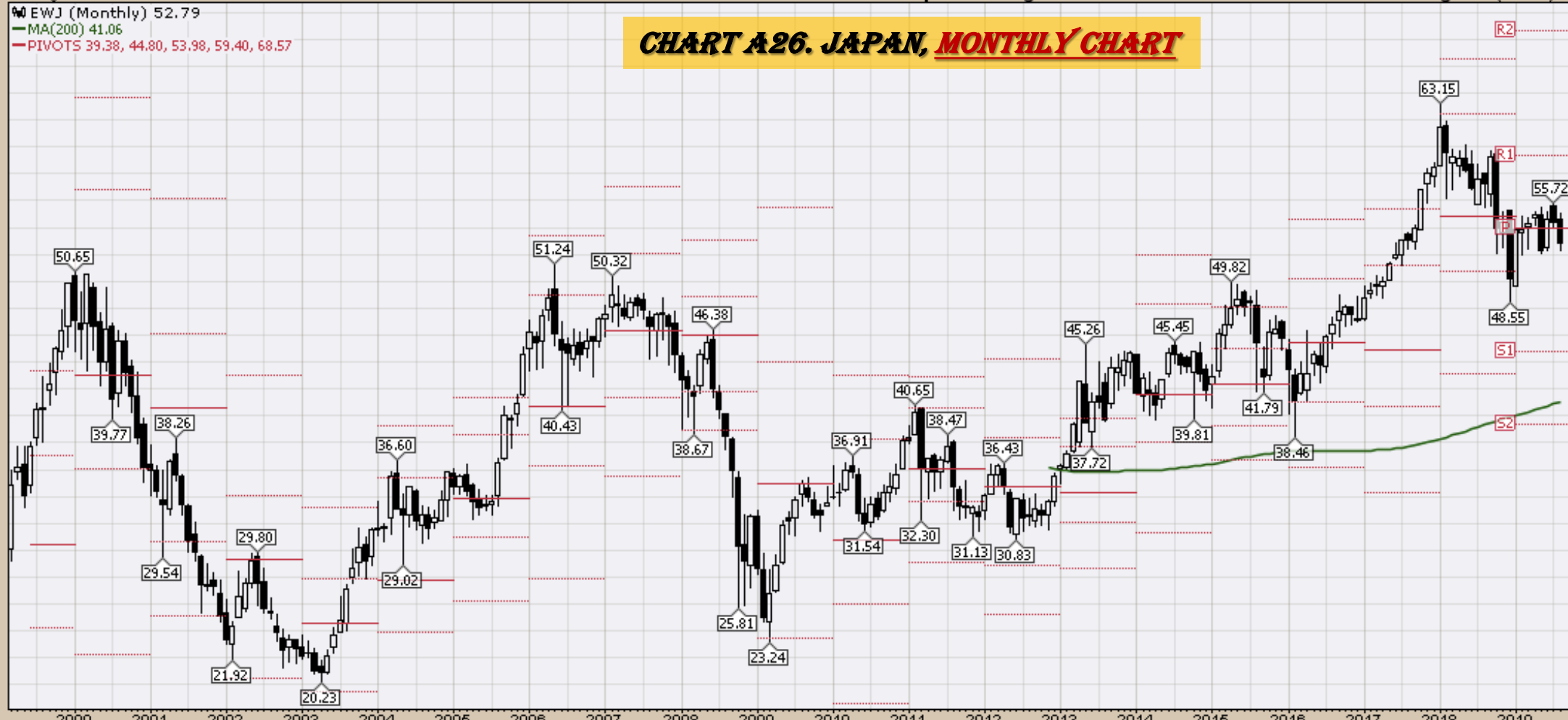
EW (Monthly) 38.97
MA(200) 41.23
PIVOTS 27.08, 33.72, 43.05, 49.70, 59.03

CHART A25. MEXICO, MONTHLY CHART



EWJ (Monthly) 52.79
MA(200) 41.06
PIVOTS 39.38, 44.80, 53.98, 59.40, 68.57

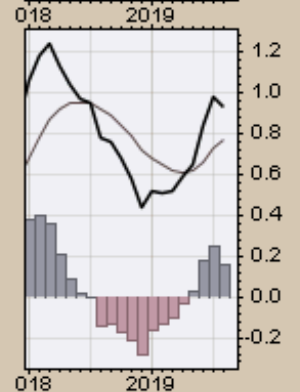
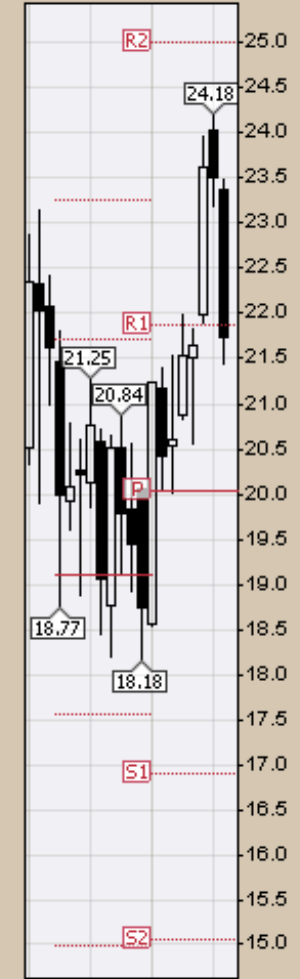
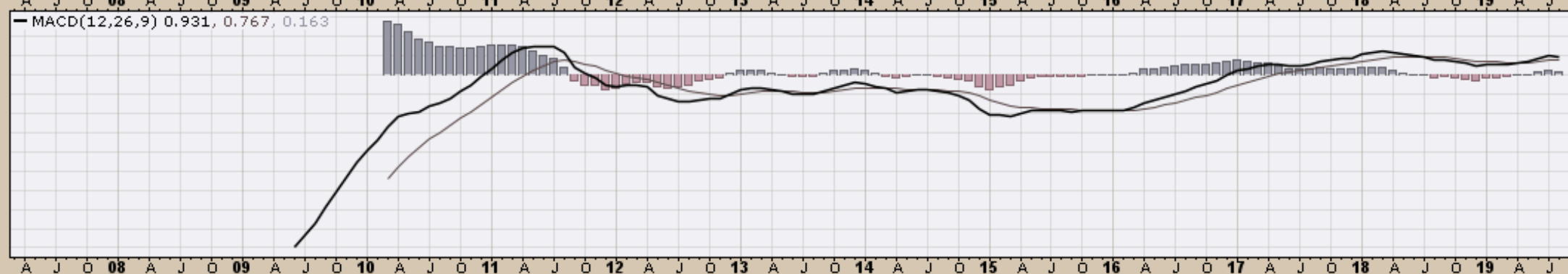
CHART A26. JAPAN, MONTHLY CHART



23-Aug-2019

RSX (Monthly) 21.74
MA(200) undef
PIVOTS 15.06, 16.90, 20.03, 21.87, 24.99

CHART A27. RUSSIA, MONTHLY CHART

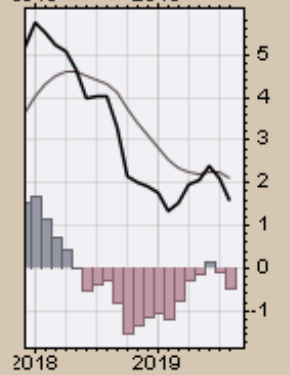
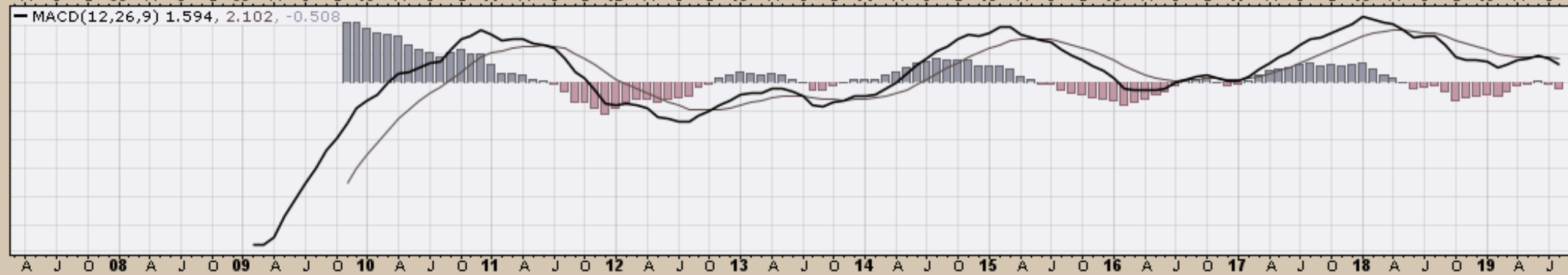
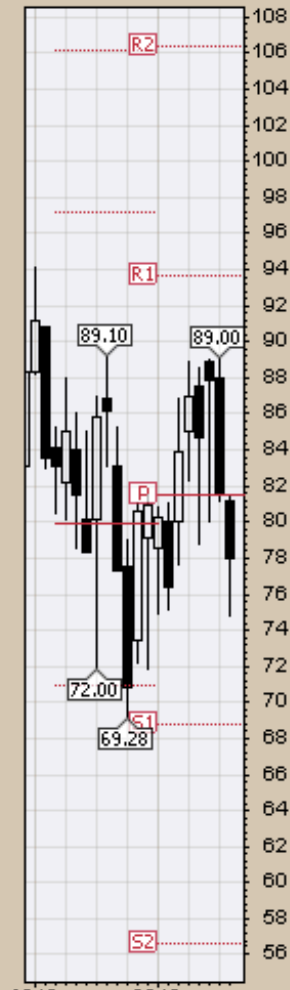


23-Aug-2019

Open 81.14 High 81.46 Low 74.86 Close 78.04 Volume 21.2K Chg -3.61 (-4.42%)

INPTF (Monthly) 78.04
MA(200) undef
PIVOTS 56.57, 68.75, 81.45, 93.63, 106.33

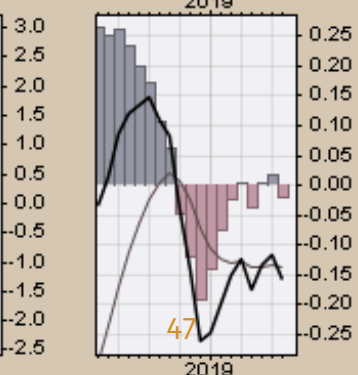
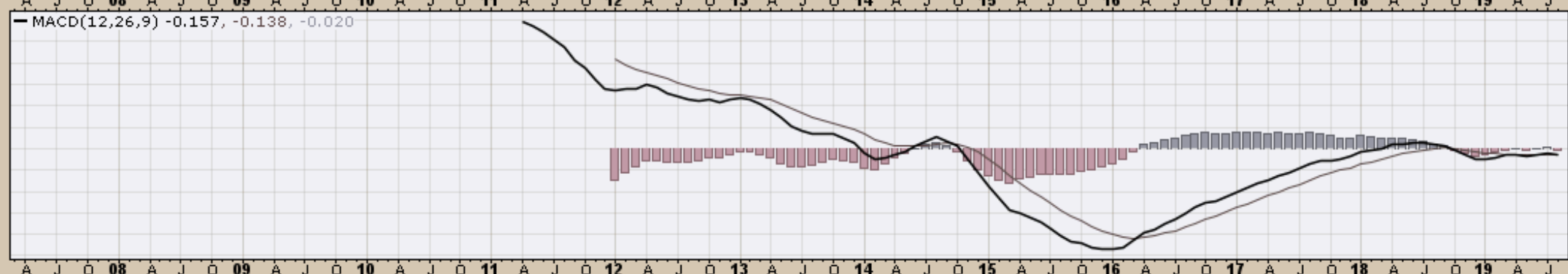
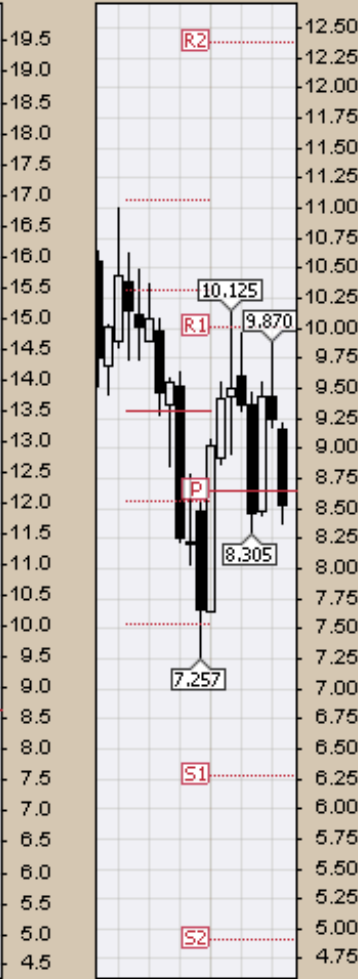
CHART A28. INDIA, MONTHLY CHART



23-Aug-2019

Open 9.15 High 9.20 Low 8.38 Close 8.52 Volume 959.5K Chg -0.72 (-7.79%)

▲ GXG (Monthly) 8.52
— MA(200) undef
— PIVOTS 4.90, 6.28, 8.64, 10.02, 12.37



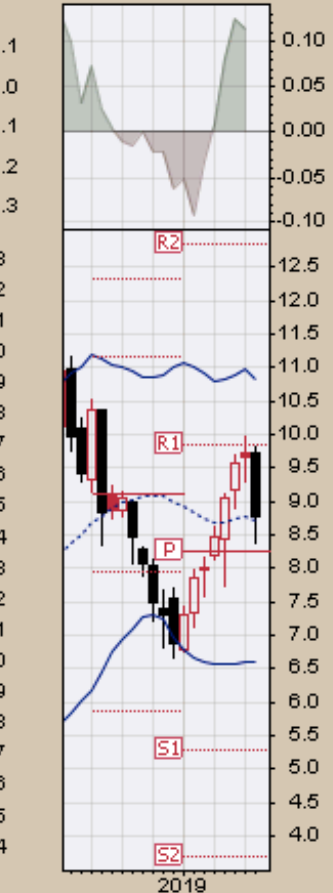
23-Aug-2019

Open 9.72 High 9.81 Low 8.37 Close 8.78 Volume 13.5M Chg -0.88 (-9.11%)

▲ CMF(20) 0.115 (31 Jul)

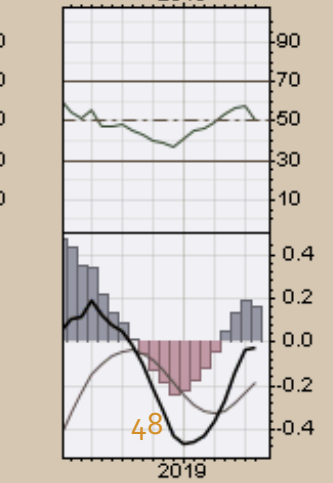
▲ GREK (Monthly) 8.78
— BB(20,2,0) 6.60 - 8.72 - 10.84
— PIVOTS 3.68, 5.27, 8.25, 9.85, 12.83

CHART A30. GREECE MONTHLY CHART



▲ RSI(14) 50.49

— MACD(12,26,9) -0.022, -0.188, 0.165



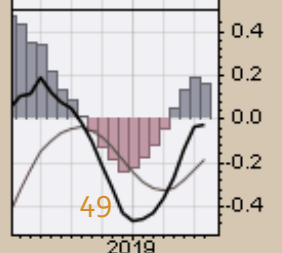
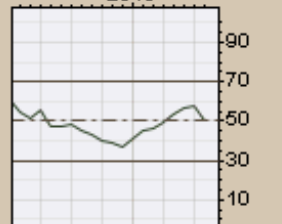
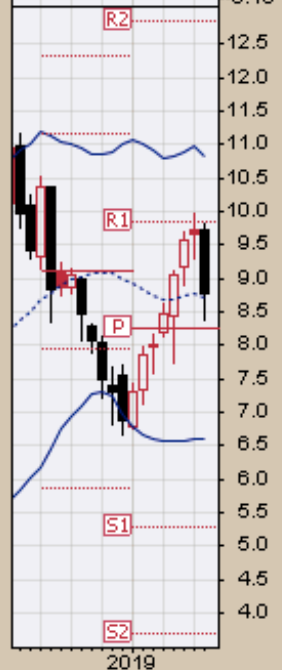
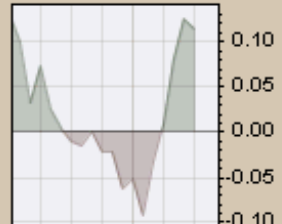
23-Aug-2019

Open 9.72 High 9.81 Low 8.37 Close 8.78 Volume 13.5M Chg -0.88 (-9.11%)

▲ CMF(20) 0.115 (31 Jul)

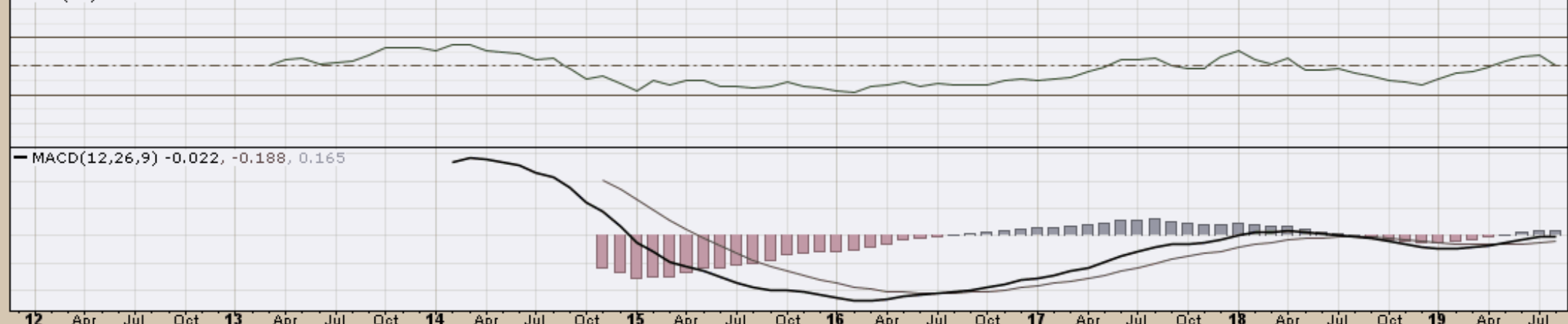
▲ GREK (Monthly) 8.78
— BB(20,2,0) 6.60 - 8.72 - 10.84
— PIVOTS 3.68, 5.27, 8.25, 9.85, 12.83

CHART A30. GREECE MONTHLY CHART



▲ RSI(14) 50.49

— MACD(12,26,9) -0.022, -0.188, 0.165



12 Apr Jul Oct 13 Apr Jul Oct 14 Apr Jul Oct 15 Apr Jul Oct 16 Apr Jul Oct 17 Apr Jul Oct 18 Apr Jul Oct 19 Apr Jul

49

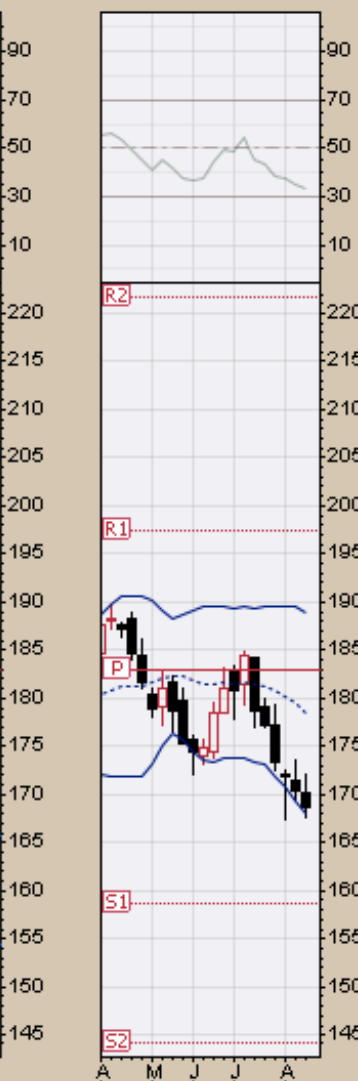
CRB Commodity Index
Weekly, Daily, Monthly and Quarterly Charts

23-Aug-2019

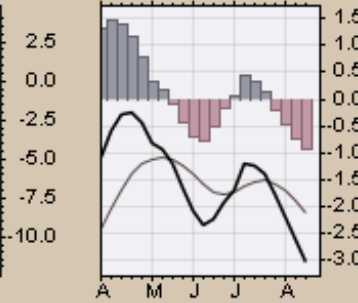
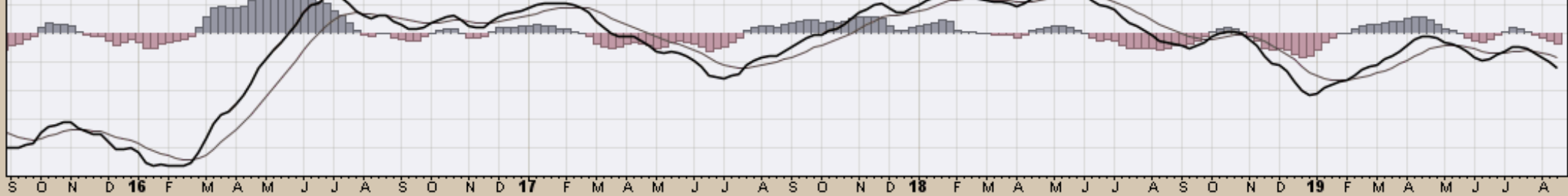
RSI(14) 33.61

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

\$CRB (Weekly) 168.61
BB(20,2,0) 168.05 - 178.50 - 188.95
PIVOTS 144.10, 158.73, 182.84, 197.47, 221.58
Volume undef



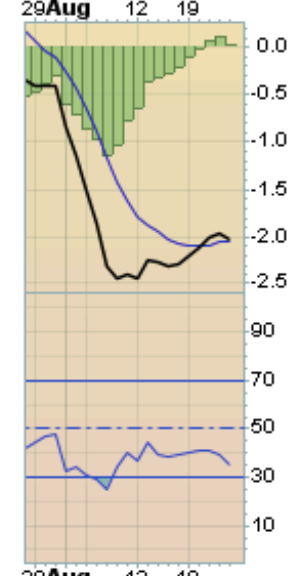
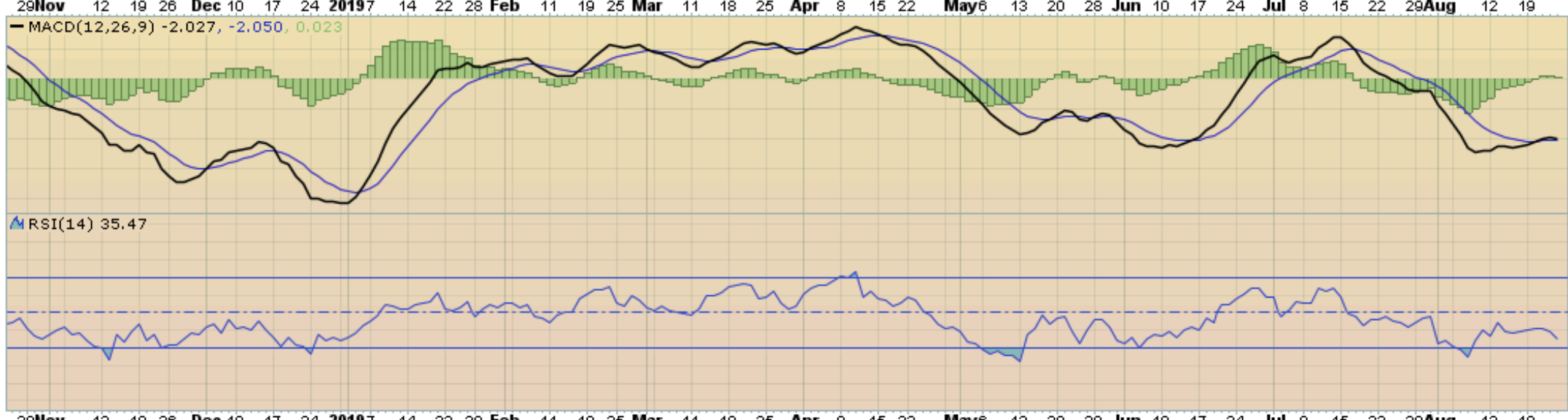
MACD(12,26,9) -3.039, -2.106, -0.932



23-Aug-2019

Reuters/Jefferies CRB Index (EOD) (Daily) 168.61
 BB(20,2,0) 166.13 - 171.97 - 177.81
 PIVOTS 171.92, 175.22, 180.00, 183.30, 188.08
 CHANDLR(22,3,0) 173.28
 Volume undef

CHART B2. \$CRB REUTERS/JEFFERIES CRB INDEX
DAILY CHART

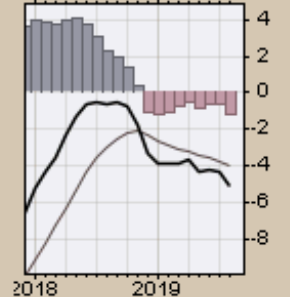
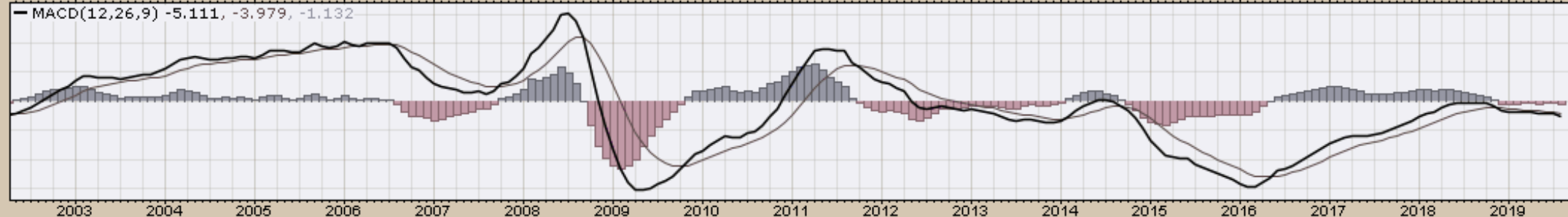


23-Aug-2019

▲ RSI(14) 36.66

▲ \$CRB (Monthly) 168.61
— BB(20,2,0) 167.33 - 187.55 - 207.77
— PIVOTS 142.91, 156.36, 181.65, 195.10, 220.39
■ Volume undef

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



MACD(12,26,9) -22.645, -24.209, 1.564

% \$CRB (Quarterly) 168.61
MA(50) 258.74
MA(200) 232.73
EMA(20) 200.92

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



— \$CRB (Monthly) 168.61
— MA(200) 268.43
■ Volume undef

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



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

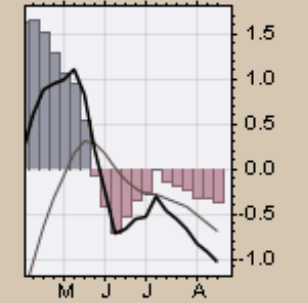
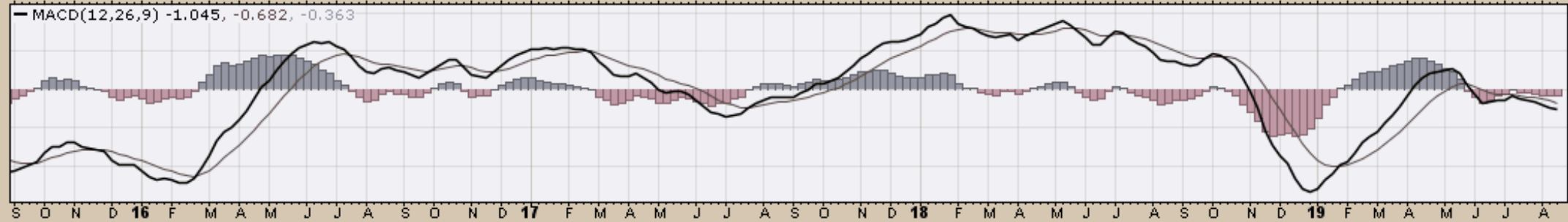
▲ CMF(20) -0.080

▲ \$WTIC (Weekly) 54.17
— BB(20,2,0) 50.63 - 58.06 - 65.49
— PIVOTS 21.20, 34.58, 55.74, 69.12, 90.28

CHART B6. \$WTIC, WEEKLY CHART



— MACD(12,26,9) -1.045, -0.682, -0.363



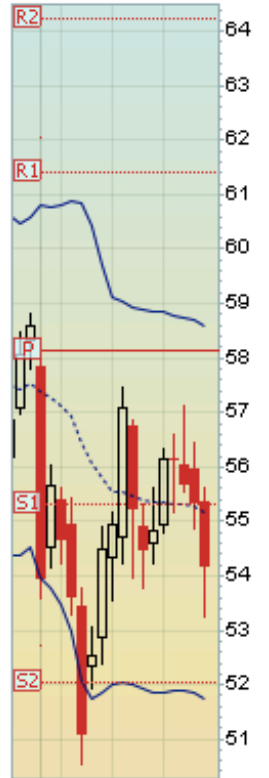
23-Aug-2019

Open 55.35 High 55.60 Low 53.24 Close 54.17 Volume 80.3M Chg -1.18 (-2.13%)

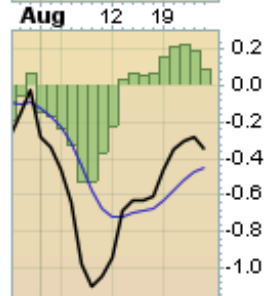
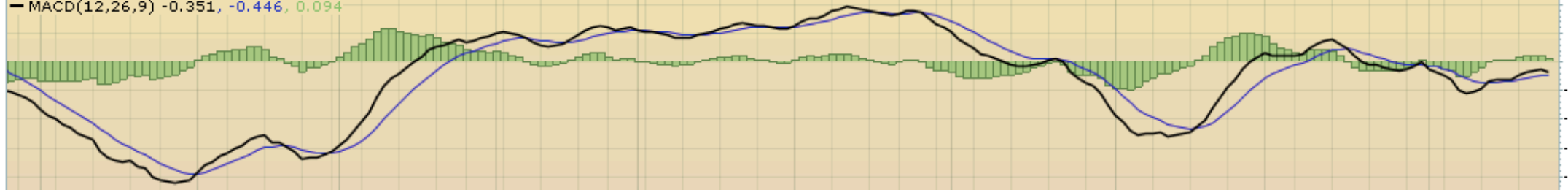
Light Crude Oil - Continuous Contract (EOD) (Daily) 54.17

BB(20,2,0) 51.75 - 55.18 - 58.61

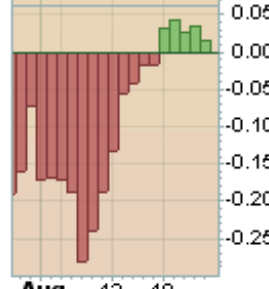
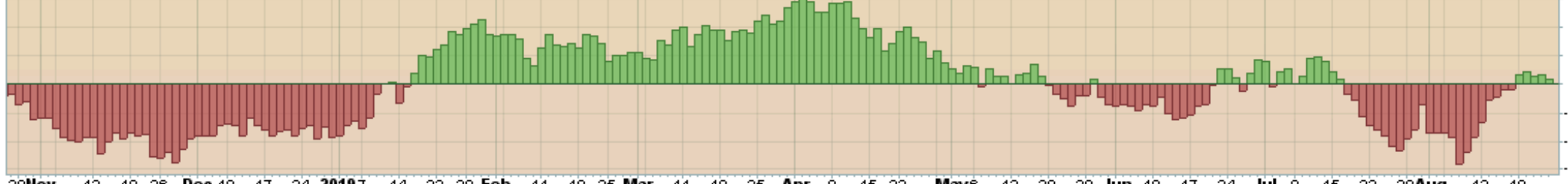
PIVOTS 52.03, 55.31, 58.12, 61.40, 64.21



29Nov 12 19 26 Dec 10 17 24 2019 7 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 29Aug 12 19



CMF(20) 0.016



29Nov 12 19 26 Dec 10 17 24 2019 7 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 29Aug 12 19

Aug 12 19

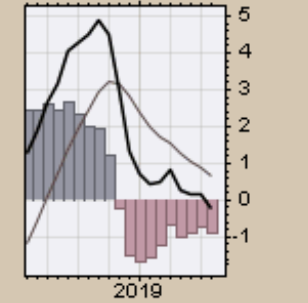
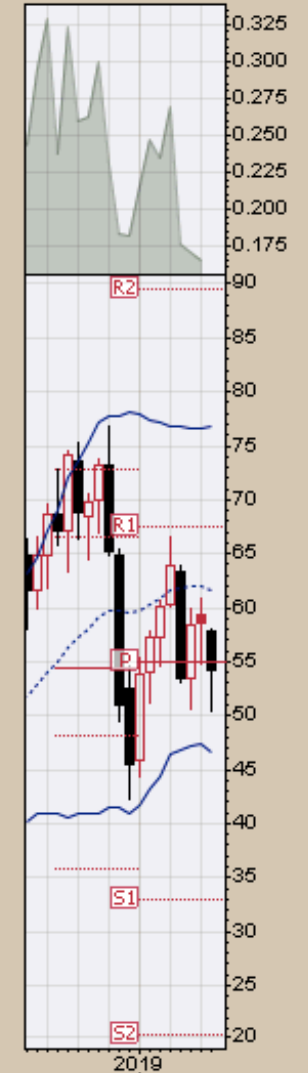
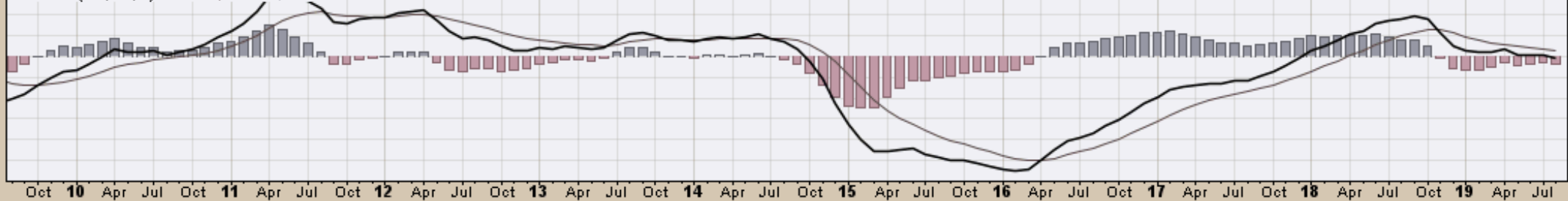
▲ CMF(20) 0.165 (31 Jul)

CHART B8. \$WTIC, MONTHLY CHART

▲ \$WTIC (Monthly) 54.17
— BB(20,2,0) 46.70 - 61.72 - 76.73
— PIVOTS 20.35, 32.88, 54.89, 67.42, 89.43



— MACD(12,26,9) -0.243, 0.651, -0.893



— \$WTIC (Monthly) 54.17
— MA(200) 68.53

CHART B9A. \$WTIC, MONTHLY CHART



MACD(12,26,9) -4.101, -5.051, 0.950

\$WTIC (Quarterly) 54.17
MA(50) 75.02
MA(200) undef
EMA(20) 60.91

CHART B9B. \$WTIC, QUARTERLY CHART



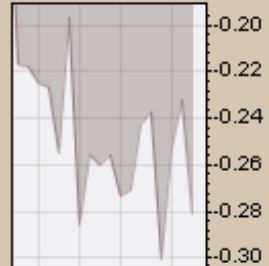
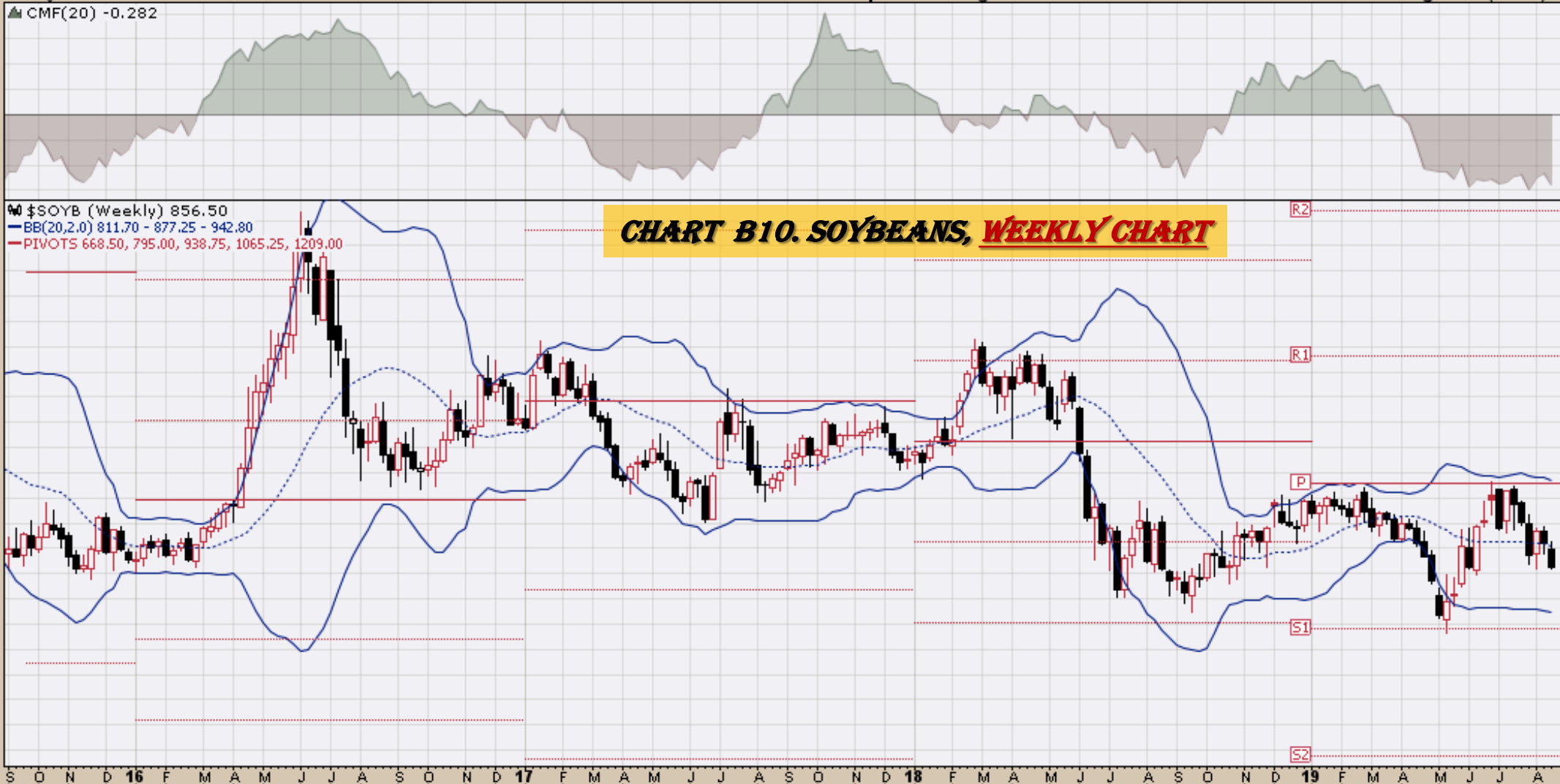
Soybeans

Weekly, Daily, Monthly and Quarterly Charts

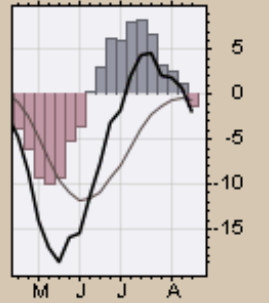
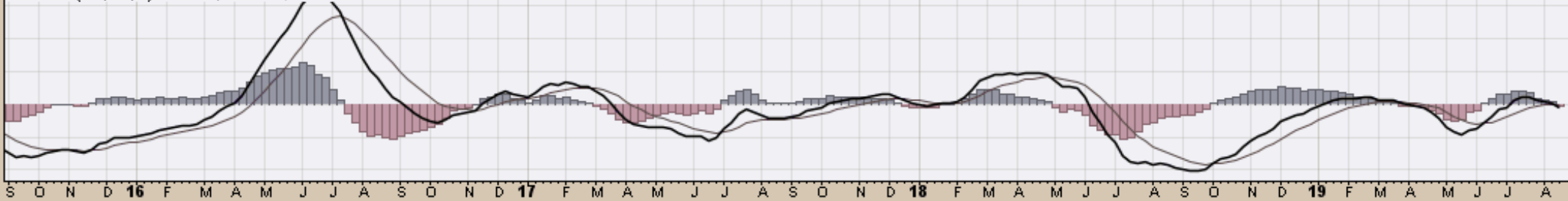
▲ CMF(20) -0.282

▲ \$SOYB (Weekly) 856.50
— BB(20,2,0) 811.70 - 877.25 - 942.80
— PIVOTS 668.50, 795.00, 938.75, 1065.25, 1209.00

CHART B10. SOYBEANS, WEEKLY CHART

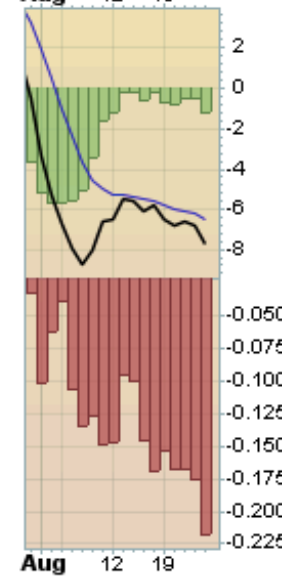
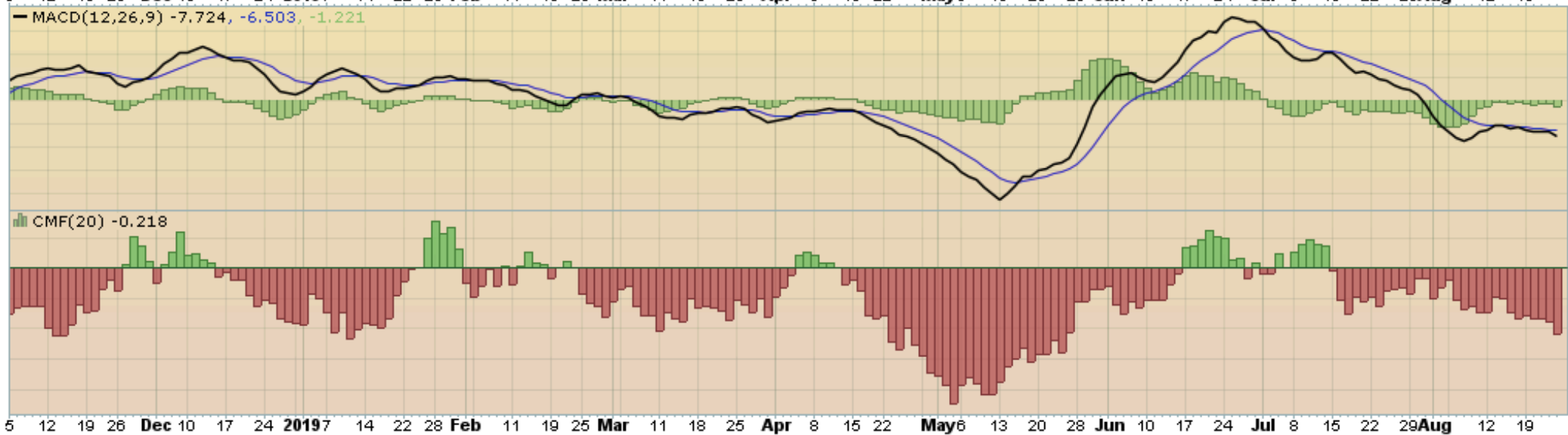
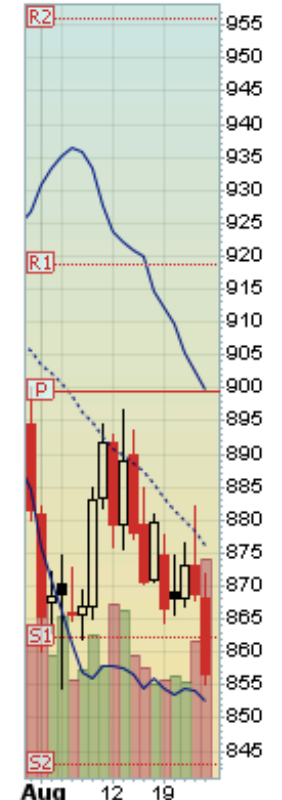


— MACD(12,26,9) -1.898, -0.684, -1.214



Soybeans - Continuous Contract (EOD) (Daily) 856.50
BB(20,2,0) 852.49 - 876.10 - 899.71
PIVOTS 842.83, 862.17, 899.33, 918.67, 955.83
Volume 144,859

CHART B11. SOYBEANS, DAILY CHART



23-Aug-2019

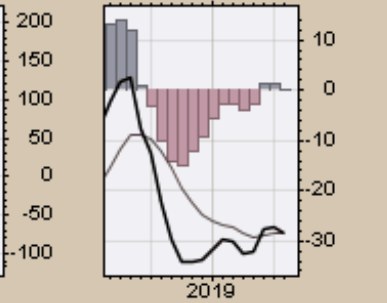
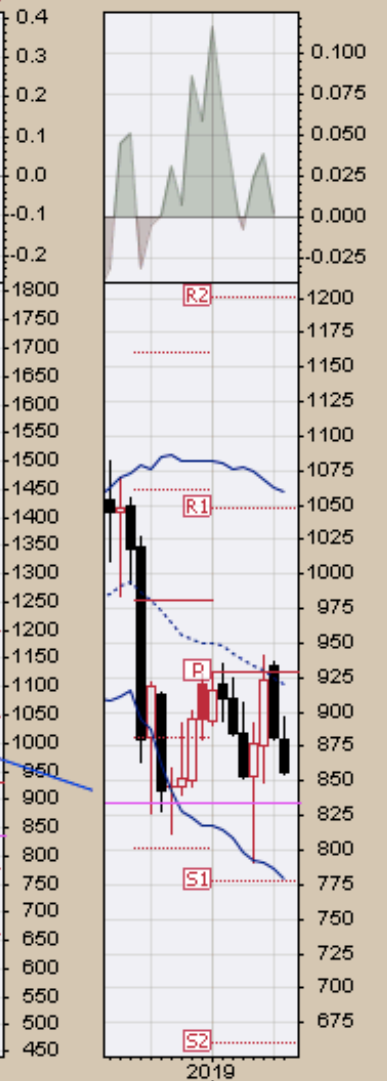
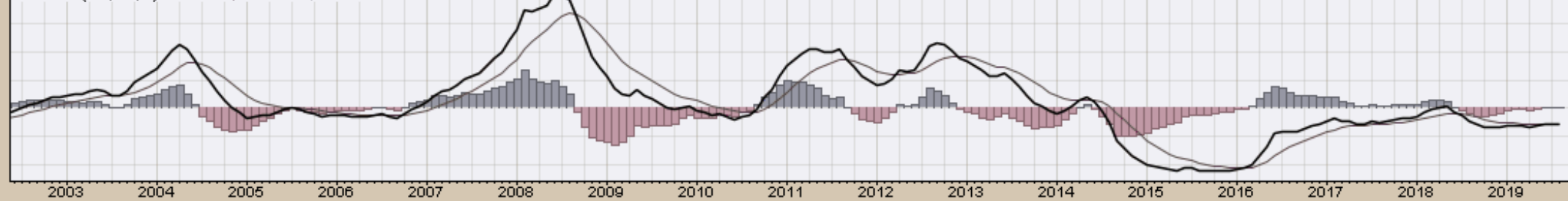
▲ CMF(20) 0.002 (31 Jul)

CHART B12. SOYBEANS, MONTHLY CHART

▲ \$SOYB (Monthly) 856.50
— BB(20,2,0) 779.85 - 919.75 - 1059.65
— PIVOTS 659.67, 777.33, 929.92, 1047.58, 1200.17

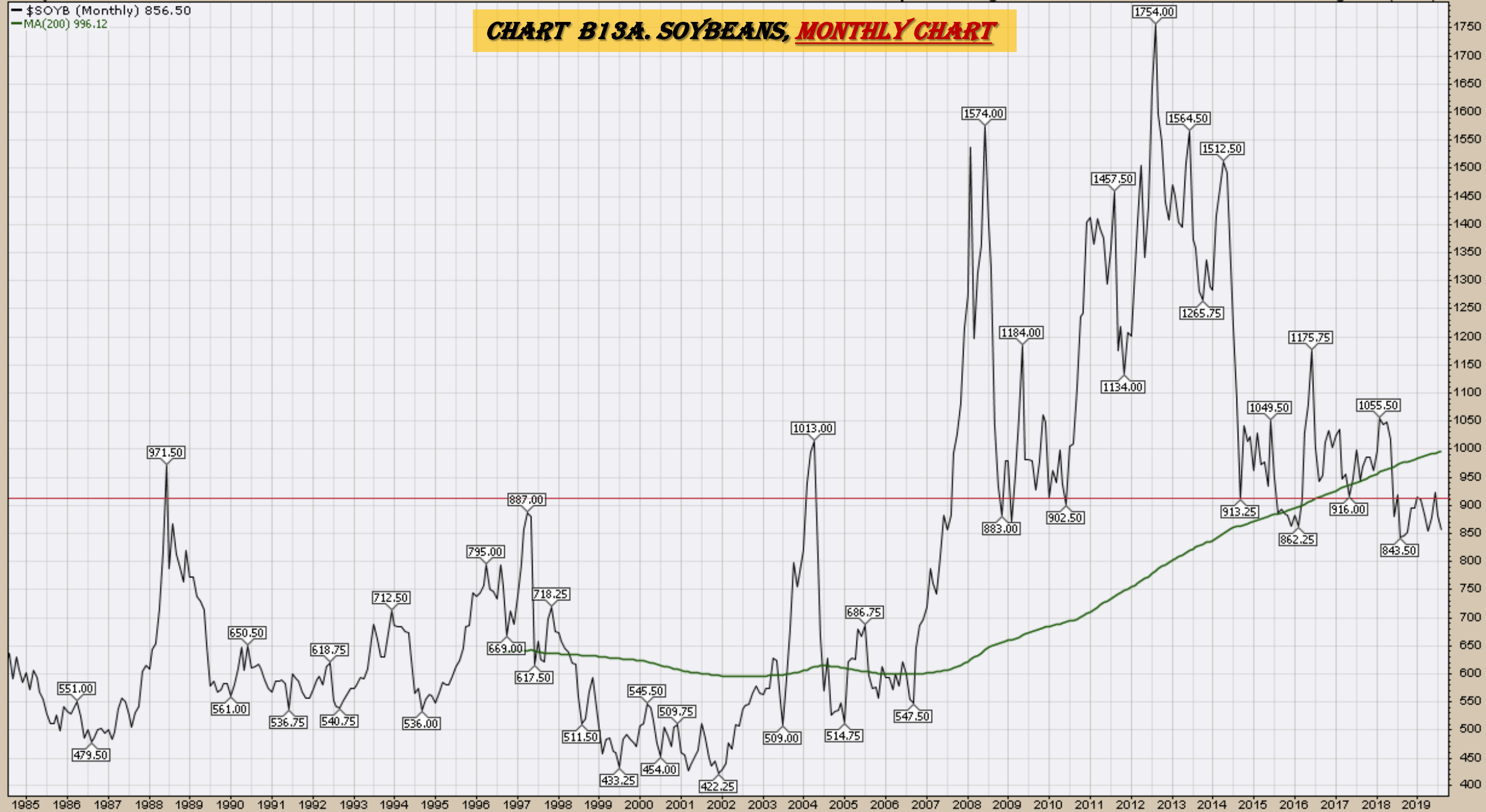


— MACD(12,26,9) -28.594, -28.509, -0.085



— \$SOYB (Monthly) 856.50
— MA(200) 996.12

CHART B13A. SOYBEANS, MONTHLY CHART



MACD(12,26,9) -62.452, -53.863, -8.589

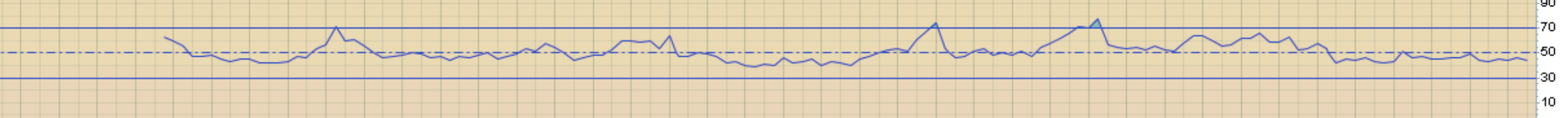


\$SOYB (Quarterly) 856.50

CHART B13B. SOYBEANS, QUARTERLY CHART



RSI(14) 43.81



Full STO %K(14,3) %D(3) 21.83, 20.40



Corn

Weekly, Daily, Monthly and Quarterly Charts

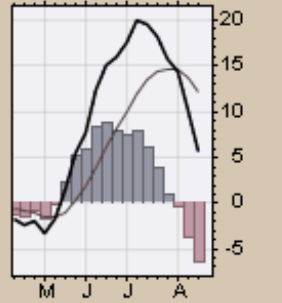
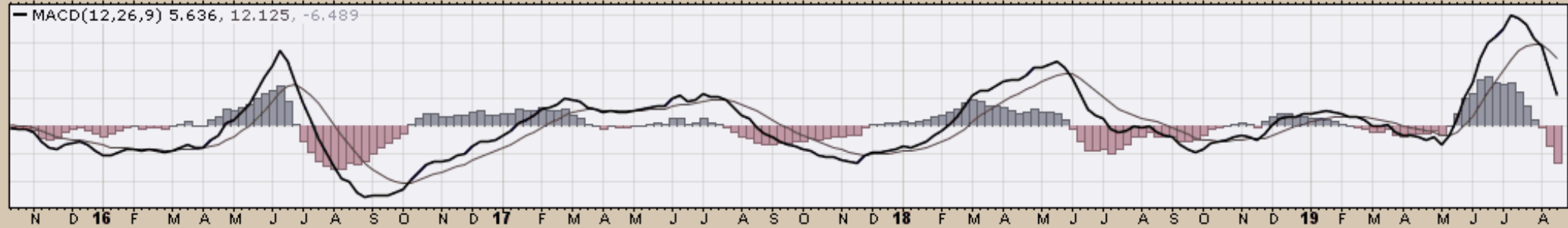
▲ CMF(20) 0.148

90 \$CORN (Weekly) 367.75
— BB(20,2,0) 339.60 - 405.75 - 471.90
— PIVOTS 304.50, 343.75, 378.00, 417.25, 451.50
■ Volume 921.58K, EMA(50) 964.80K

CHART B14. CORN, WEEKLY CHART

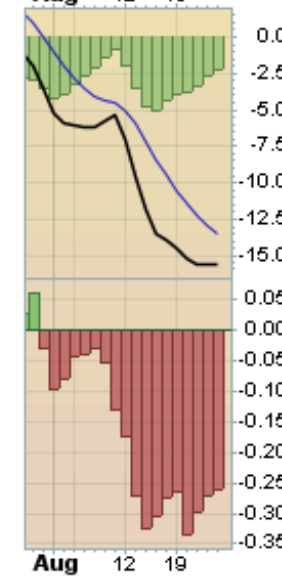
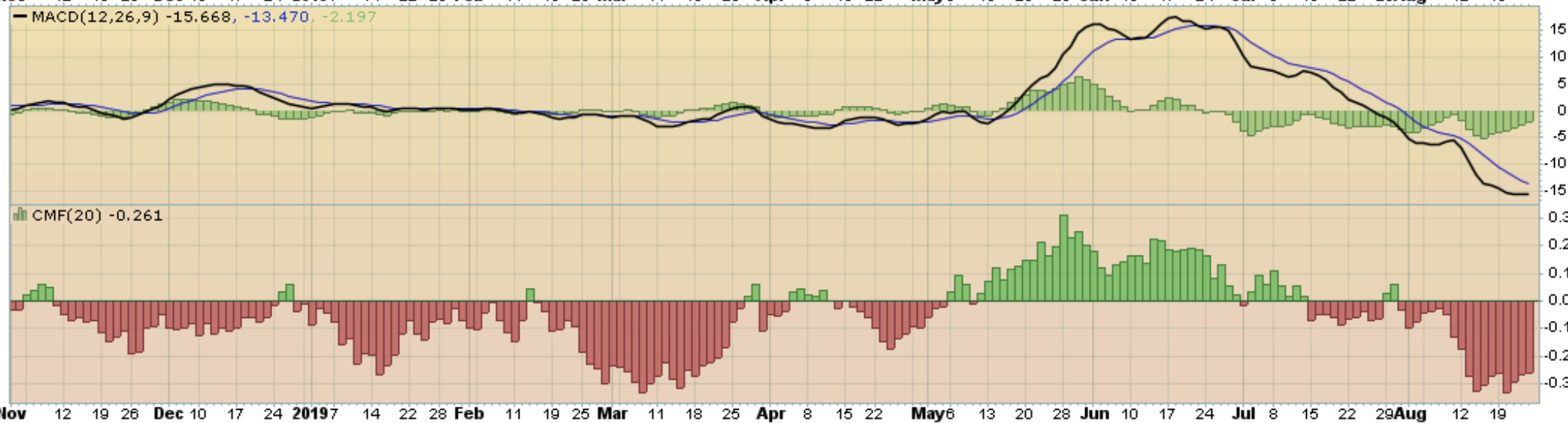
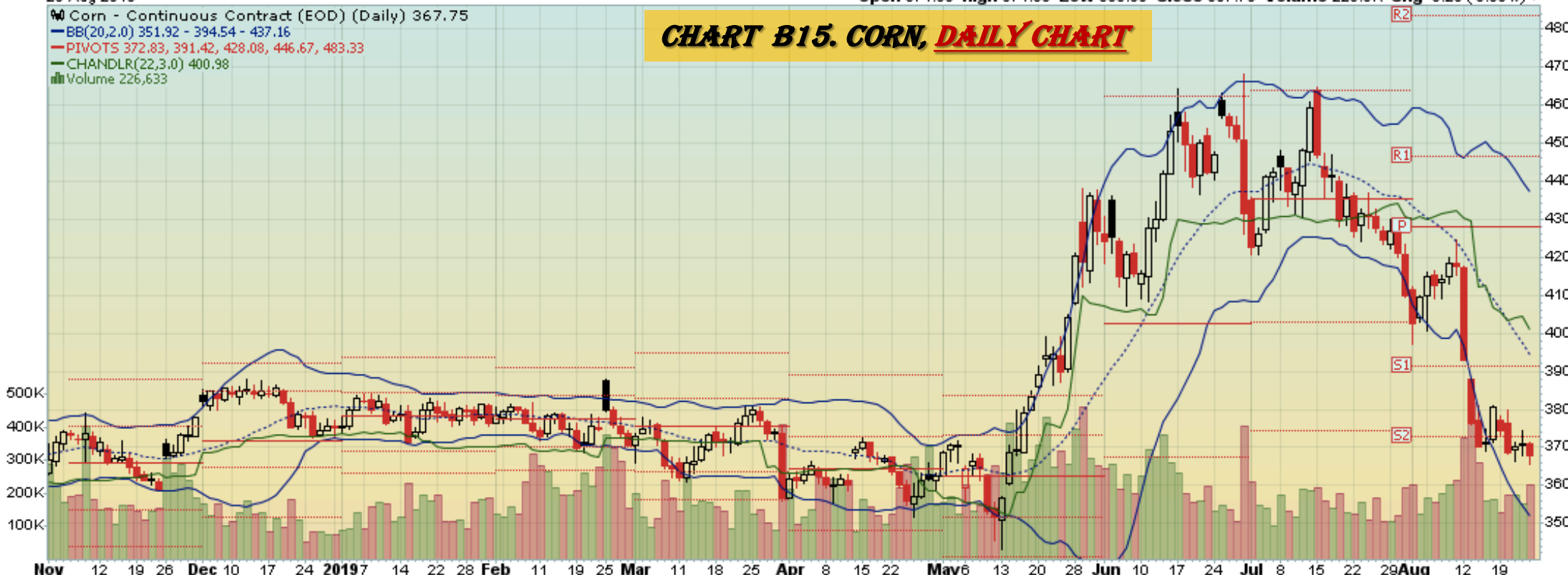


— MACD(12,26,9) 5.636, 12.125, -6.489



Corn - Continuous Contract (EOD) (Daily) 367.75
 BB(20,2,0) 351.92 - 394.54 - 437.16
 PIVOTS 372.83, 391.42, 428.08, 446.67, 483.33
 CHANDLR(22,3,0) 400.98
 Volume 226,633

CHART B15. CORN, DAILY CHART



23-Aug-2019

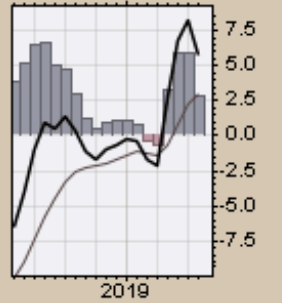
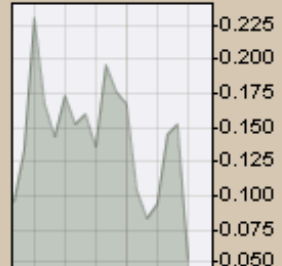
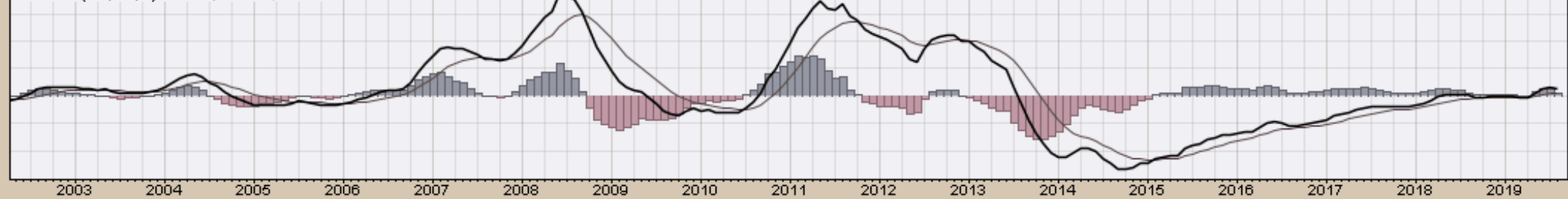
▲ CMF(20) 0.053 (31 Jul)

CHART B16. CORN, MONTHLY CHART

▲ \$CORN (Monthly) 367.75
— BB(20,2,0) 338.53 - 381.17 - 423.82
— PIVOTS 301.83, 338.42, 375.33, 411.92, 448.83

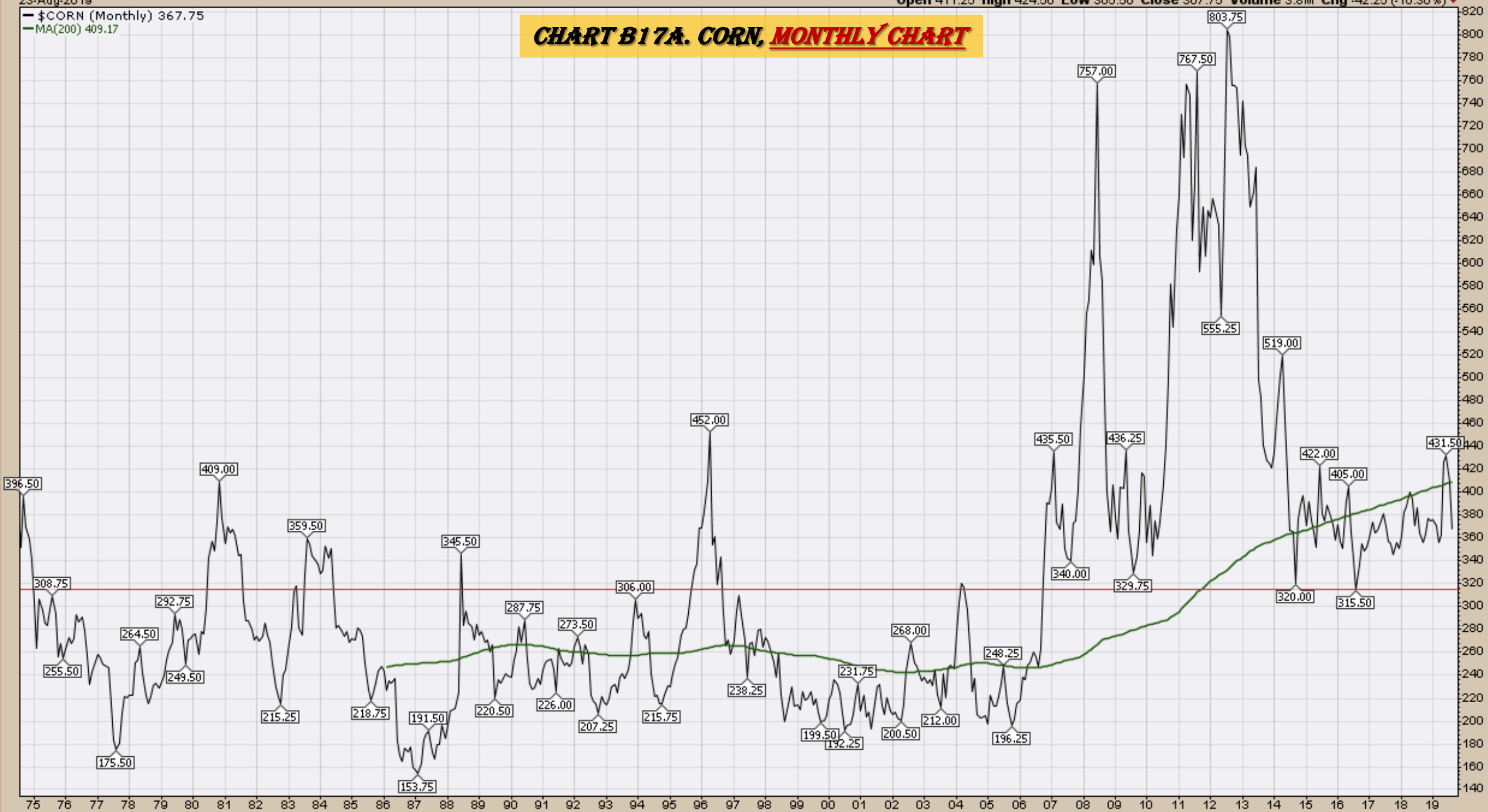


— MACD(12,26,9) 5.815, 3.026, 2.789



— \$CORN (Monthly) 367.75
— MA(200) 409.17

CHART B17A. CORN, MONTHLY CHART



MACD(12,26,9) -20.749, -26.642, 5.894

% \$CORN (Quarterly) 367.75

MA(50) 459.57

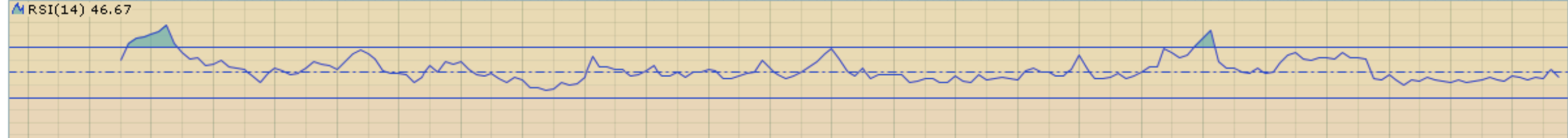
MA(200) 300.23

EMA(20) 391.89

CHART B17B. CORN, QUARTERLY CHART



RSI(14) 46.67



Full STO %K(14,3) %D(3) 48.10, 45.33



Rice

CHART B18. ROUGH RICE, 20 YEAR



- 12.566
- 11.140
- 10.000
- 9.715
- 8.289
- 7.500
- 6.864

CHART B19. ROUGH RICE, 5 YEAR

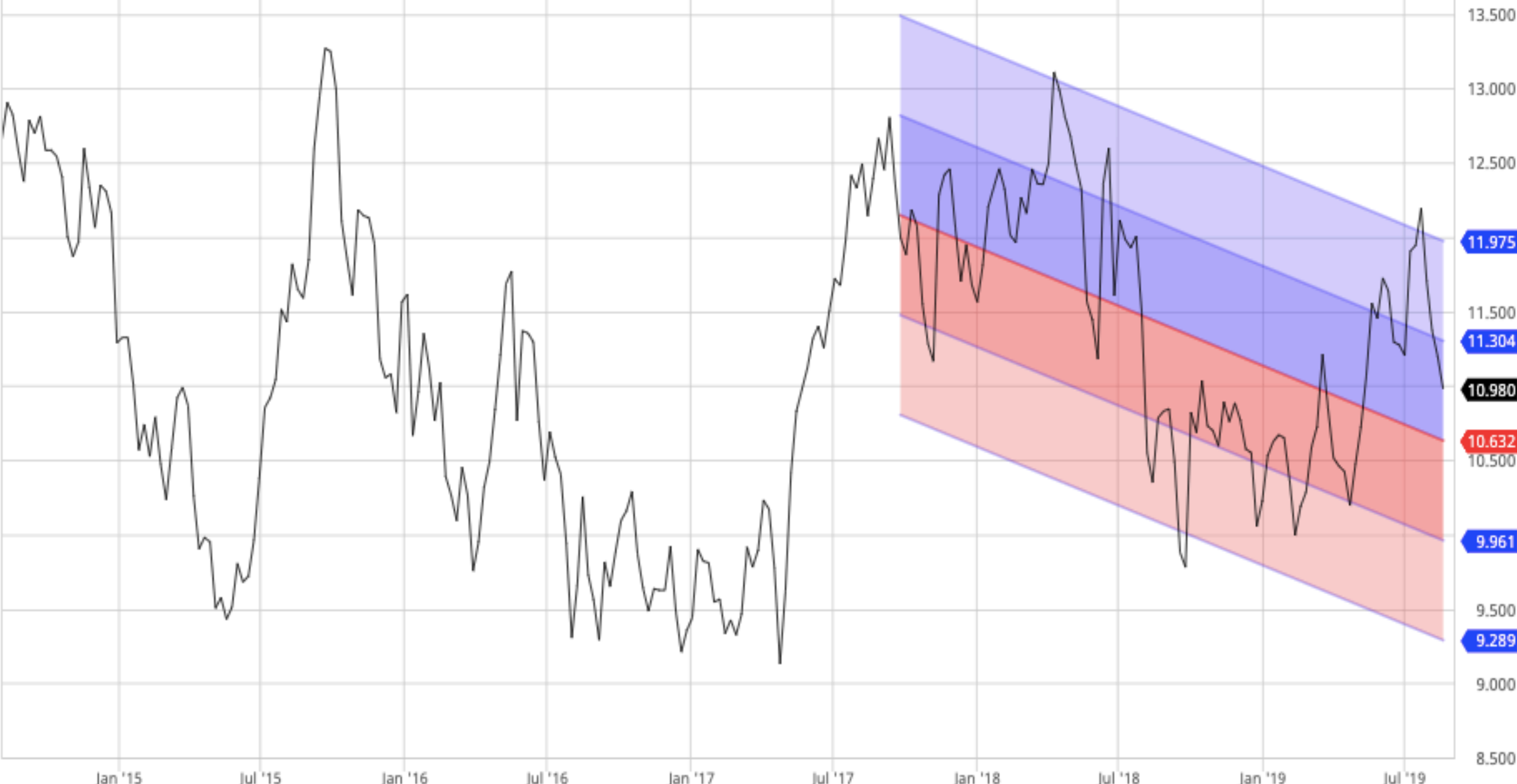


CHART B20. ROUGH RICE, 1 YEAR



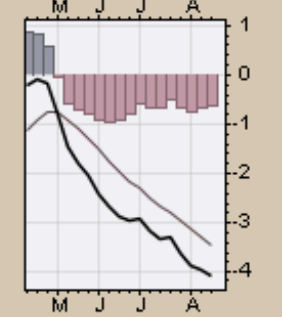
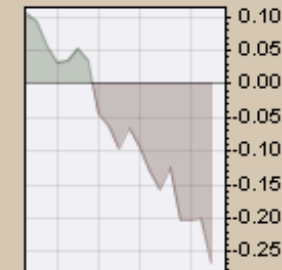
Cotton

Weekly, Daily, Monthly and Quarterly Charts

▲ CMF(20) -0.269

▲ \$COTTON (Weekly) 58.21
— BB(20,2,0) 54.60 - 66.91 - 79.22
— PIVOTS 55.16, 63.84, 79.33, 88.01, 103.50

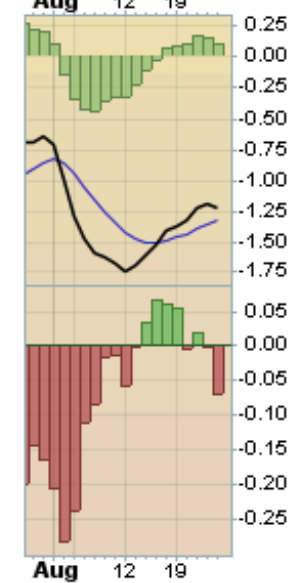
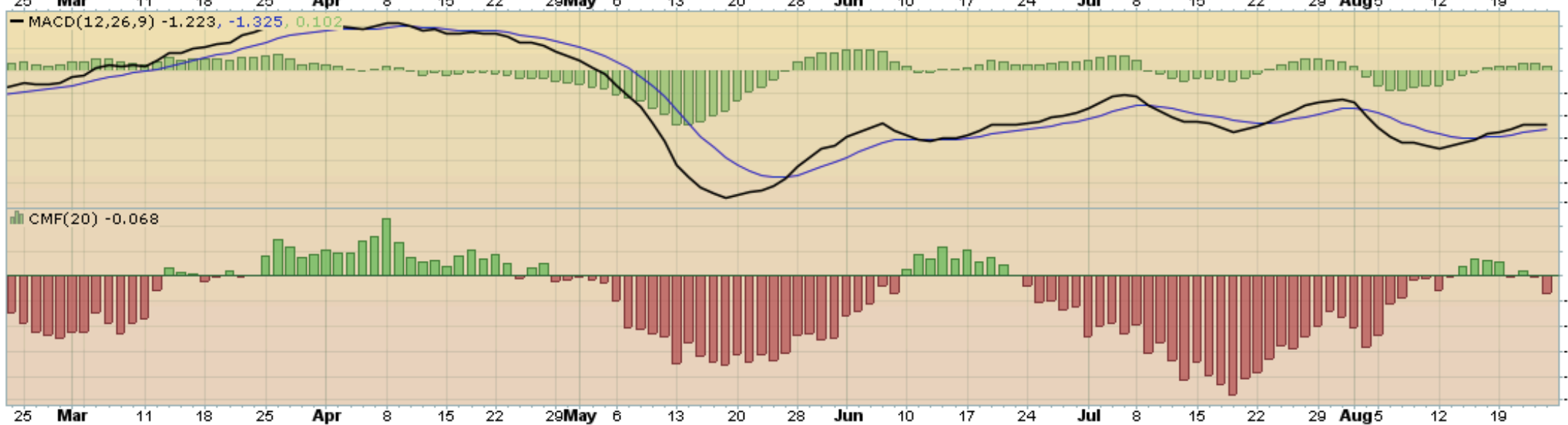
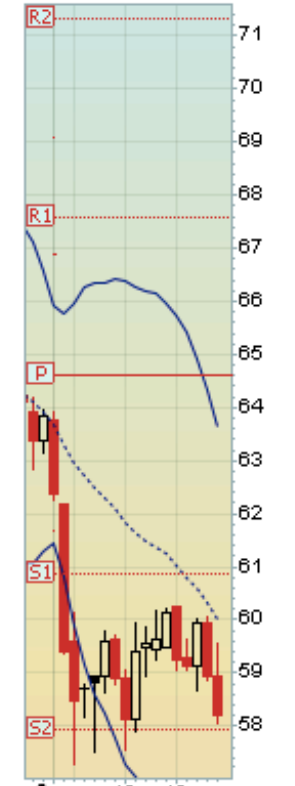
CHART B21. COTTON, WEEKLY CHART



23-Aug-2019

Open 58.92 High 59.55 Low 58.06 Close 58.21 Volume 15.1K Chg -0.73 (-1.24%)

CHART B22. COTTON, DAILY CHART



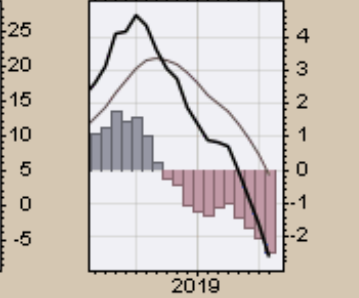
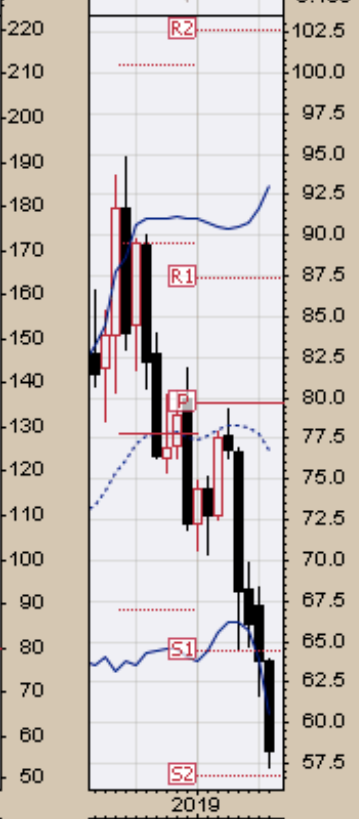
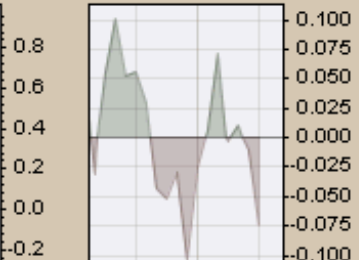
▲ CMF(20) -0.075 (31 Jul)

CHART B23. COTTON, MONTHLY CHART

● \$COTTON (Monthly) 58.21
— BB(20,2,0) 60.47 - 76.75 - 93.03
— PIVOTS 56.68, 64.44, 79.63, 87.39, 102.58

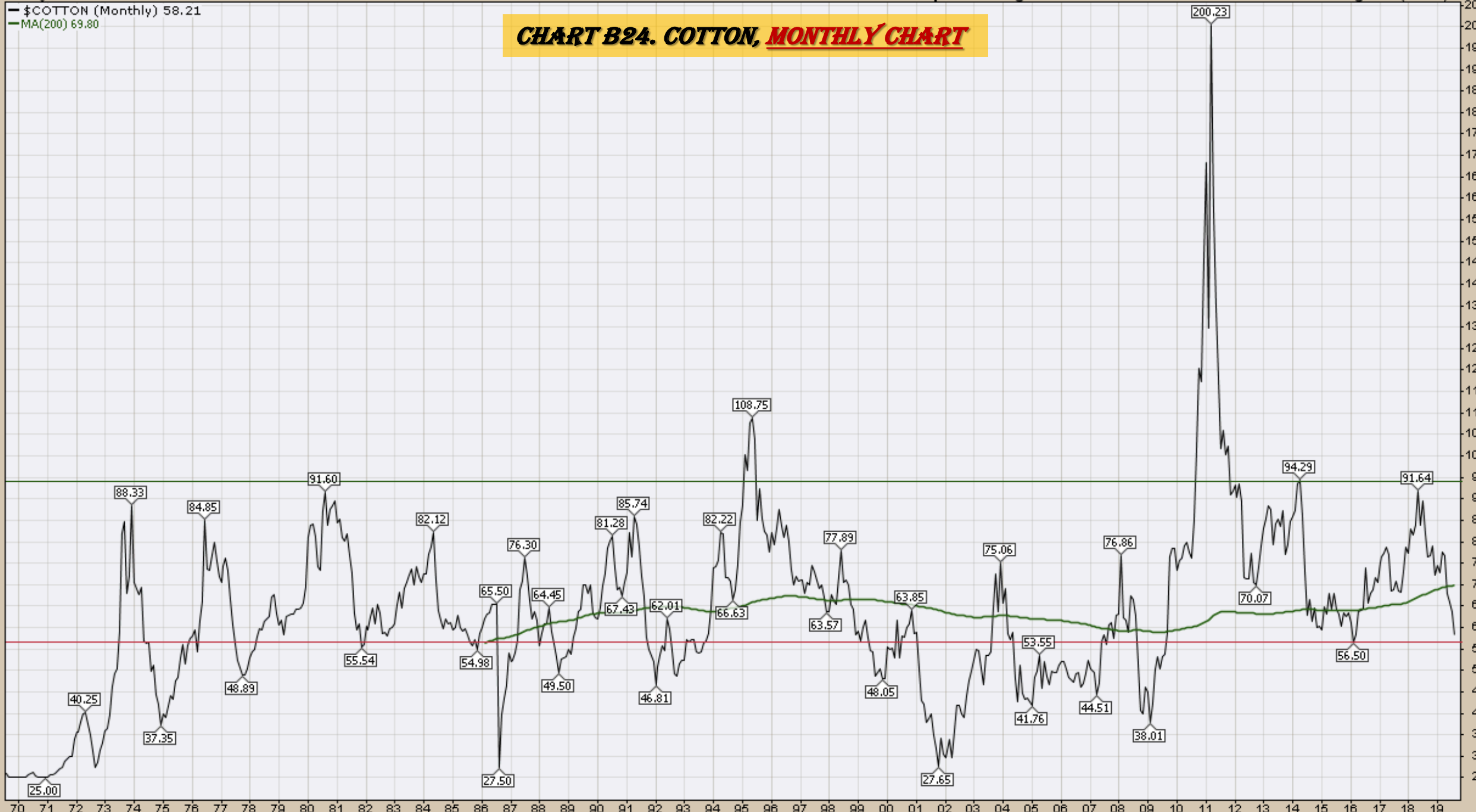


— MACD(12,26,9) -2.627, -0.171, -2.456



— \$COTTON (Monthly) 58.21
— MA(200) 69.80

CHART B24. COTTON, MONTHLY CHART



MACD(12,26,9) -1.642, -0.933, -0.710

CHART B24B. COTTON, QUARTERLY CHART

% \$COTTON (Quarterly) 58.21

MA(50) 76.39
MA(200) 63.22
EMA(20) 72.29



RSI(14) 42.28



Full STO %K(14,3) %D(3) 29.49, 41.52



Wheat

Weekly, Daily, Monthly and Quarterly Charts

23-Aug-2019

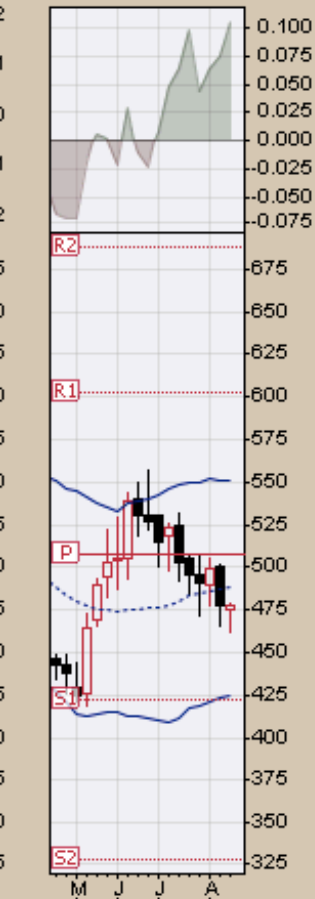
▲ CMF(20) 0.105

W \$WHEAT (Weekly) 477.75

— BB(20,2,0) 424.31 - 487.92 - 551.54

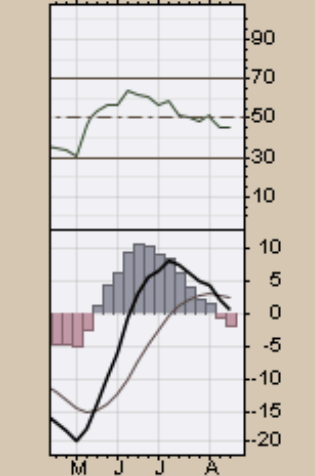
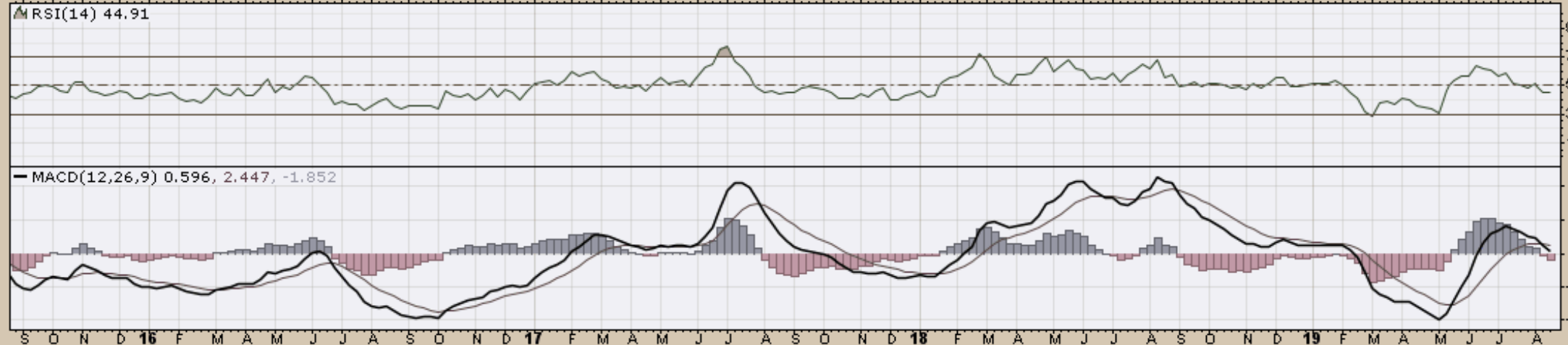
— PIVOTS 328.00, 422.50, 507.75, 602.25, 687.50

CHART B25. WHEAT, WEEKLY CHART



▲ RSI(14) 44.91

— MACD(12,26,9) 0.596, 2.447, -1.852

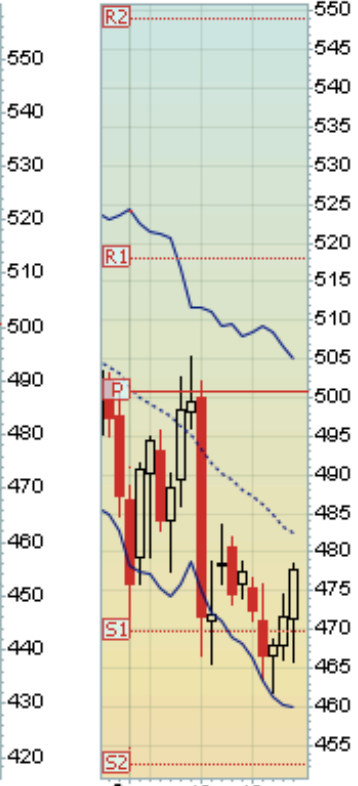


Wheat - Continuous Contract (EOD) (Daily) 477.75

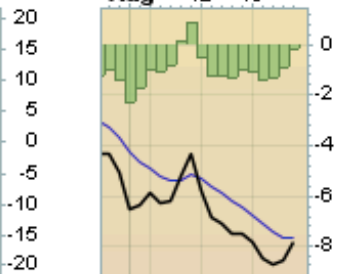
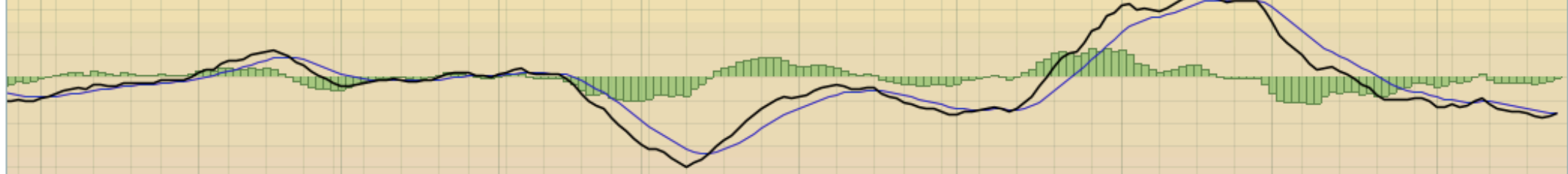
BB(20,2,0) 459.88 - 482.49 - 505.10

PIVOTS 452.42, 469.83, 500.67, 518.08, 548.92

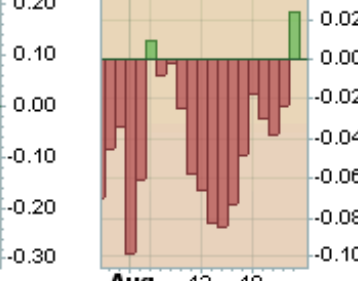
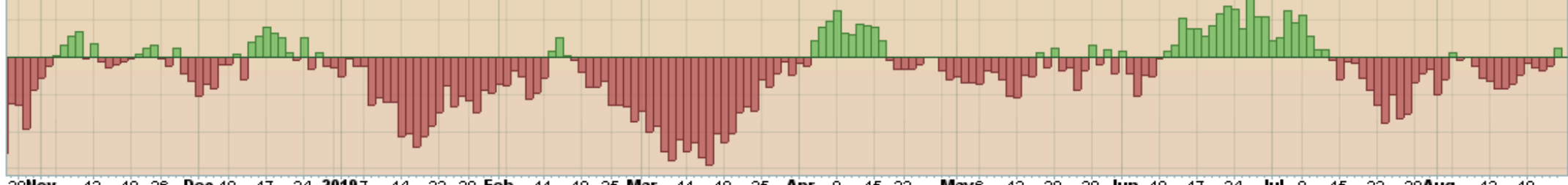
CHART B26. WHEAT, DAILY CHART



MACD(12,26,9) -7.851, -7.689, -0.163



CMF(20) 0.023



23-Aug-2019

Open 486.75 High 505.25 Low 461.75 Close 477.75 Volume 1.1M Chg -9.50 (-1.95%)

▲ CMF(20) 0.022 (31 Jul)

▲ \$WHEAT (Monthly) 477.75
— BB(20,2,0) 431.68 - 496.06 - 560.45
— PIVOTS 323.42, 413.33, 503.17, 593.08, 682.92

CHART B27. WHEAT, MONTHLY CHART



— MACD(12,26,9) 2.958, 4.877, -1.920

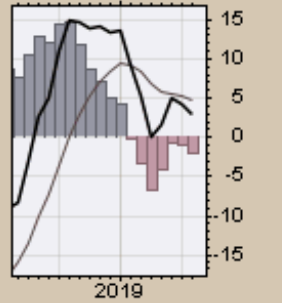
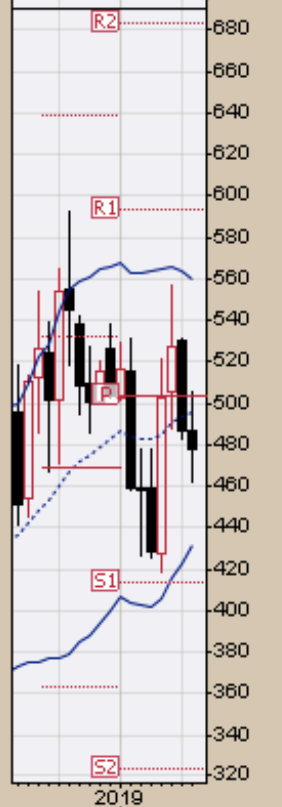
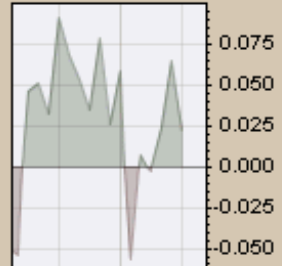
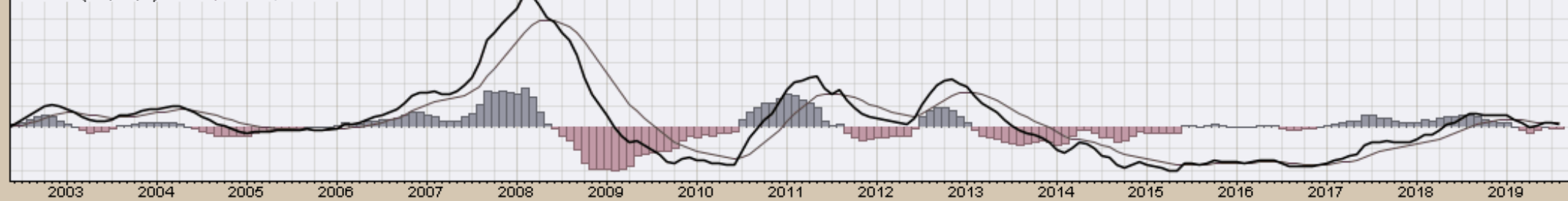


CHART B28A. WHEAT, MONTHLY CHART

— \$WHEAT (Monthly) 477.75
— MA(200) 538.02



MACD(12,26,9) -24.272, -31.581, 7.309

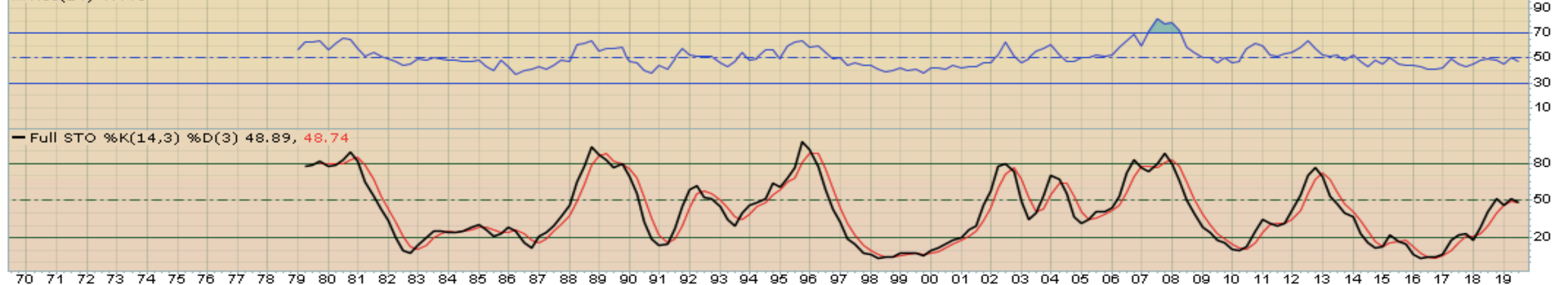
CHART B28B. WHEAT, QUARTERLY CHART

% \$WHEAT (Quarterly) 477.75

MA(50) 595.38
MA(200) undef
EMA(20) 501.88



RSI(14) 47.40



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) 26.10
BB(20,2,0) 25.90 - 27.29 - 28.68
PIVOTS 17.46, 20.74, 25.10, 28.38, 32.74
Volume 253.45M, EMA(50) 263.85M

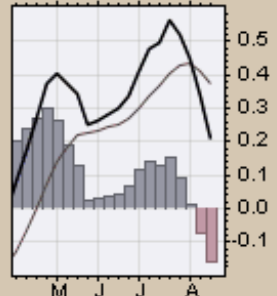
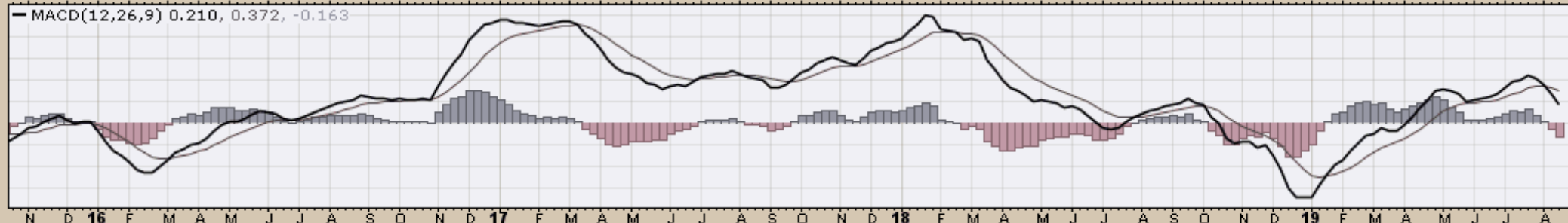
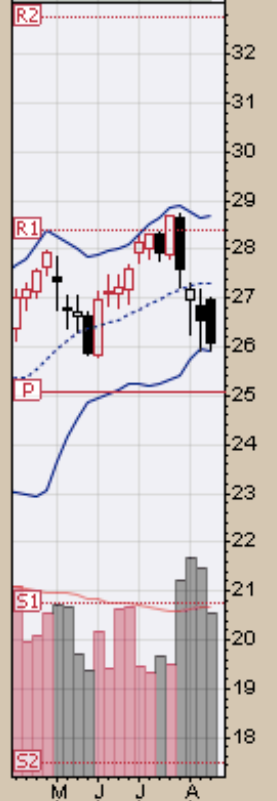
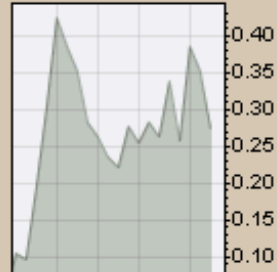
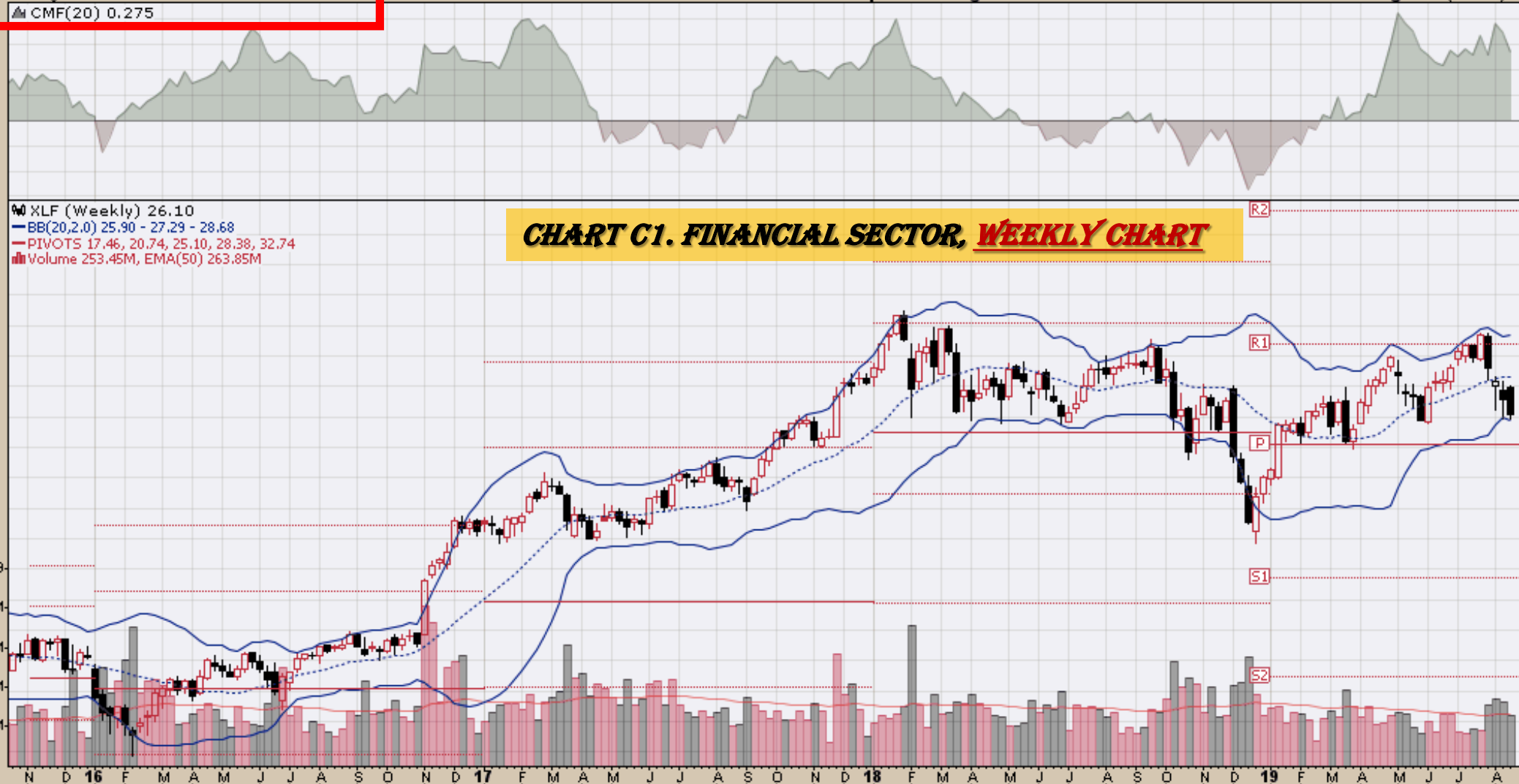
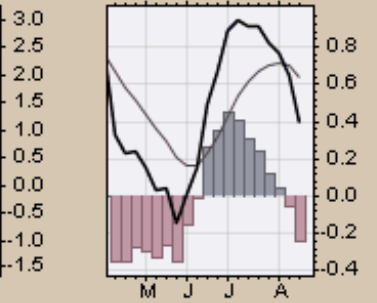
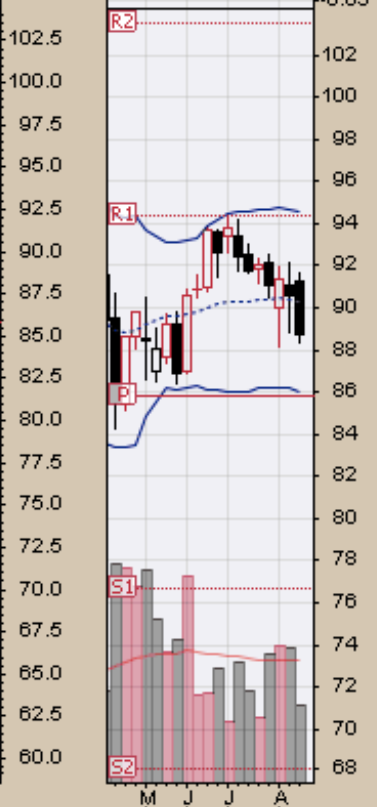
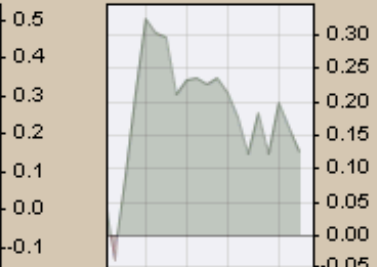
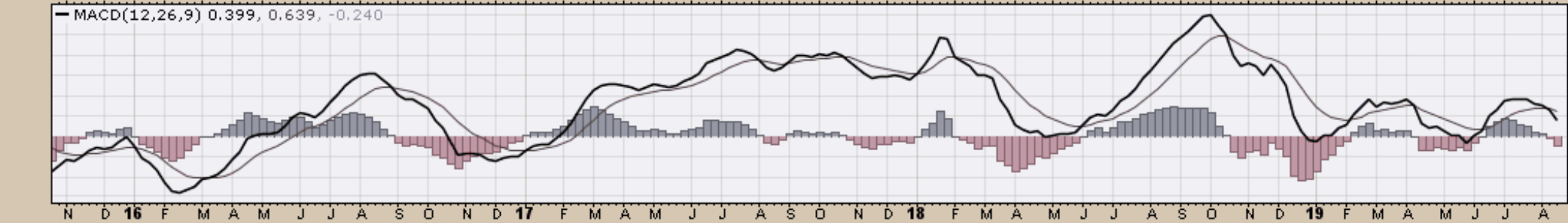
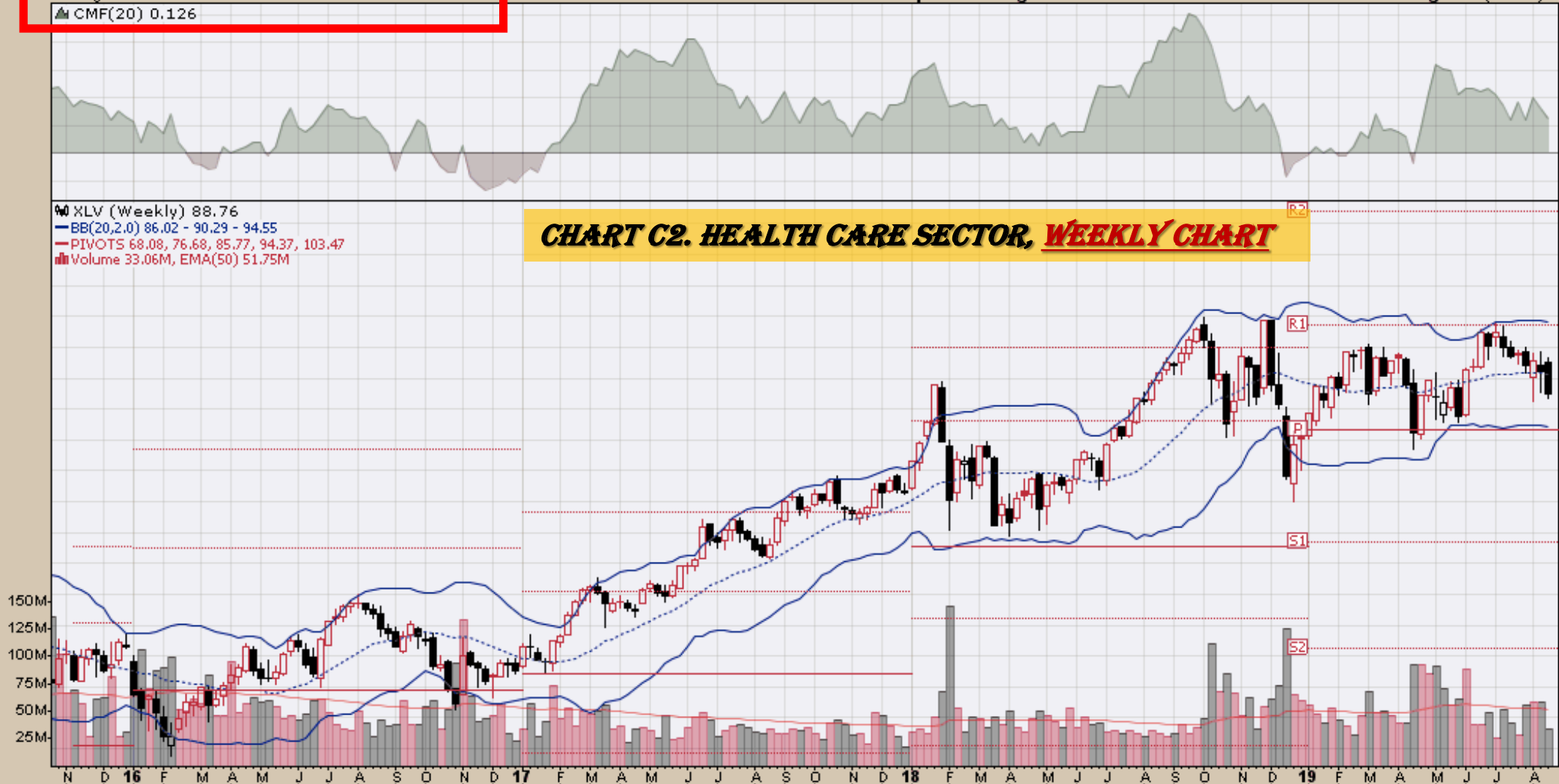
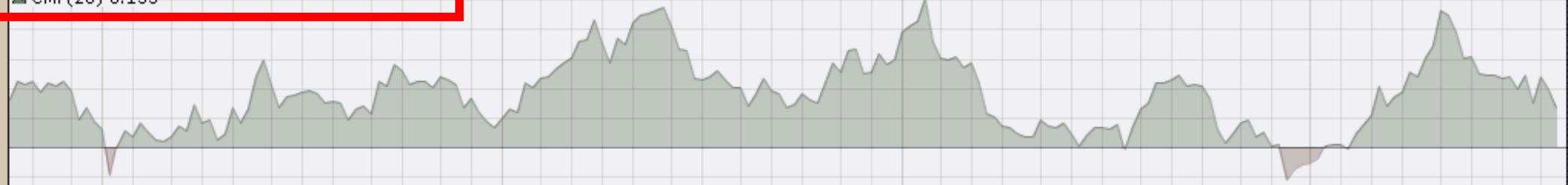


CHART C2. HEALTH CARE SECTOR, WEEKLY CHART

XLV (Weekly) 88.76
BB(20,2.0) 86.02 - 90.29 - 94.55
PIVOTS 68.08, 76.68, 85.77, 94.37, 103.47
Volume 33.06M, EMA(50) 51.75M





▲ XLK (Weekly) 77.17
 — BB(20,2,0) 72.49 - 77.60 - 82.72
 — PIVOTS 46.32, 53.70, 64.56, 71.95, 82.81
 ■ Volume 52.61M, EMA(50) 67.81M

CHART C3. TECHNOLOGY SECTOR, WEEKLY CHART

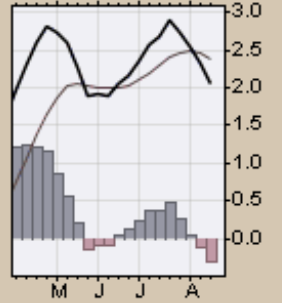
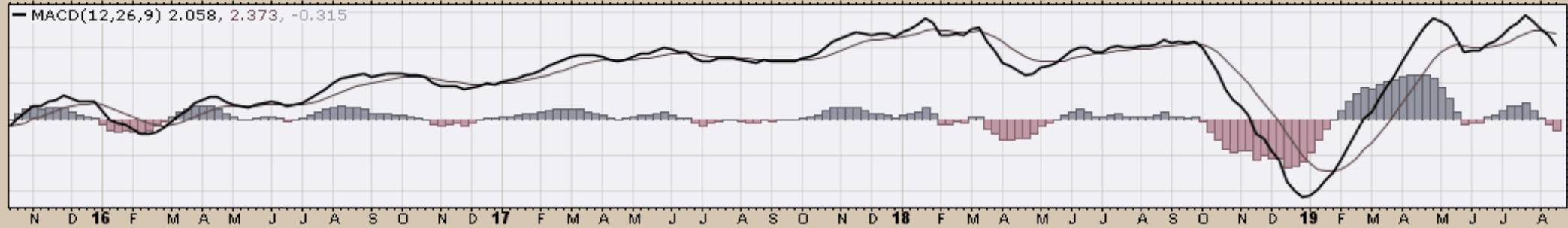
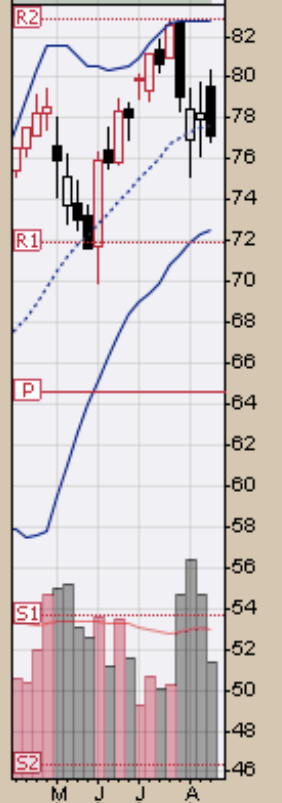
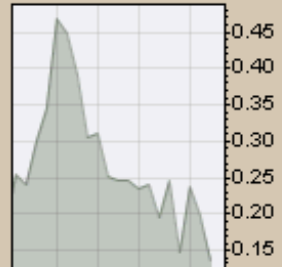
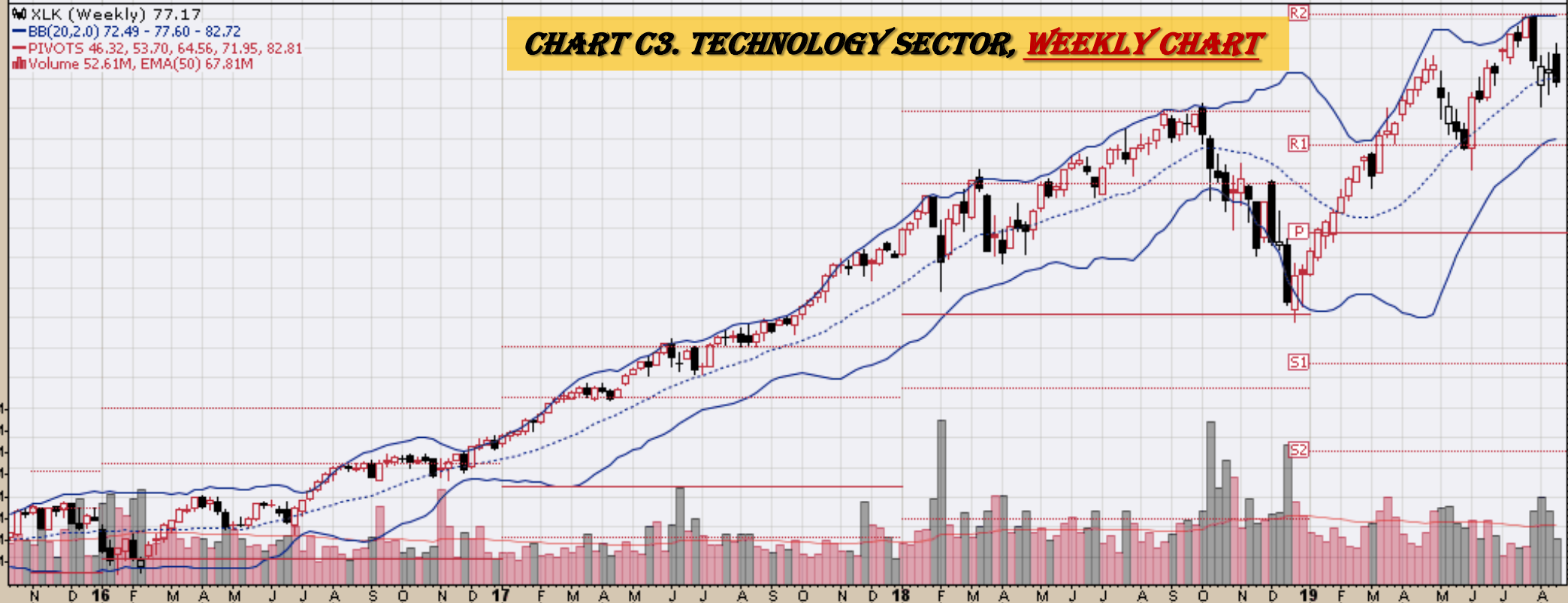


CHART C4. INDUSTRIAL SECTOR, WEEKLY CHART

XLI (Weekly) 73.12
— BB(20,2,0) 72.34 - 76.06 - 79.79
— PIVOTS 48.10, 56.30, 67.52, 75.71, 86.93
■ Volume 48.52M, EMA(50) 58.82M

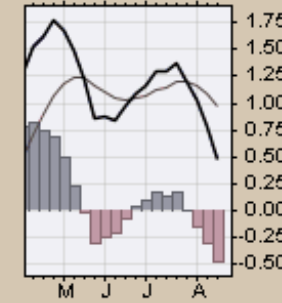
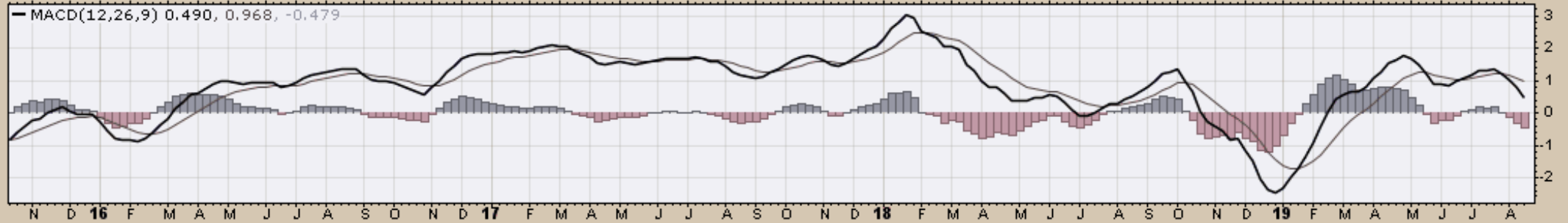
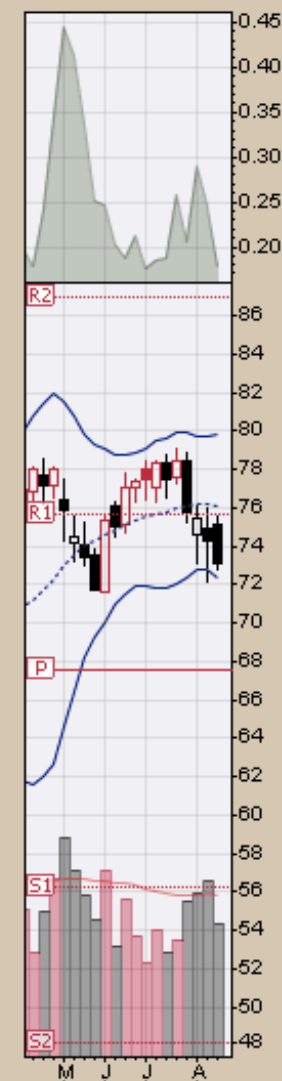
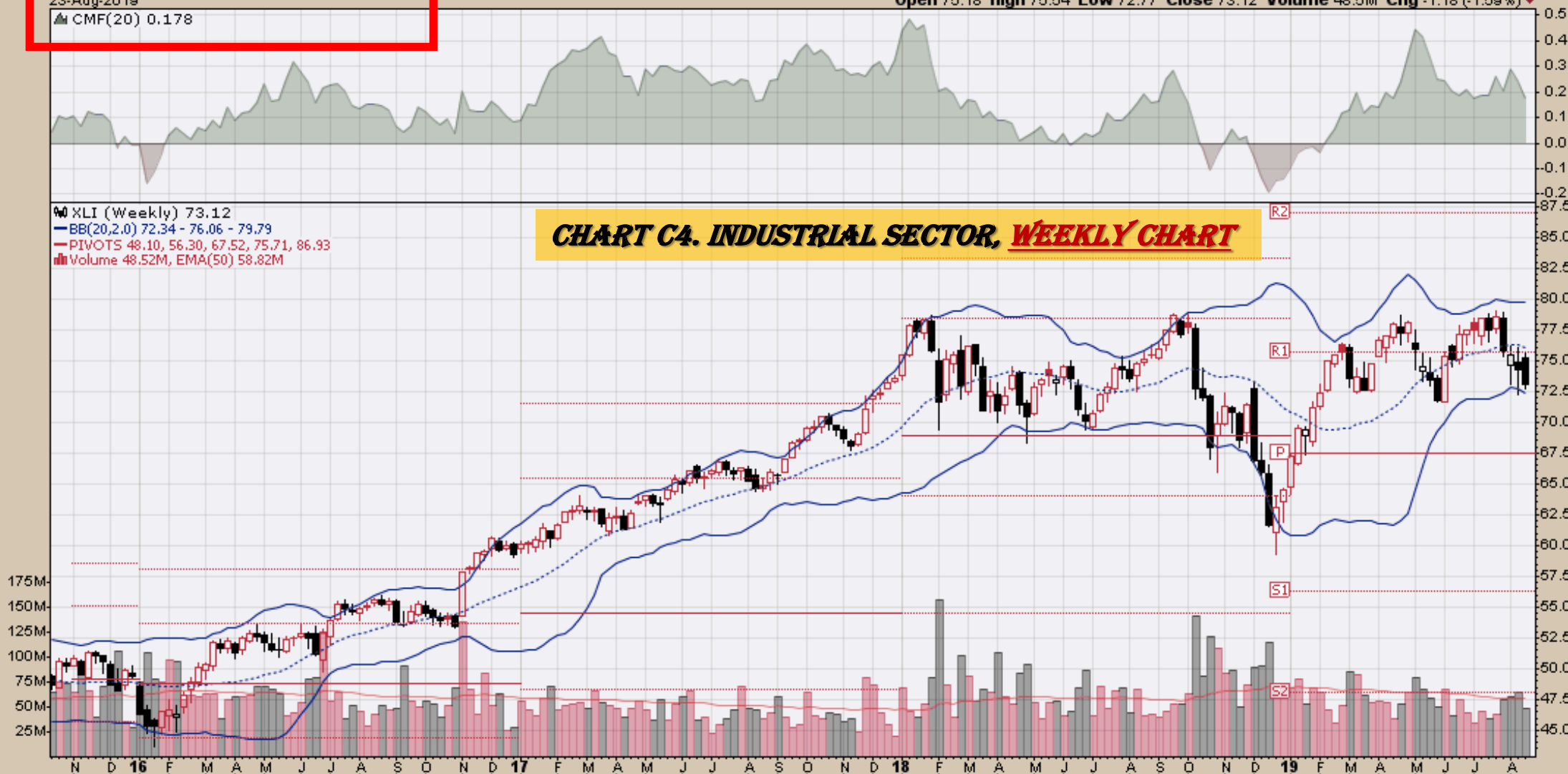


CHART C5. MATERIALS SECTOR, WEEKLY CHART

XLB (Weekly) 54.95
BB(20,2,0) 53.16 - 56.78 - 60.40
PIVOTS 37.49, 44.12, 53.20, 59.83, 68.91
Volume 22.95M, EMA(50) 35.21M

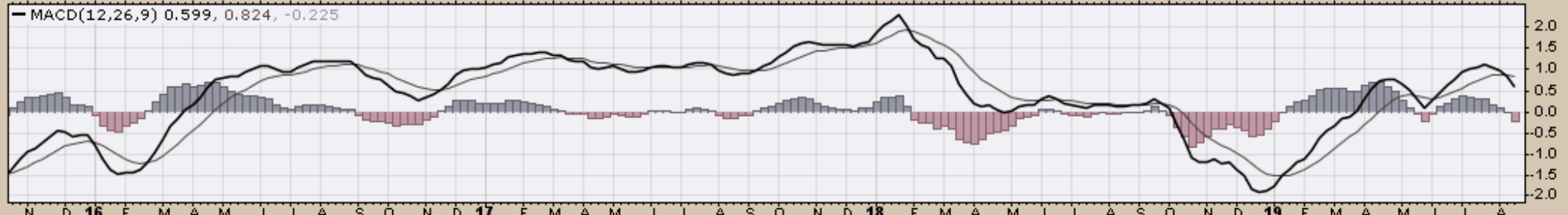
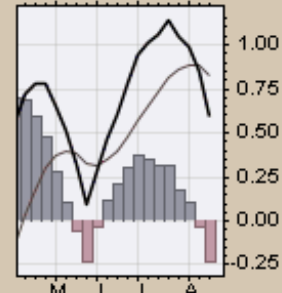
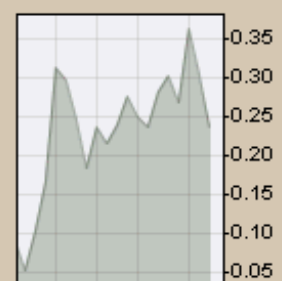
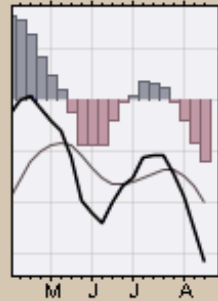
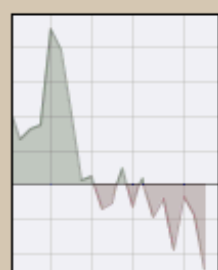
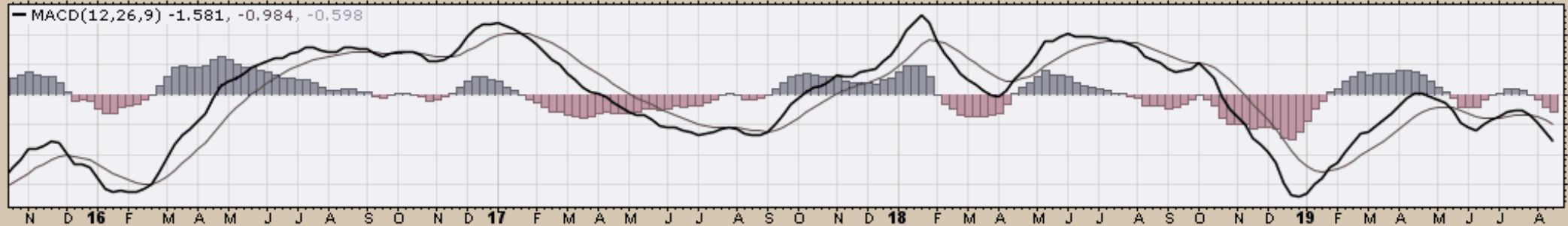


CHART C6. ENERGY SECTOR, WEEKLY CHART

XLE (Weekly) 55.96
BB(20,2,0) 56.30 - 62.12 - 67.94
PIVOTS 38.69, 48.78, 62.56, 72.64, 86.42
Volume 69.17M, EMA(50) 72.17M



▲ CMF(20) 0.233

XLU (Weekly) 61.48
BB(20,2,0) 56.59 - 59.45 - 62.32
PIVOTS 40.22, 46.09, 50.96, 56.83, 61.70
Volume 80.21M, EMA(50) 84.53M

CHART C7. UTILITIES SECTOR, WEEKLY CHART

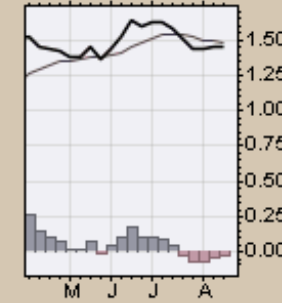
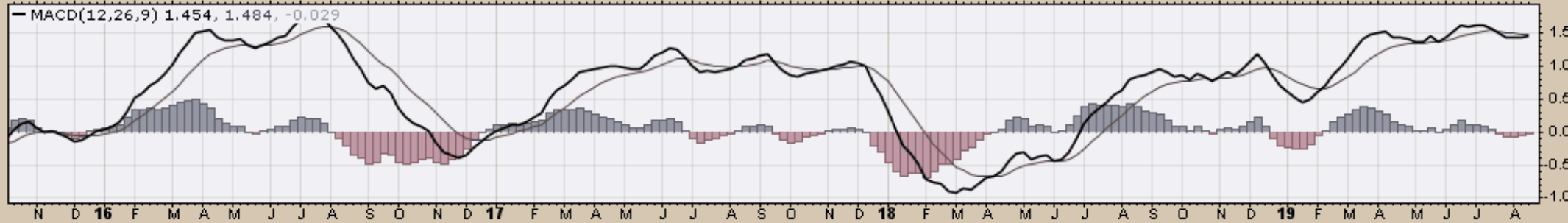
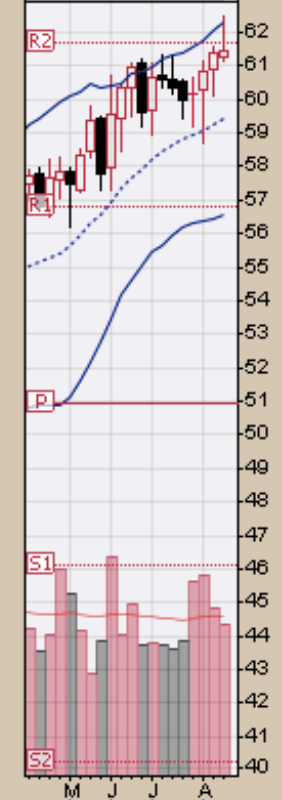
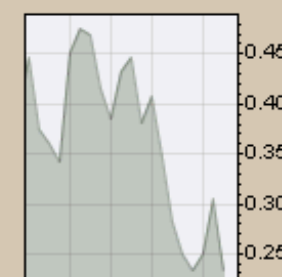
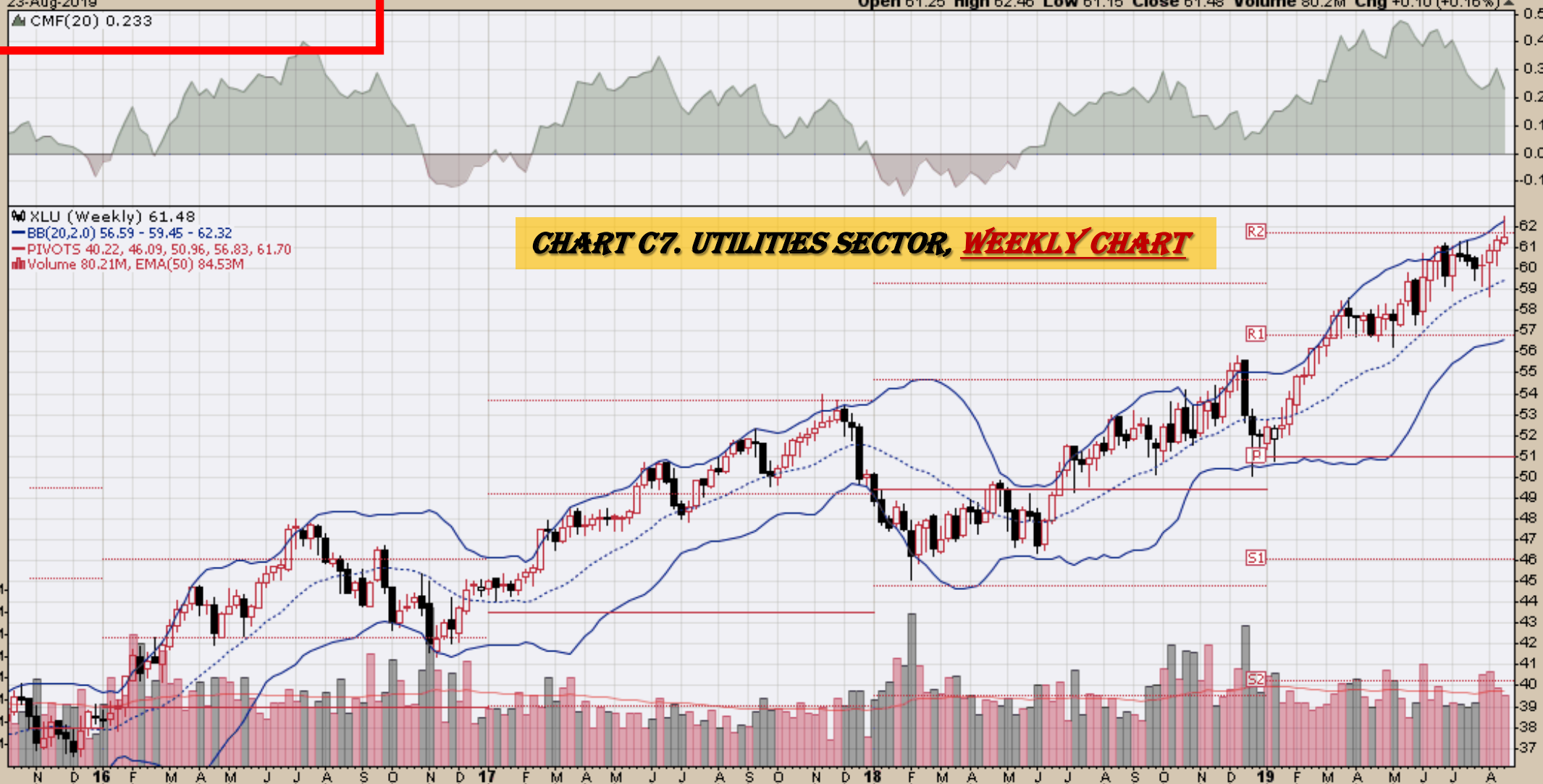


CHART C8. CONSUMER STAPLES SECTOR, WEEKLY CHART

XLP (Weekly) 59.62
— BB(20,2,0) 55.13 - 58.19 - 61.24
— PIVOTS 41.85, 46.22, 51.36, 55.73, 60.87
■ Volume 63.30M, EMA(50) 70.79M

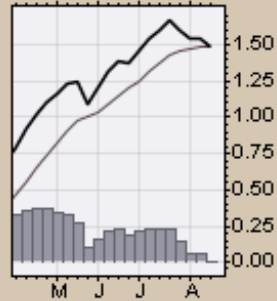
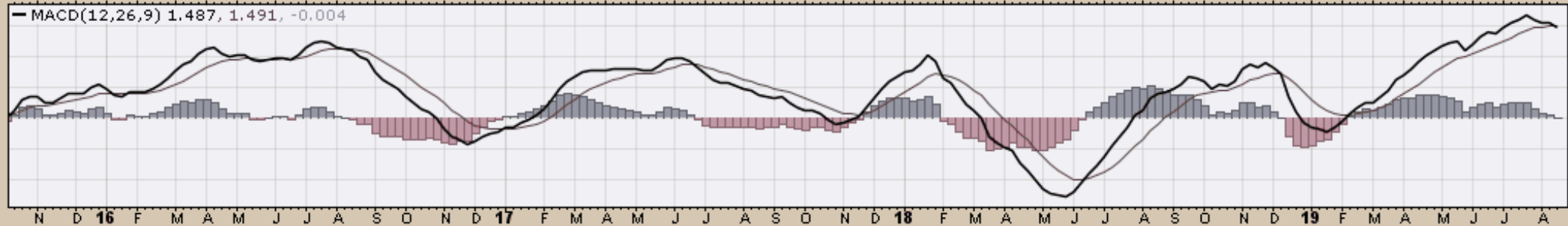
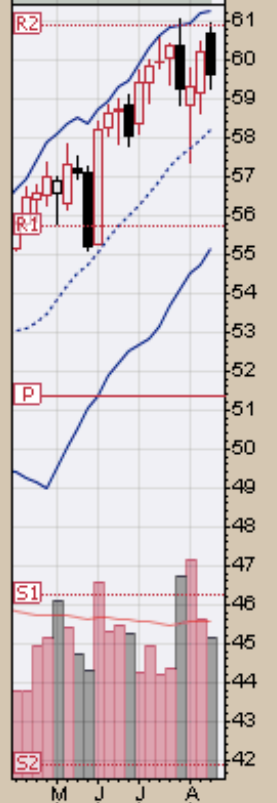
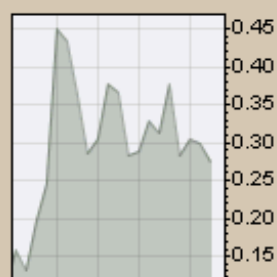
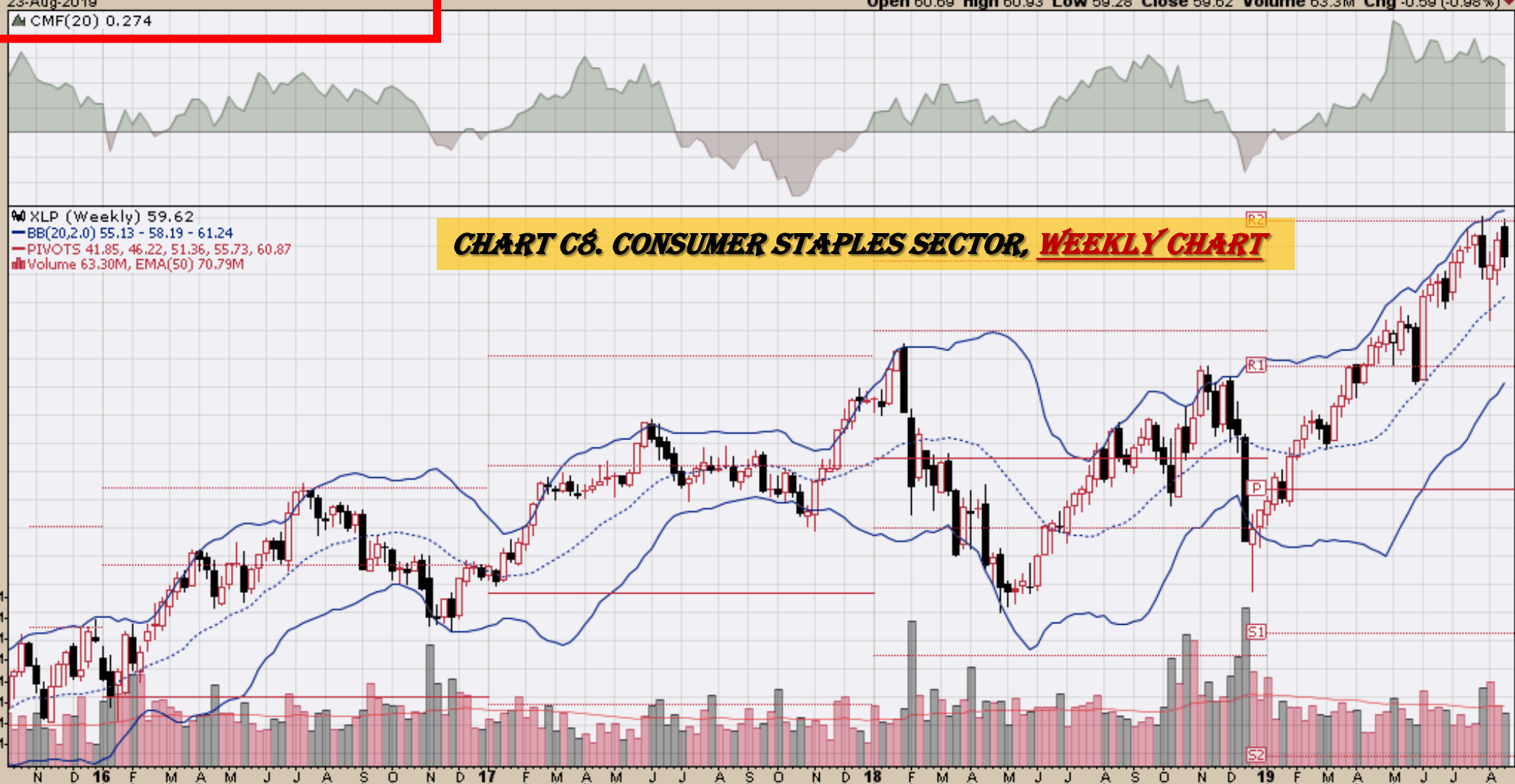
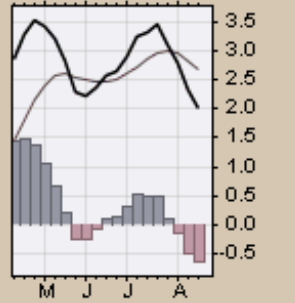
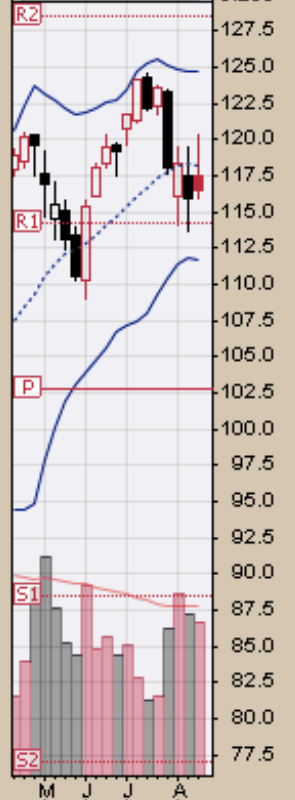
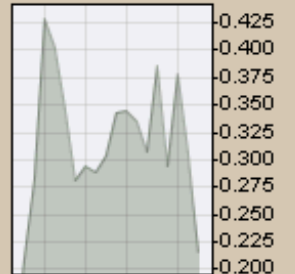
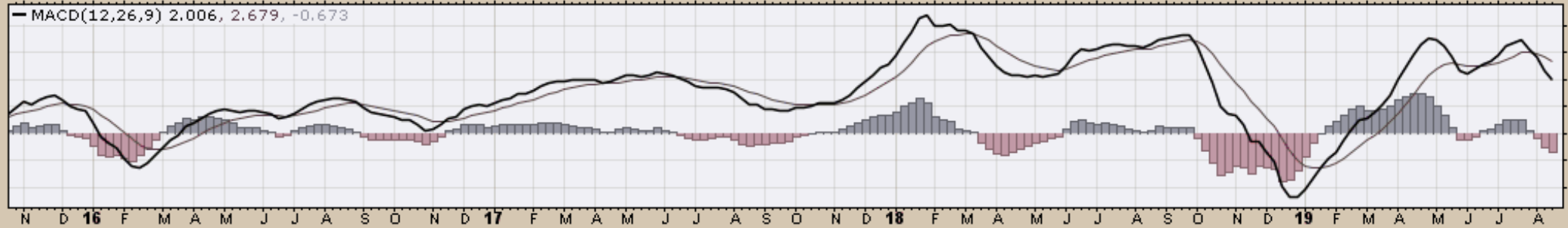
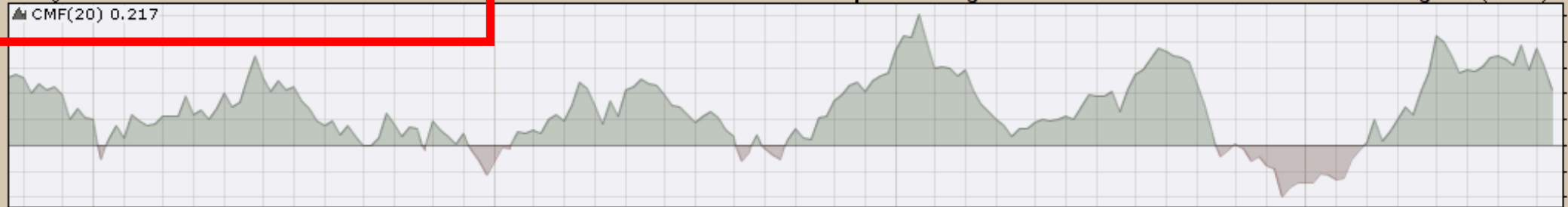


CHART C9. CONSUMER DISCRETIONARY SECTOR, WEEKLY CHART

XLY (Weekly) 116.49
— BB(20,2.0) 111.76 - 118.26 - 124.75
— PIVOTS 76.94, 88.54, 102.70, 114.30, 128.47
■ Volume 21.56M, EMA(50) 24.00M



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

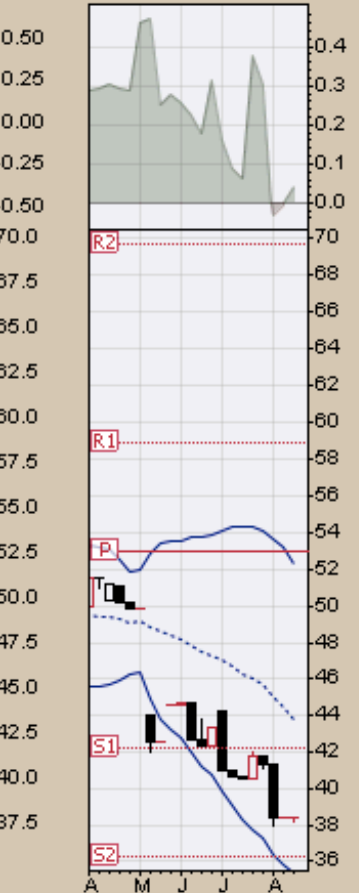
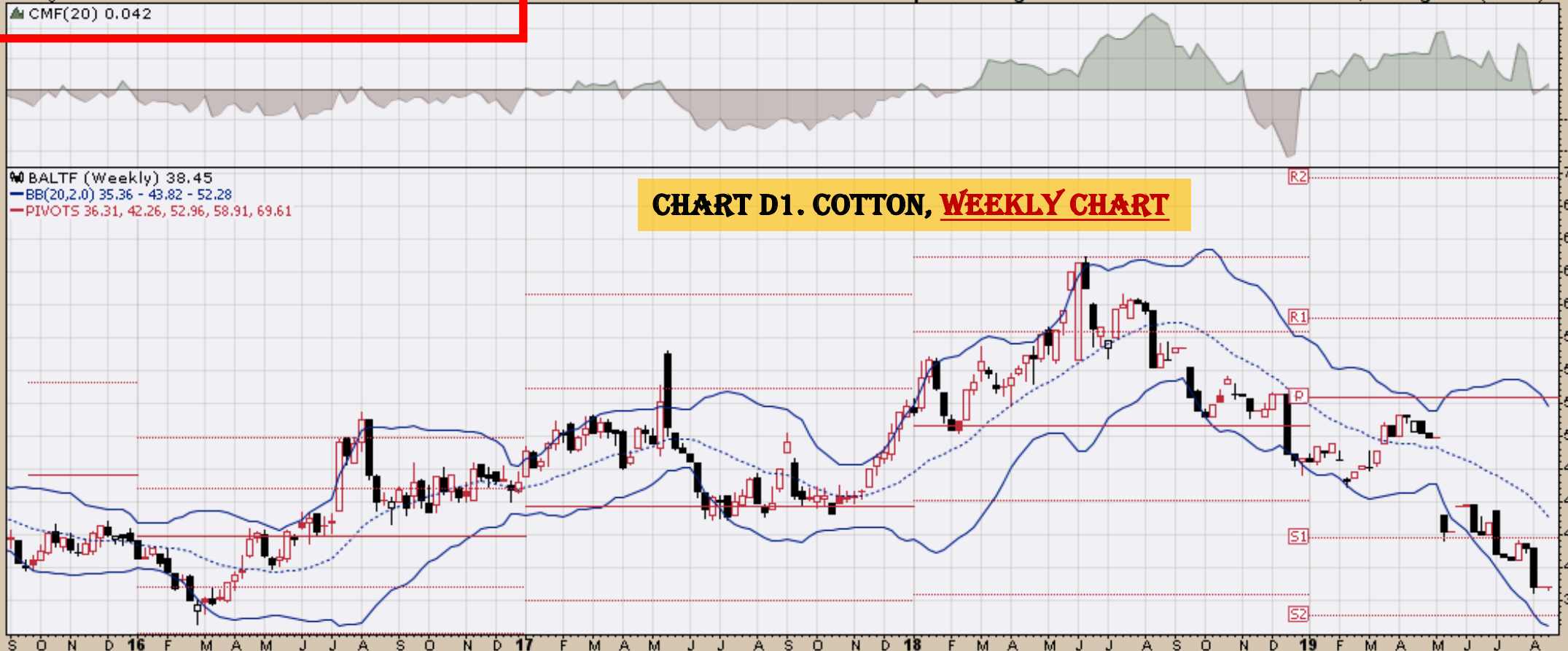
- Chart D18. Lead, Weekly Chart
- Chart D19. Lithium, Weekly Chart
- Chart D20. Cocoa, Weekly Chart
- Chart D21. Palladium, Weekly Chart
- Chart D22. Platinum, Weekly Chart
- Chart D23. Sugar, Weekly Chart
- Chart D24. Silver, Weekly Chart
- Chart D25. Soybeans, Weekly Chart
- Chart D26. Gasoline, Weekly 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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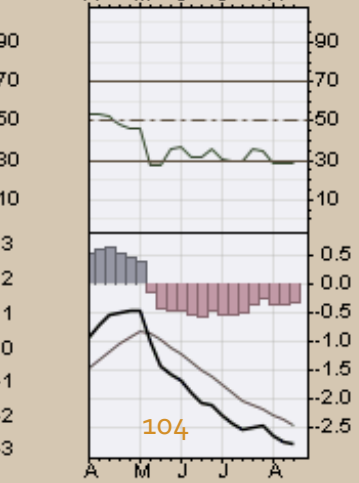
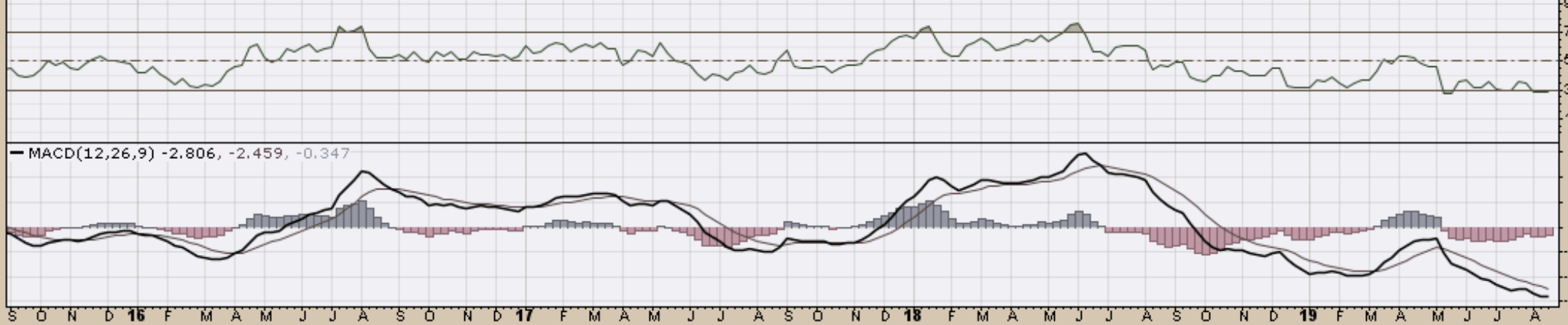
▲ CMF(20) 0.042

● BALTF (Weekly) 38.45
— BB(20,2,0) 35.36 - 43.82 - 52.28
— PIVOTS 36.31, 42.26, 52.96, 58.91, 69.61

CHART D1. COTTON, WEEKLY CHART



▲ RSI(14) 28.49



— MACD(12,26,9) -2.806, -2.459, -0.347

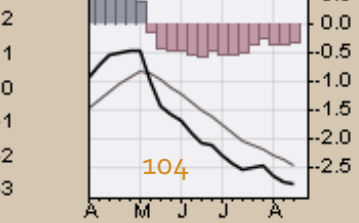
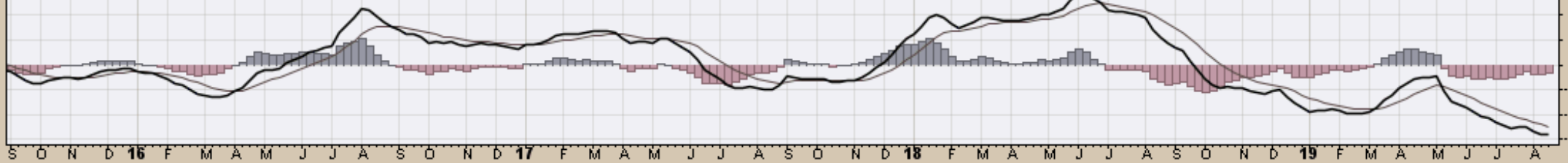


CHART D2. BRENT OIL, WEEKLY CHART

▲ BNO (Weekly) 17.56
— BB(20,2,0) 16.93 - 19.08 - 21.23
— PIVOTS 8.56, 12.37, 18.39, 22.20, 28.22

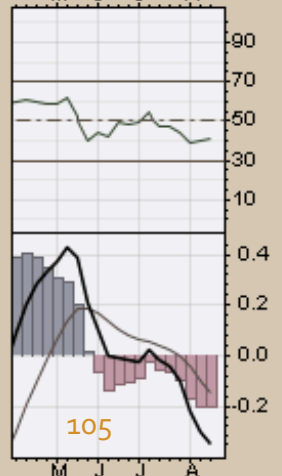
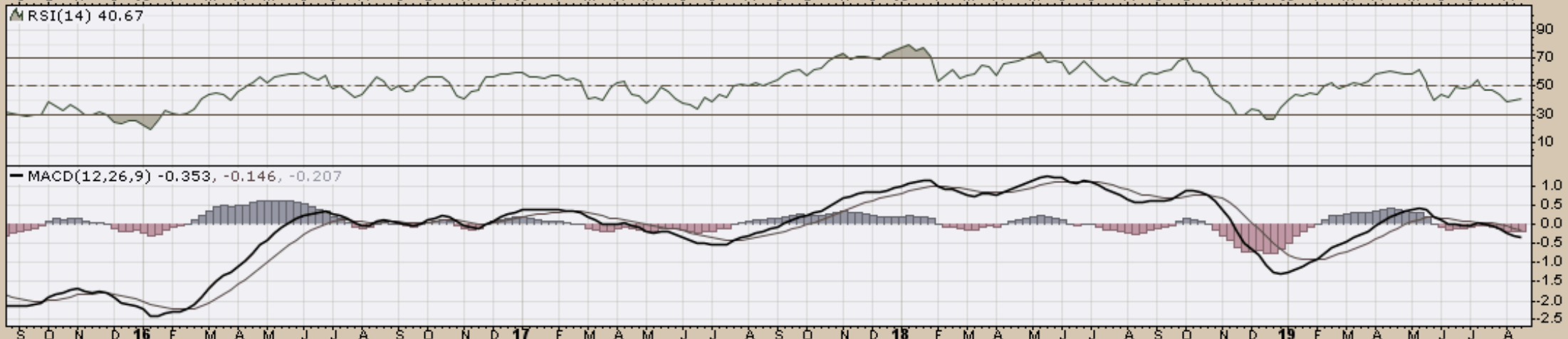
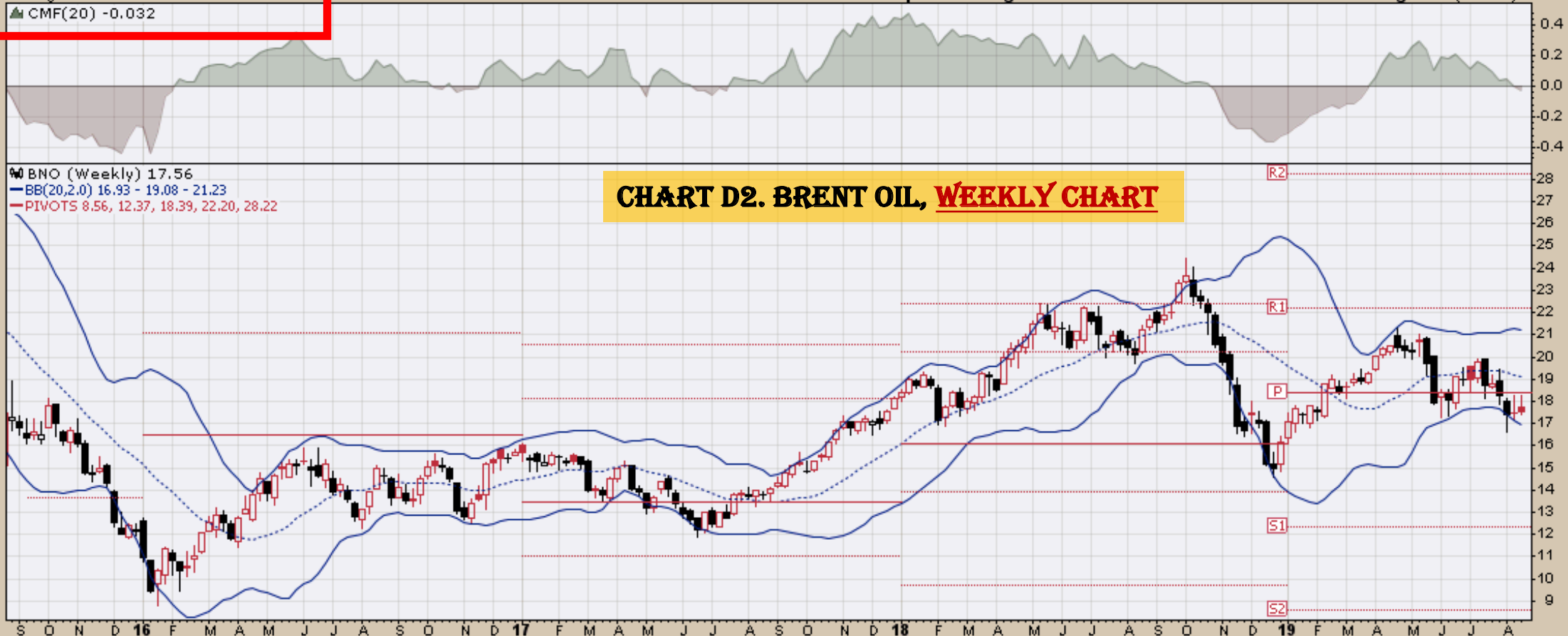
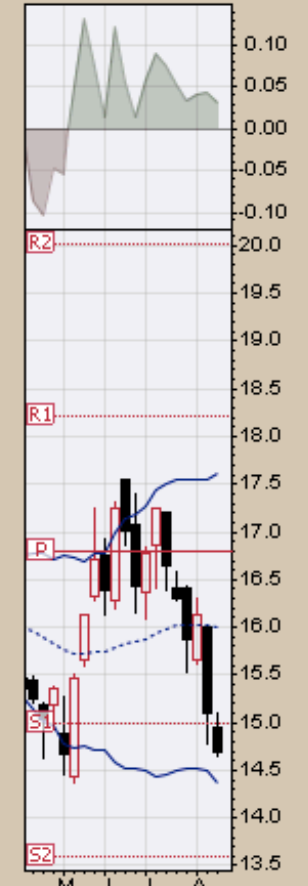


CHART D3. CORN, WEEKLY CHART

▲ CORN (Weekly) 14.70
— BB(20,2,0) 14.38 - 15.99 - 17.61
— PIVOTS 13.59, 14.99, 16.80, 18.20, 20.01



▲ RSI(14) 38.15

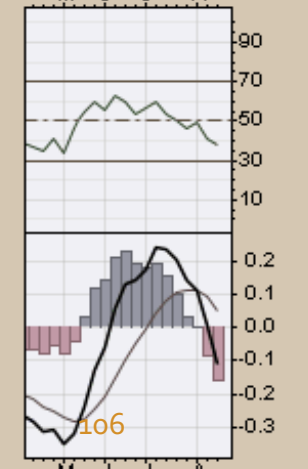
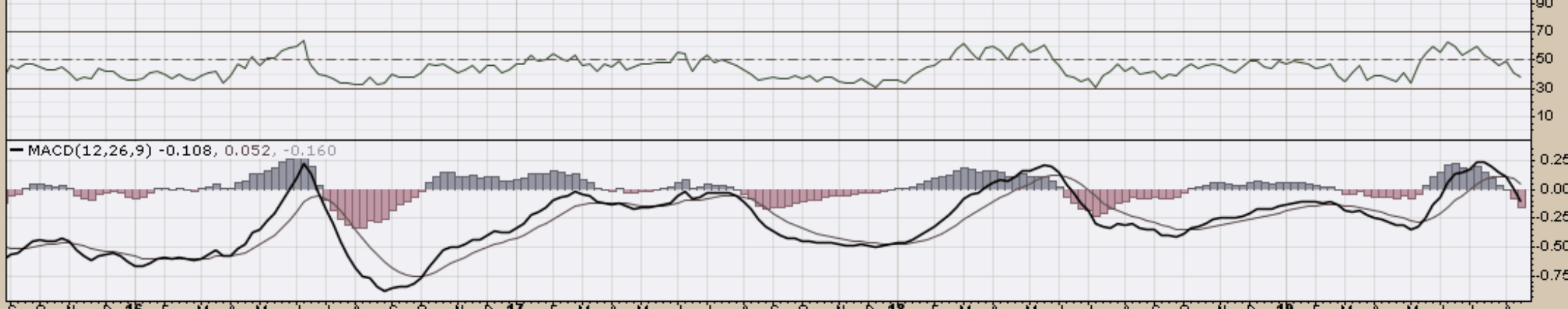
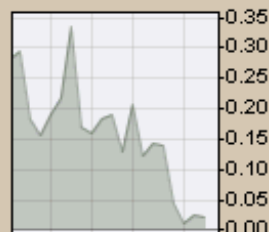


CHART D4. LIVESTOCK, WEEKLY CHART

▲ COWTF (Weekly) 20.00
— BB(20,2,0) 19.29 - 22.49 - 25.70
— PIVOTS 17.67, 20.26, 22.21, 24.80, 26.75



▲ RSI(14) 37.14

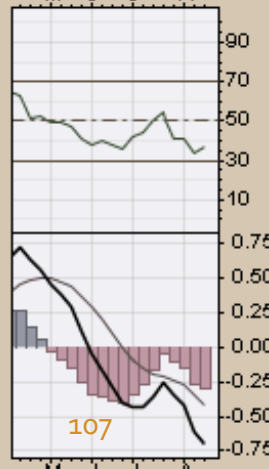
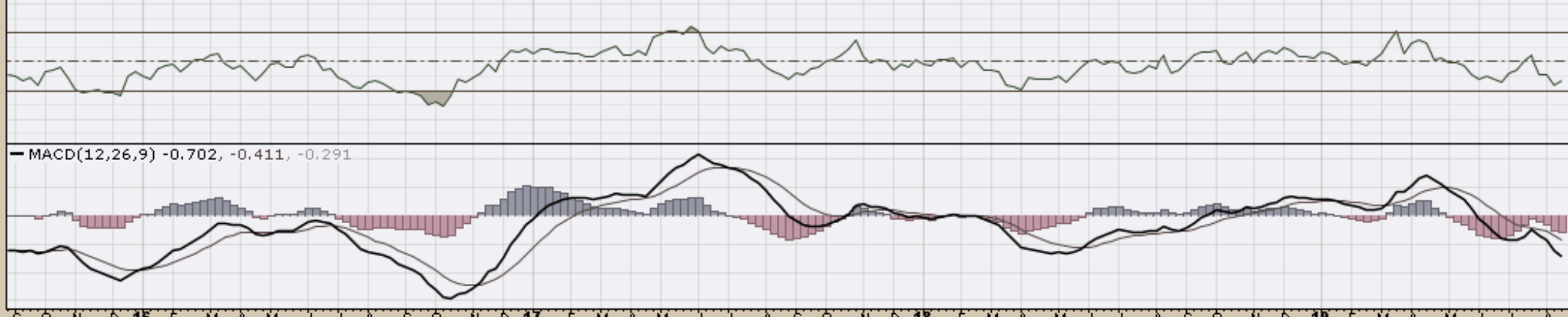
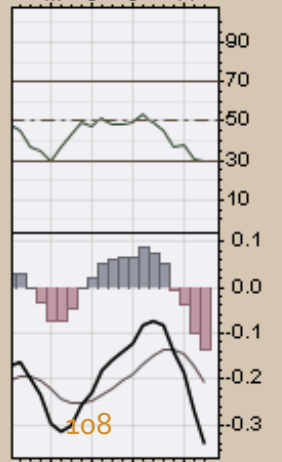
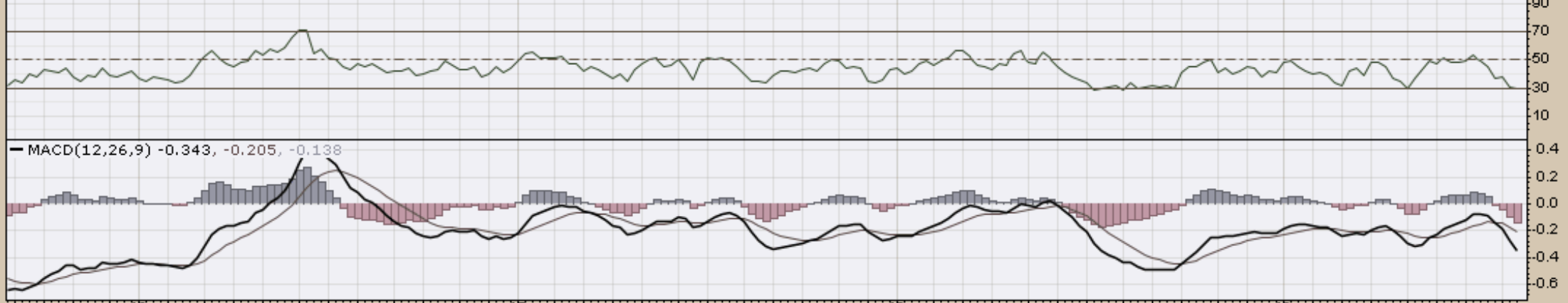


CHART D5. AGRICULTURE, WEEKLY CHART

DBA (Weekly) 14.94
— BB(20,2.0) 15.12 - 16.23 - 17.34
— PIVOTS 14.84, 15.89, 17.68, 18.73, 20.52



▲ RSI(14) 29.75



— MACD(12,26,9) -0.343, -0.205, -0.138

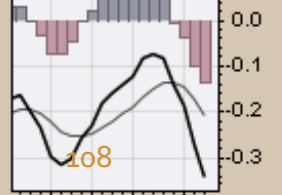
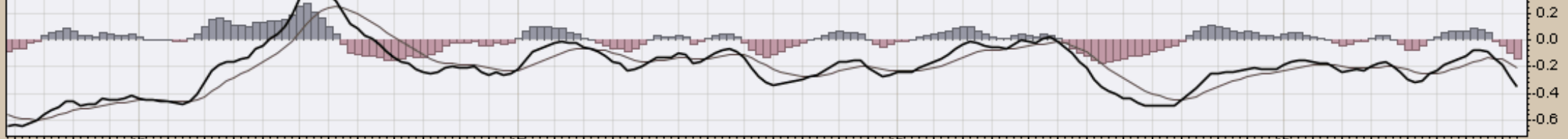
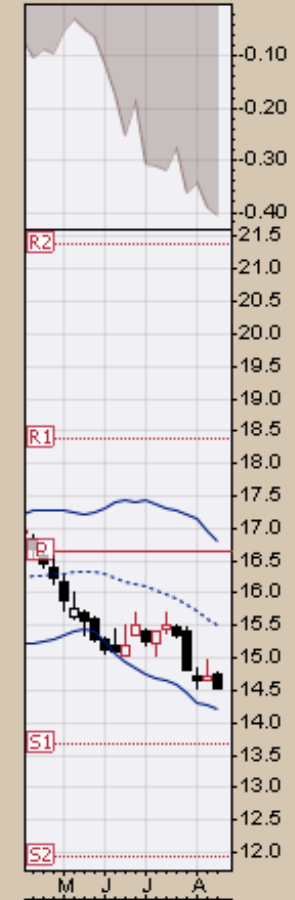
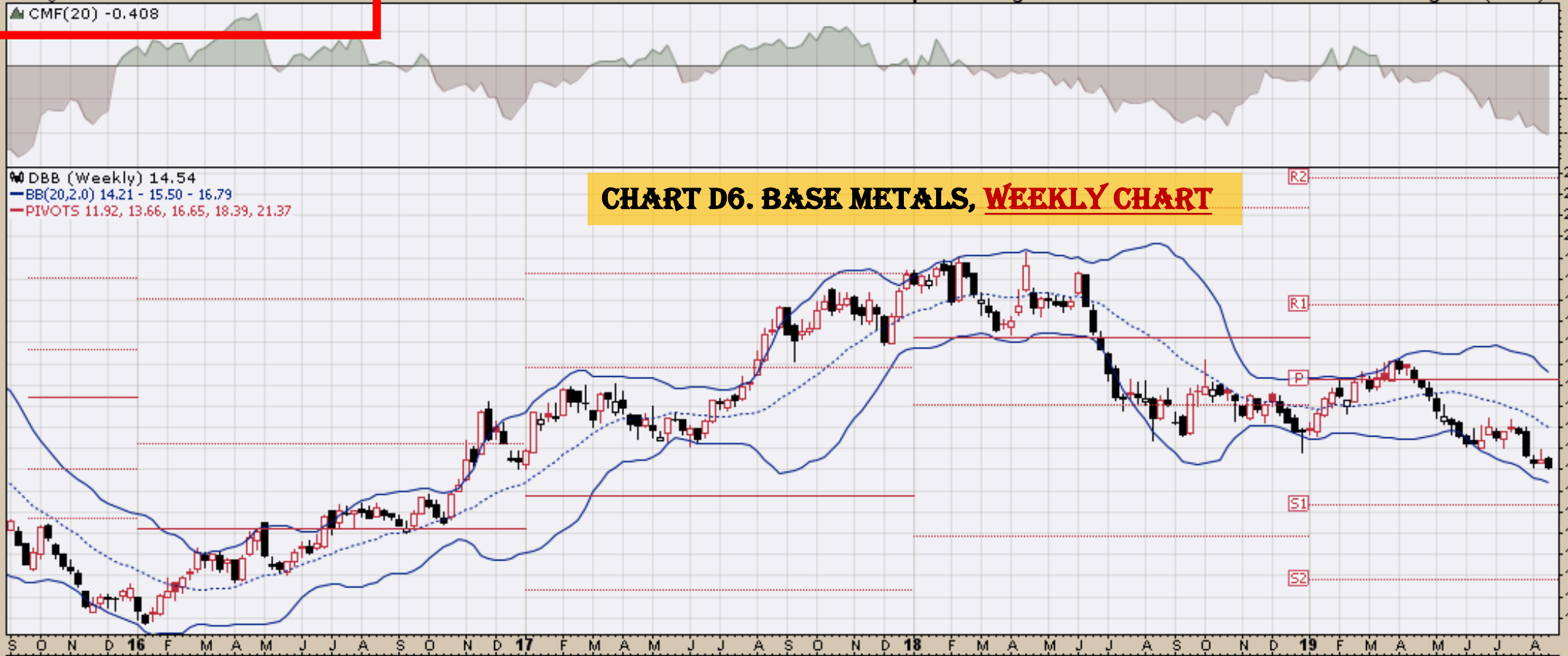
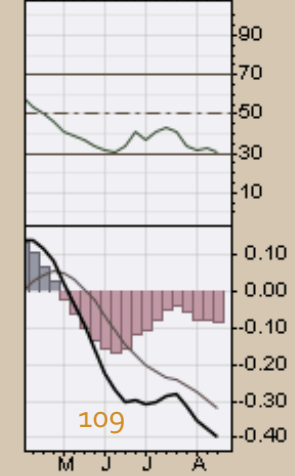
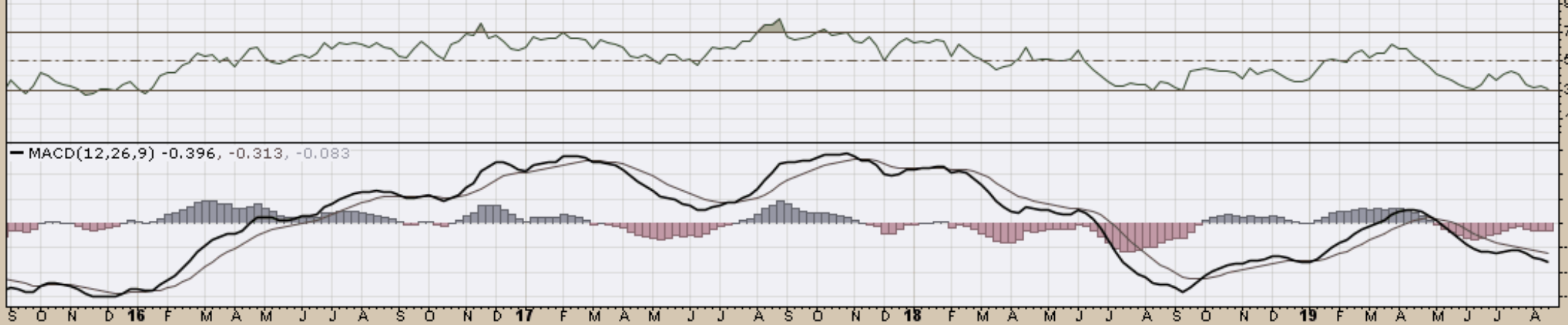


CHART D6. BASE METALS, WEEKLY CHART

DBB (Weekly) 14.54
— BB(20,2,0) 14.21 - 15.50 - 16.79
— PIVOTS 11.92, 13.66, 16.65, 18.39, 21.37



▲ RSI(14) 31.00



— MACD(12,26,9) -0.396, -0.313, -0.083

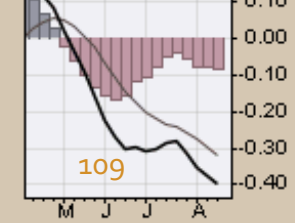
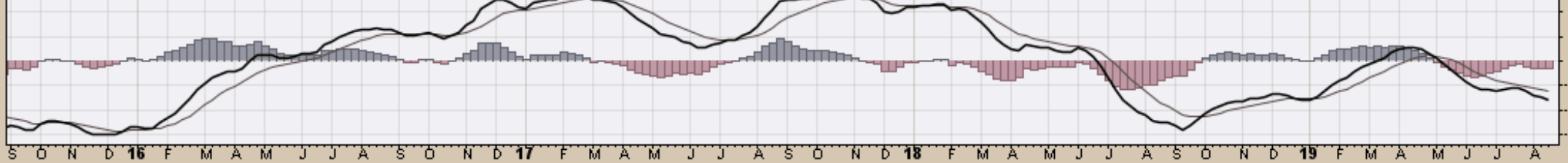


CHART D7. COMMODITY INDEX, WEEKLY CHART

▲ DBC (Weekly) 14.81
— BB(20,2.0) 14.68 - 15.56 - 16.43
— PIVOTS 11.77, 13.31, 15.86, 17.40, 19.95

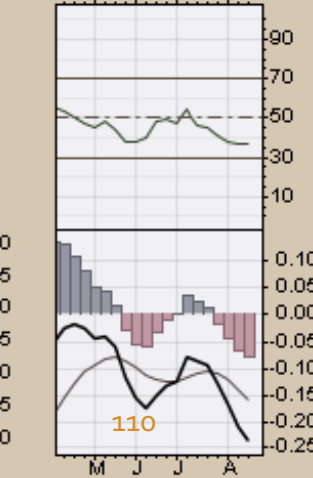
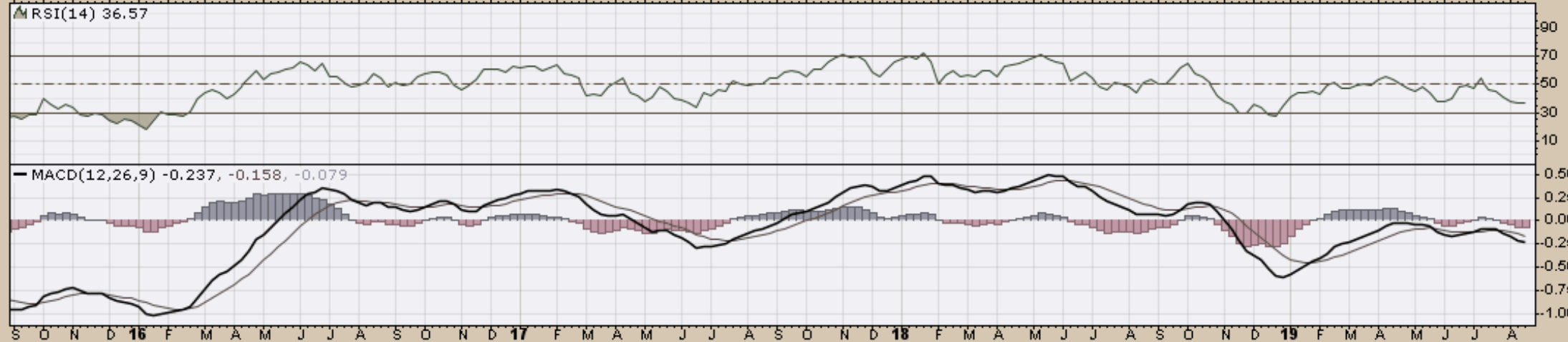
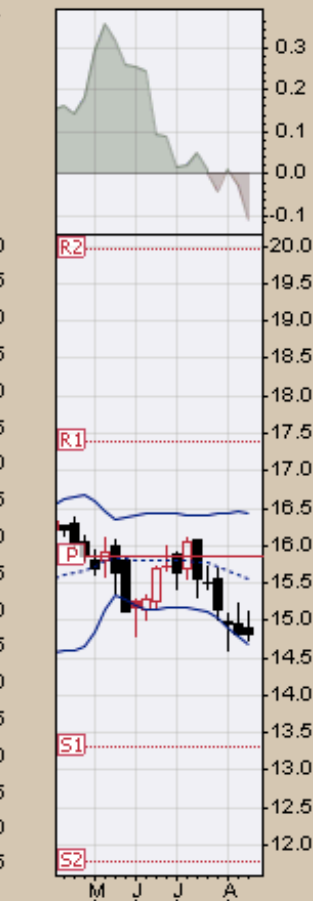
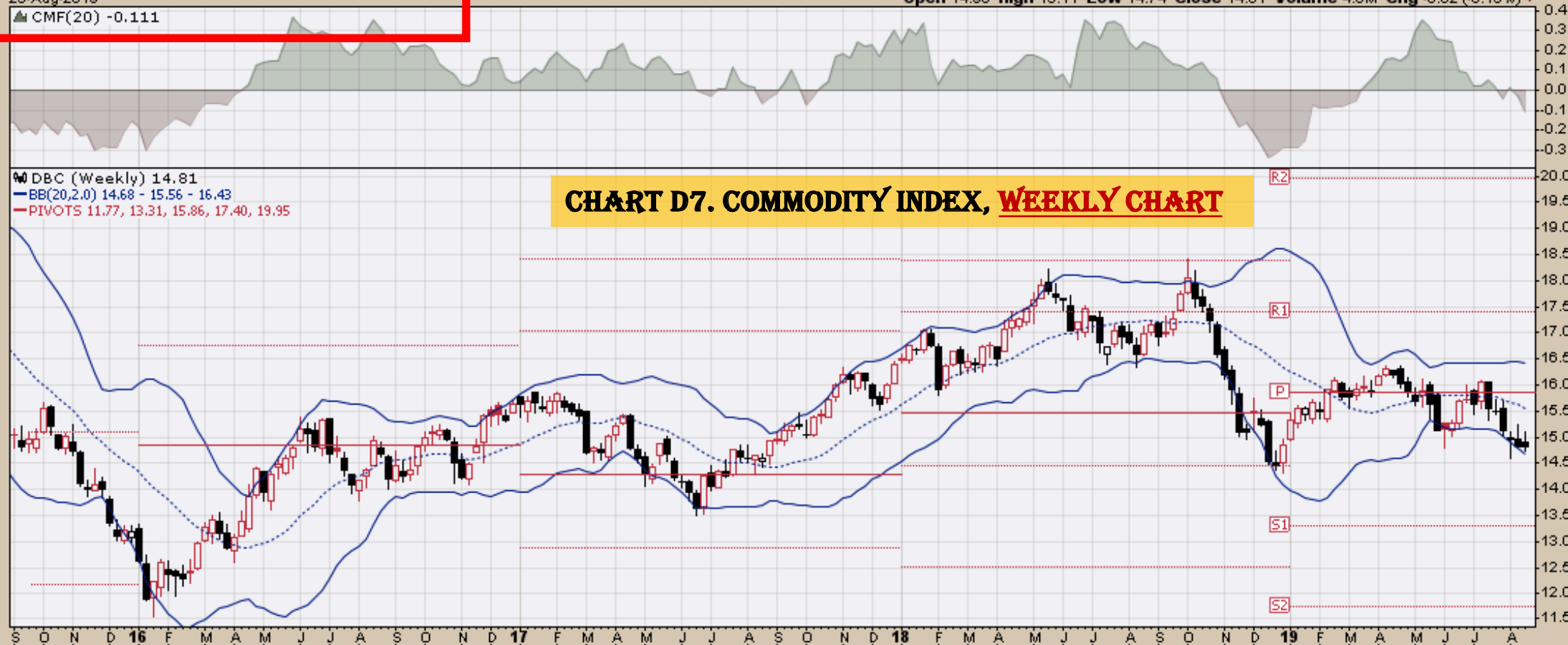
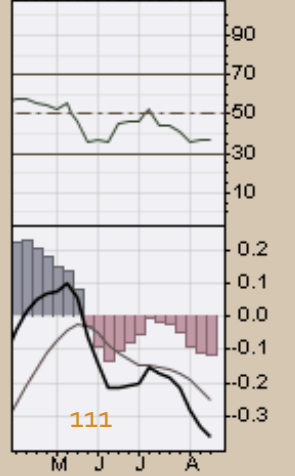
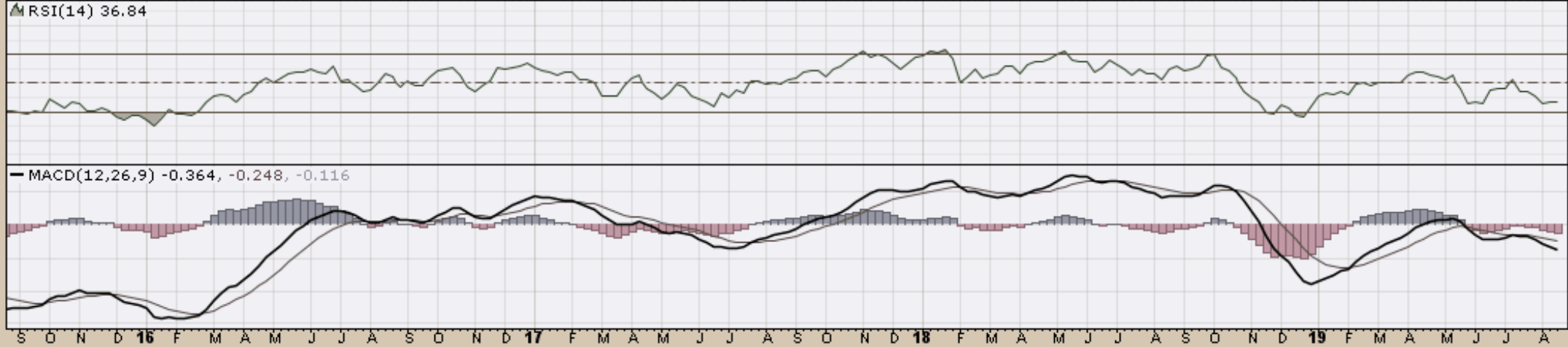
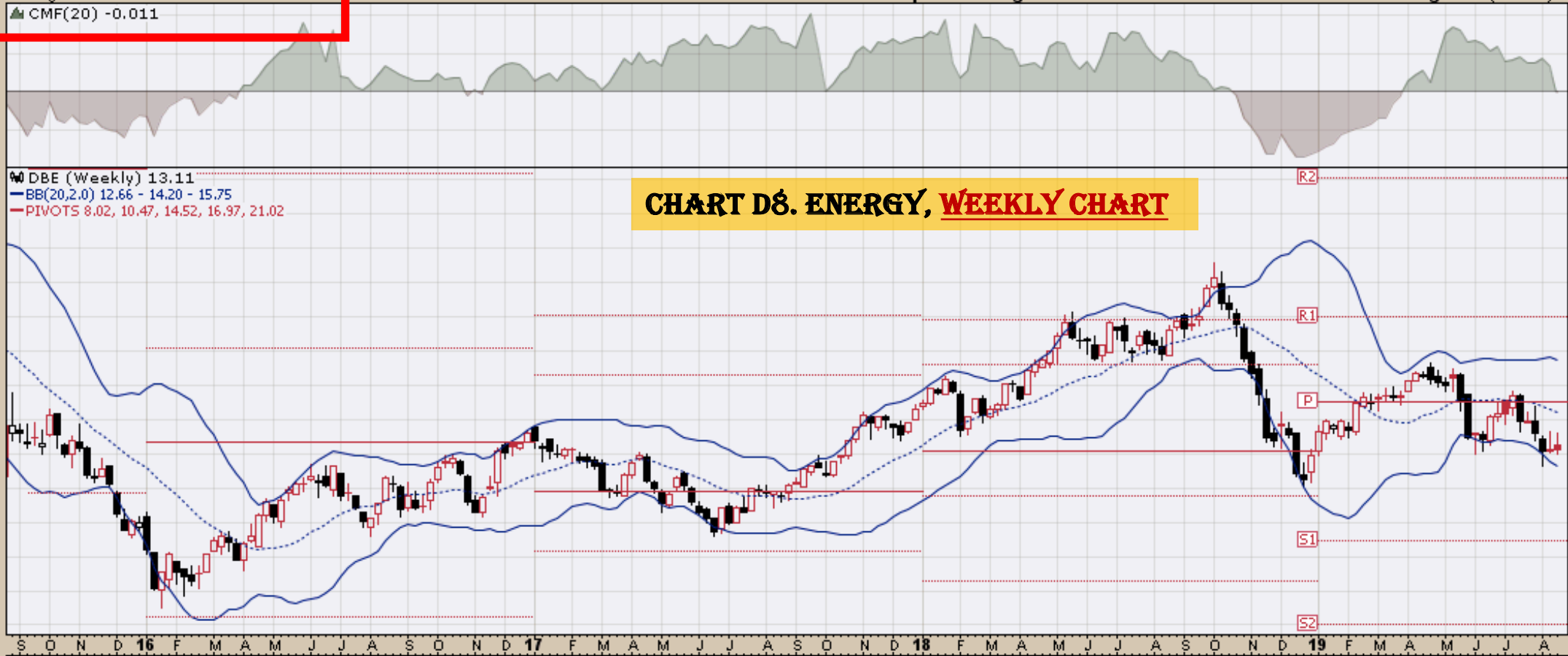


CHART D8. ENERGY, WEEKLY CHART

DBE (Weekly) 13.11
BB(20,2,0) 12.66 - 14.20 - 15.75
PIVOTS 8.02, 10.47, 14.52, 16.97, 21.02



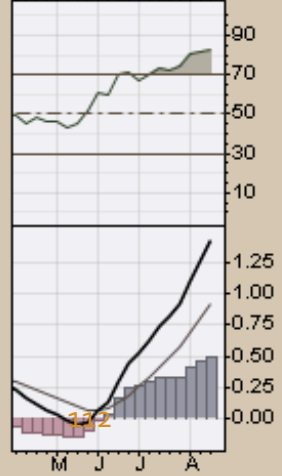
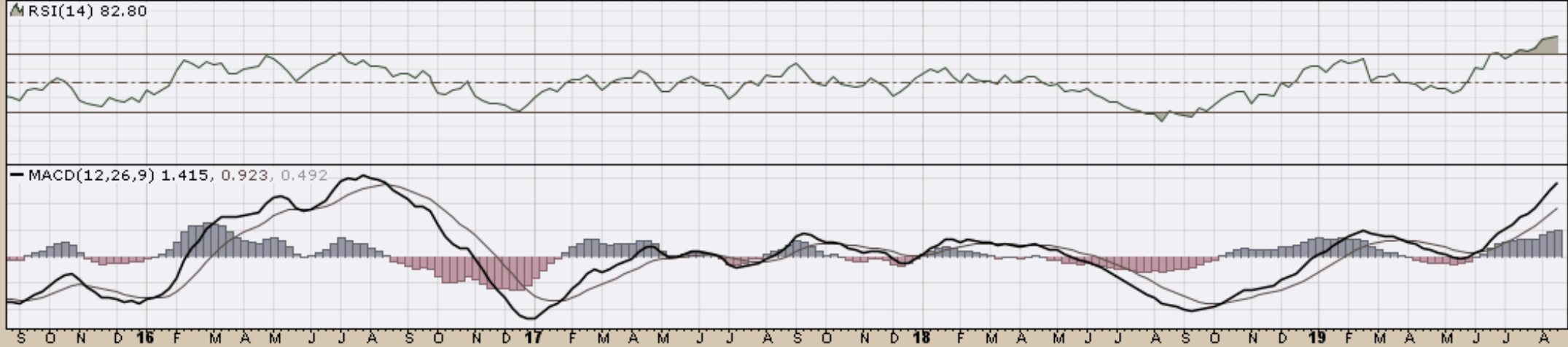
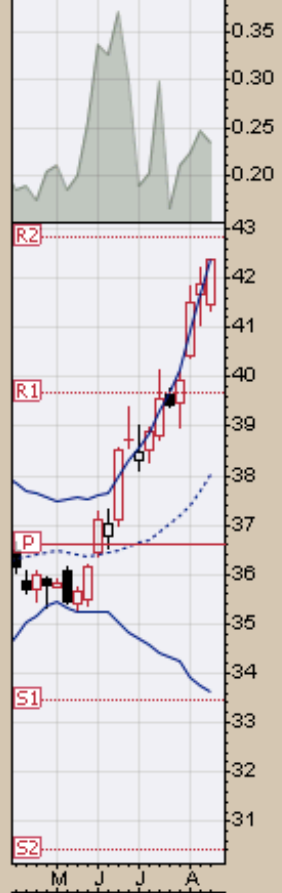
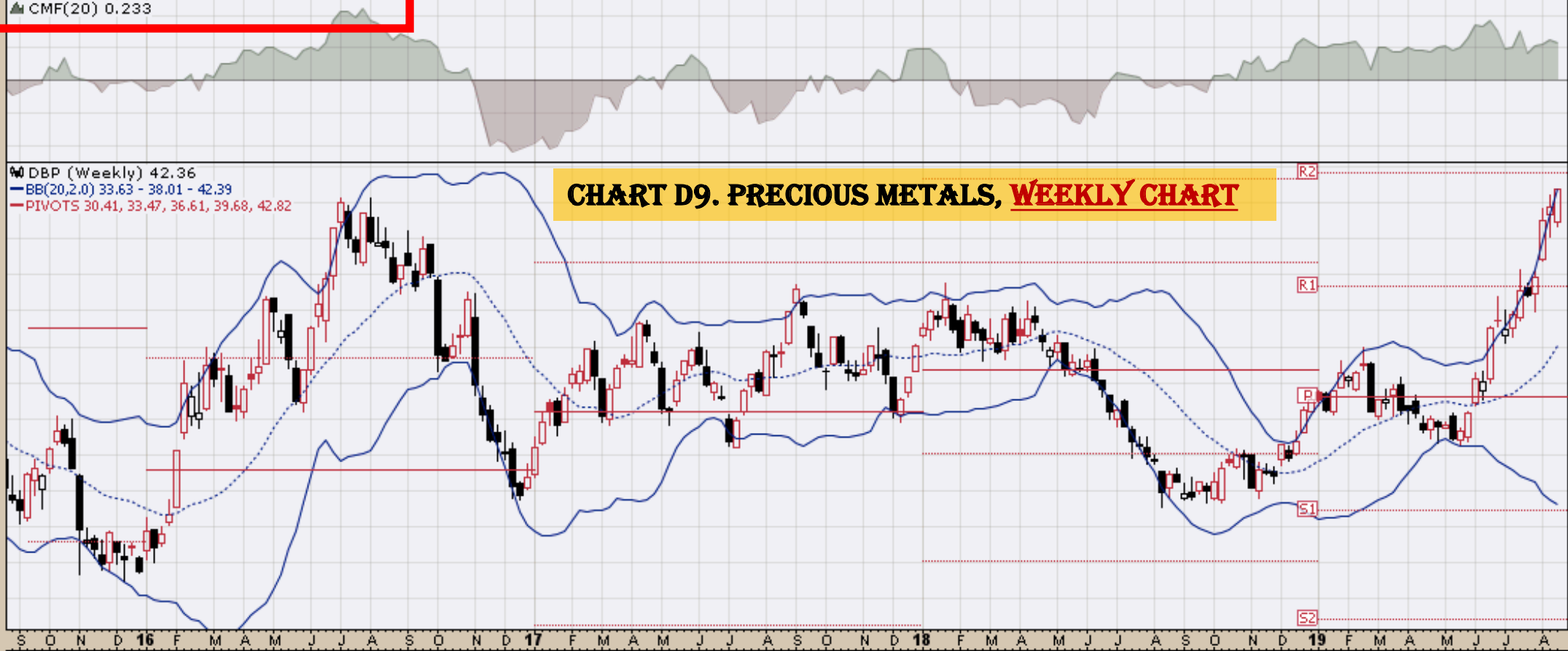
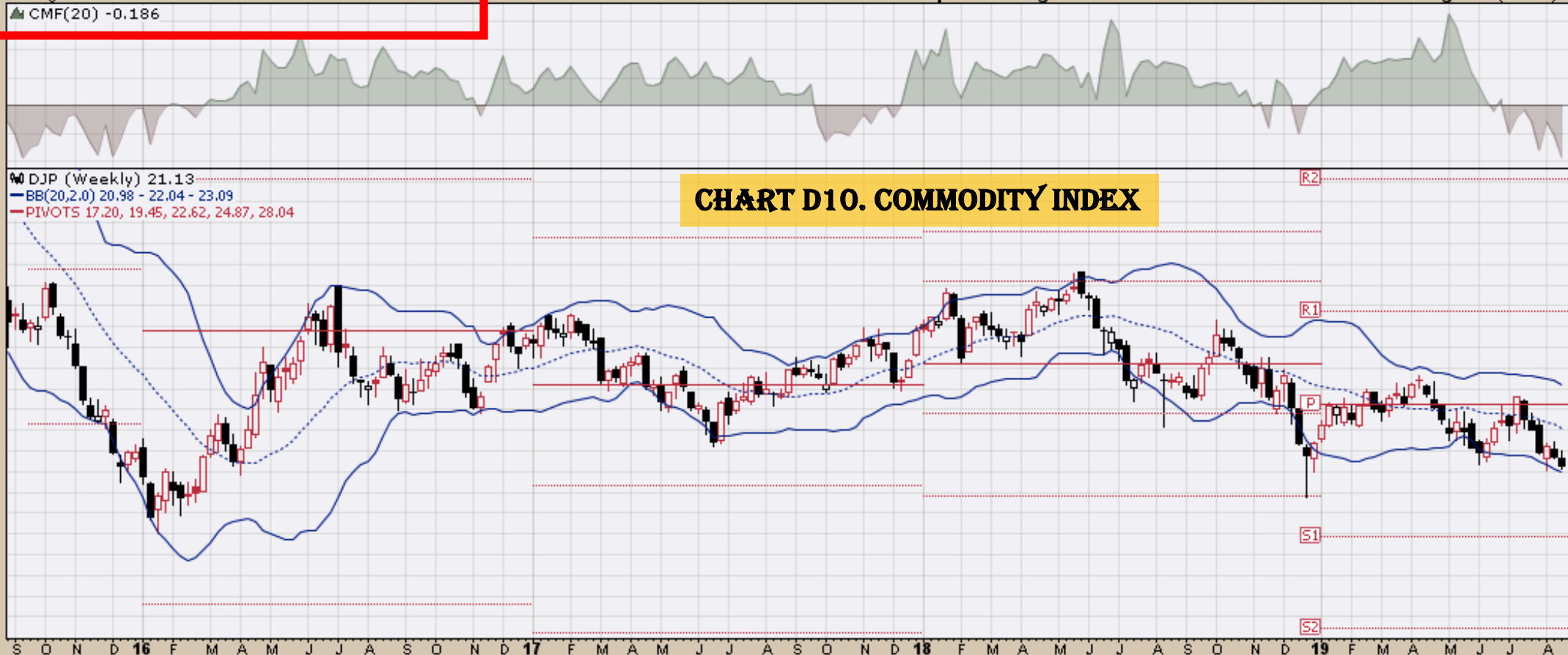
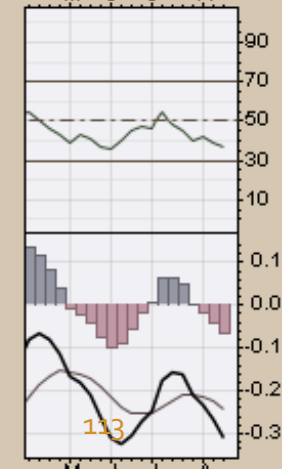
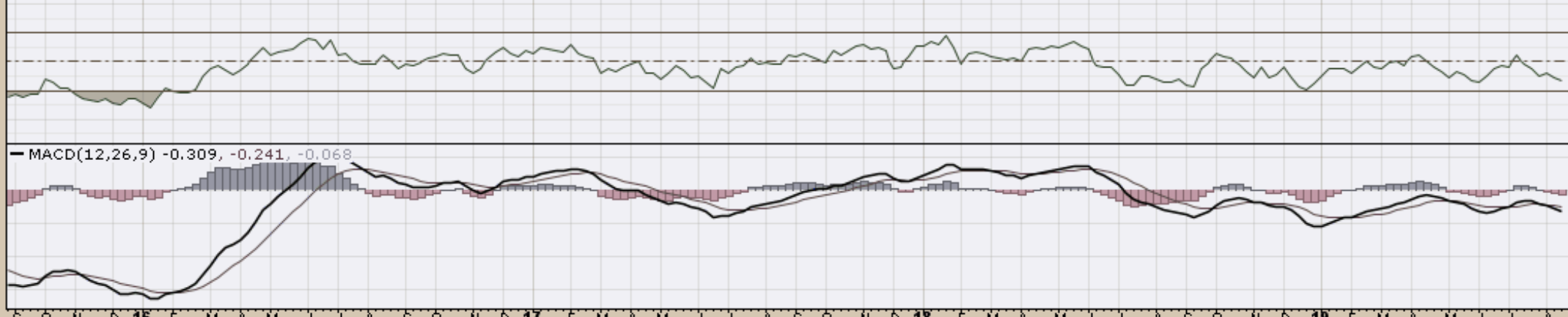


CHART D10. COMMODITY INDEX

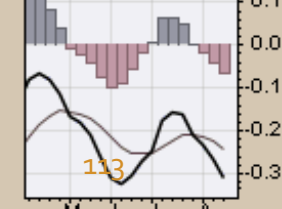
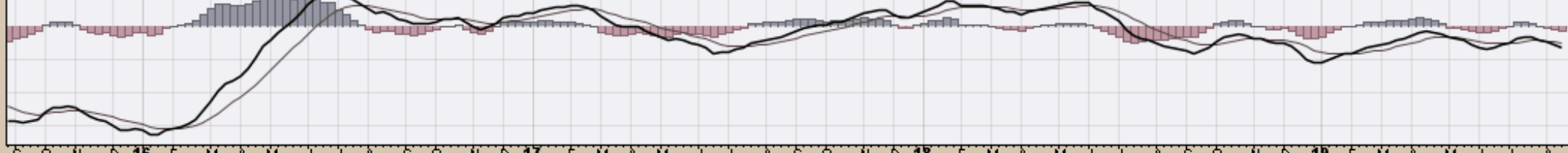
▲ DJP (Weekly) 21.13
— BB(20,2.0) 20.98 - 22.04 - 23.09
— PIVOTS 17.20, 19.45, 22.62, 24.87, 28.04



▲ RSI(14) 37.33



— MACD(12,26,9) -0.309, -0.241, -0.068



GLD (Weekly) 144.17
— BB(20,2,0) 113.82 - 129.36 - 144.90
— PIVOTS 102.22, 111.83, 120.67, 130.28, 139.13

CHART D11. GOLD, WEEKLY CHART

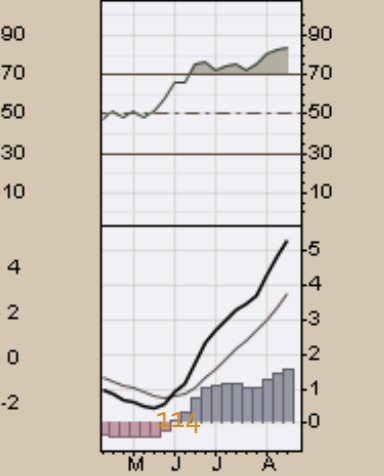
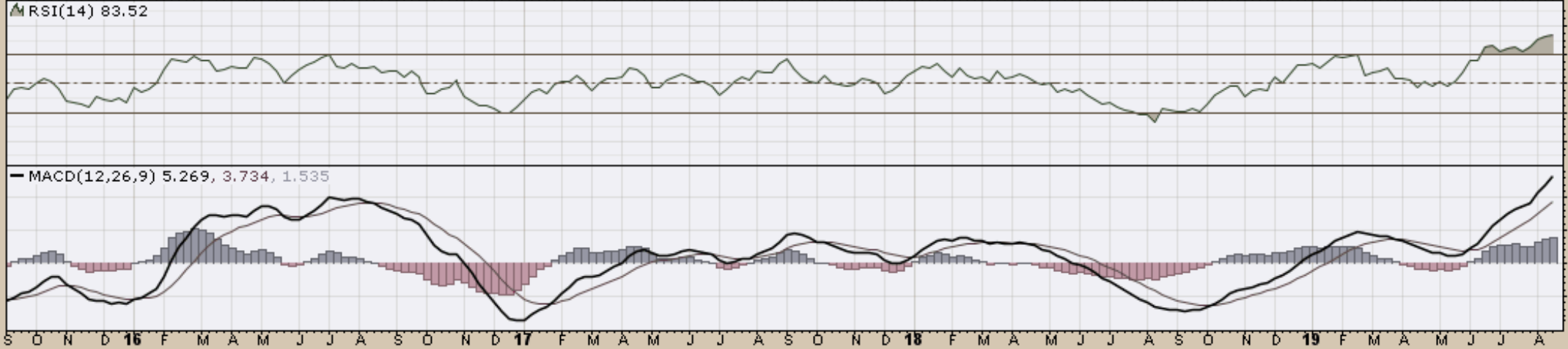
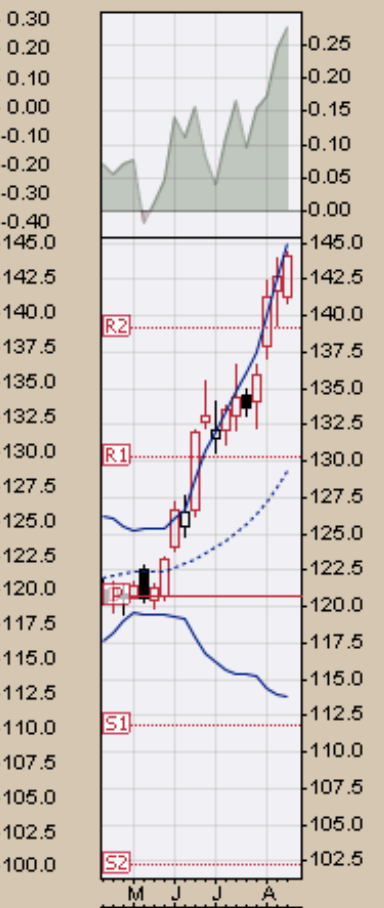
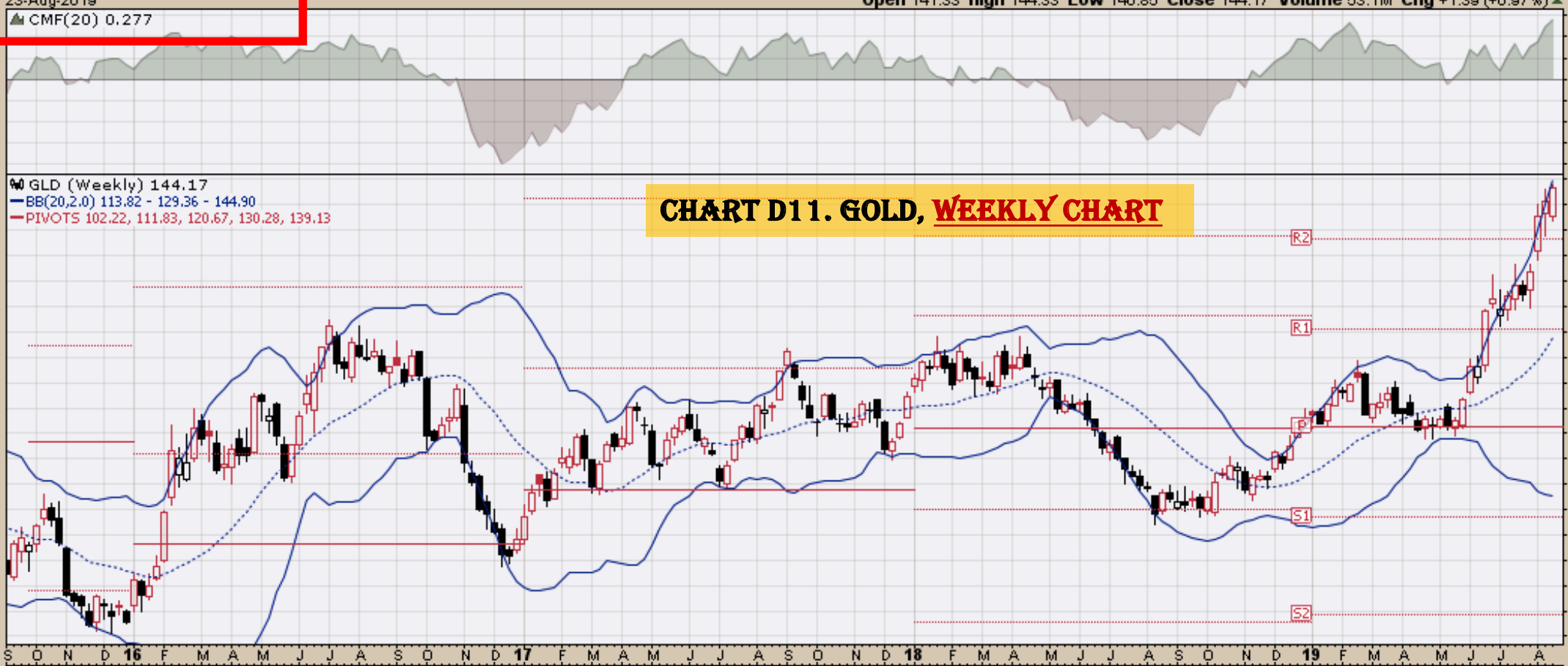
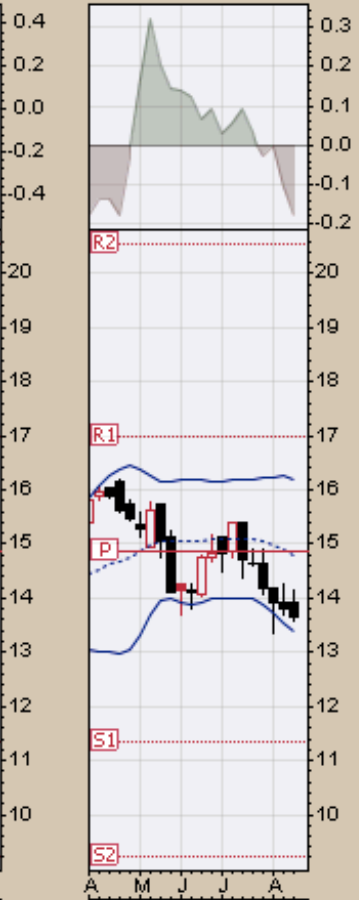
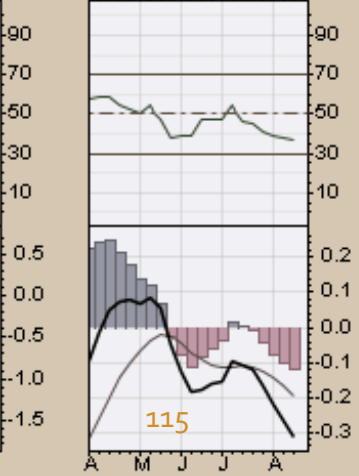
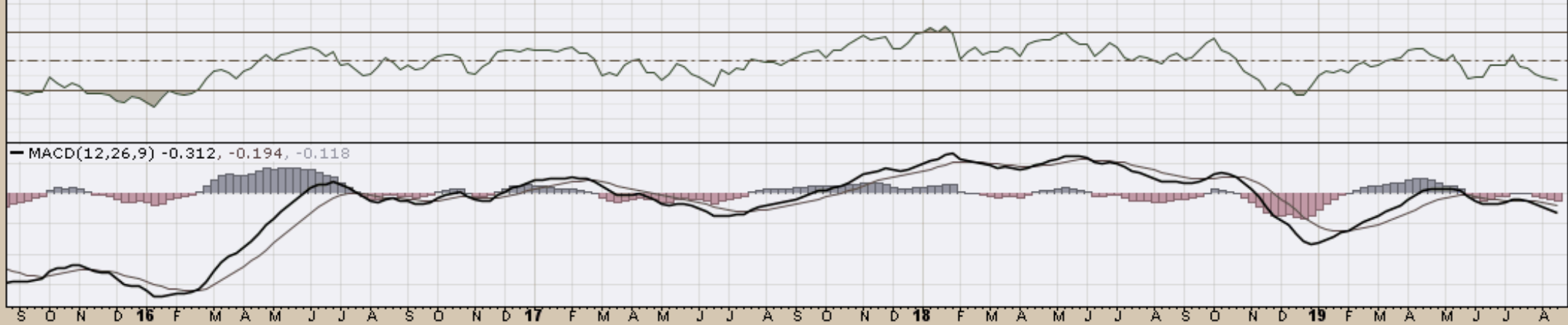


CHART D12. GOLDMAN SACHS TOTAL RETURN COMMODITY INDEX, WEEKLY CHART

▲ GSP (Weekly) 13.65
— BB(20,2.0) 13.40 - 14.80 - 16.20
— PIVOTS 9.21, 11.34, 14.87, 17.00, 20.52



▲ RSI(14) 36.55



— MACD(12,26,9) -0.312, -0.194, -0.118

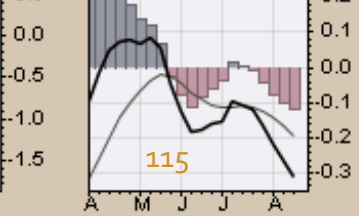
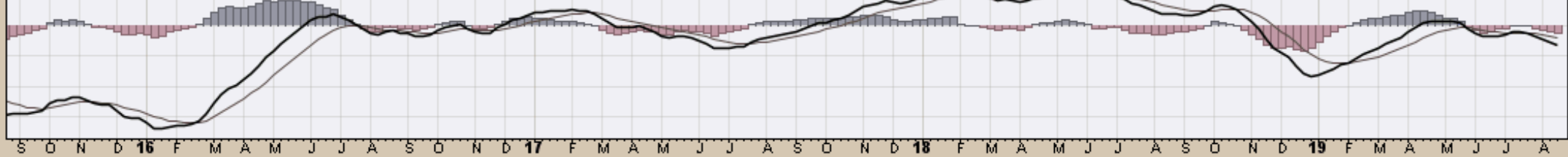


CHART D13. COPPER SUBINDEX, WEEKLY CHART

▲ JJCTF (Weekly) 27.73
— BB(20,2,0) 27.14 - 29.63 - 32.24
— PIVOTS 22.19, 25.57, 31.53, 34.91, 40.87

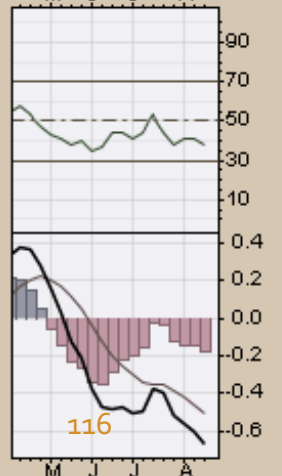
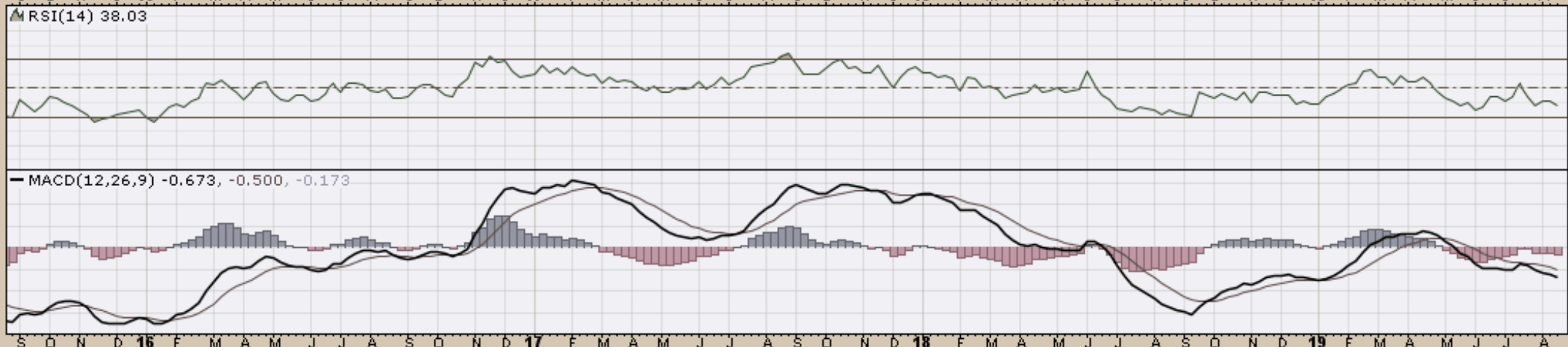
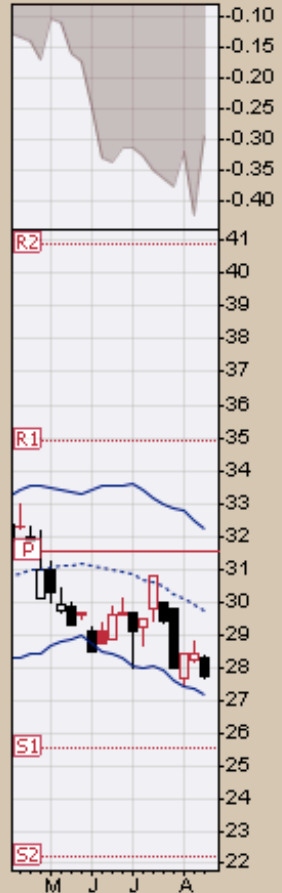
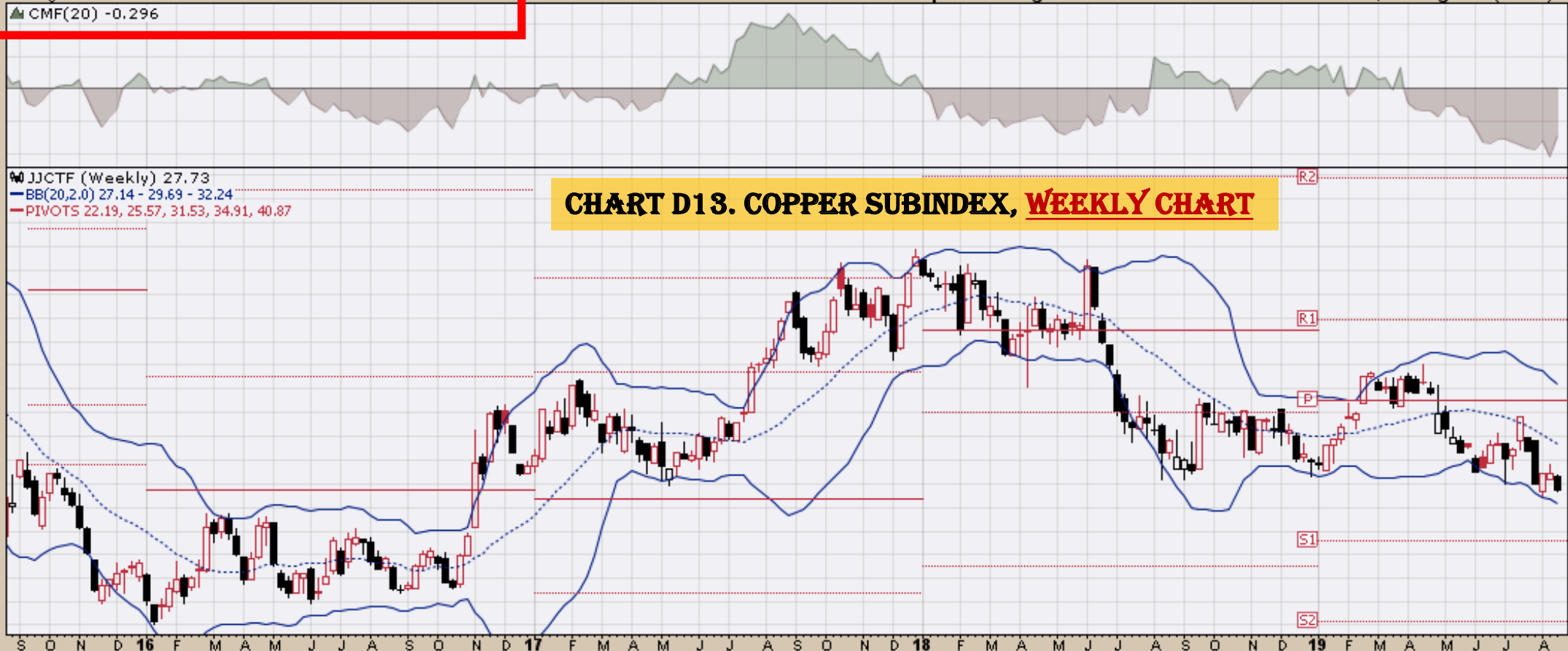
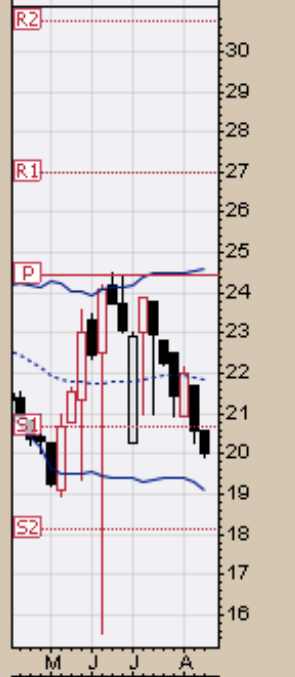
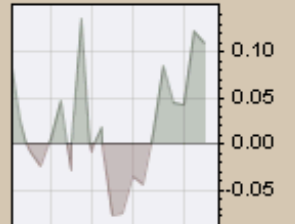
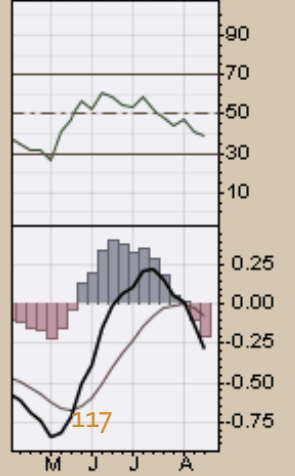
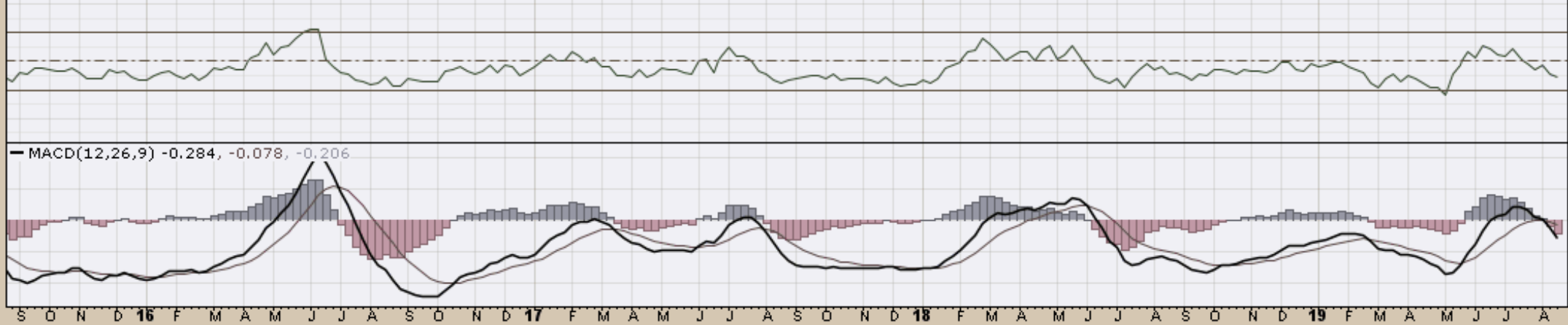


CHART D14. GRAINS, WEEKLY CHART

▲ JJGTF (Weekly) 20.01
— BB(20,2,0) 19.11 - 21.84 - 24.57
— PIVOTS 18.11, 20.69, 24.42, 27.00, 30.73



▲ RSI(14) 38.80



23-Aug-2019

Open 19.41 High 19.74 Low 17.57 Close 19.11 Volume 8,039 Chg -0.69 (-3.48%)

▲ CMF(20) -0.040

%% JJNTF (Weekly) 19.11
— BB(20,2,0) 11.71 - 15.70 - 19.70
— PIVOTS 7.59, 10.25, 14.90, 17.56, 22.21

CHART D15. NICKEL, WEEKLY CHART

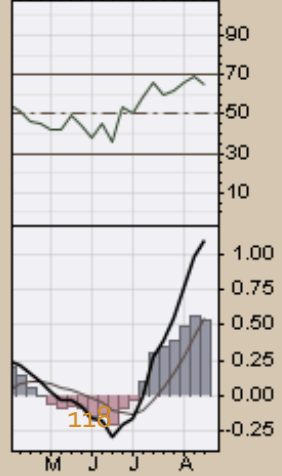
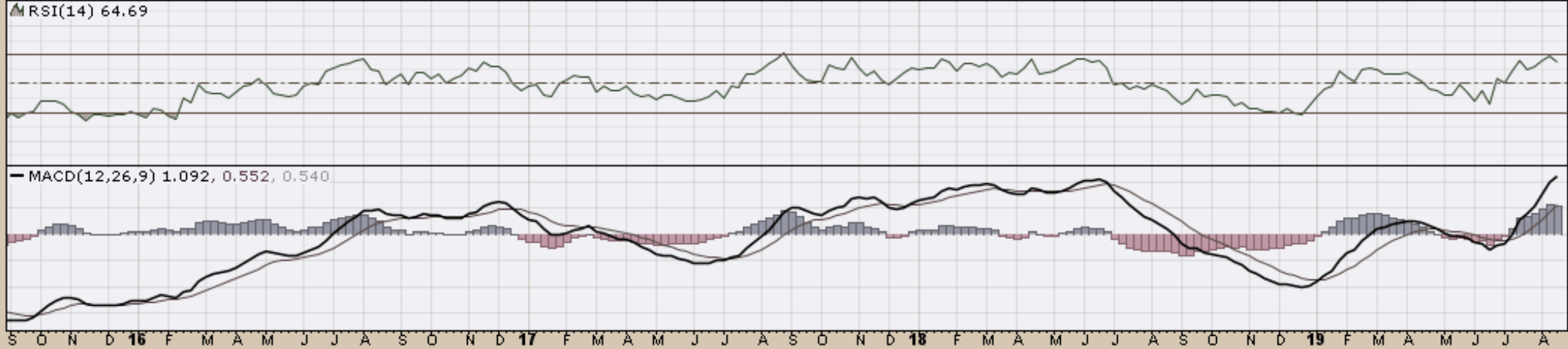
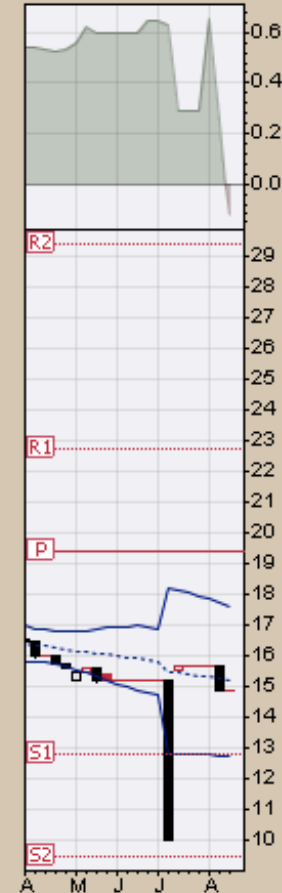
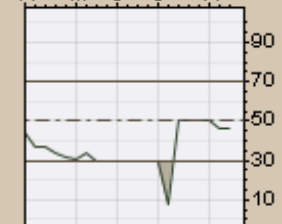


CHART D16. ALUMINUM, WEEKLY CHART

▲ JJUFF (Weekly) 14.86
— BB(20,2.0) 12.70 - 15.15 - 17.59
— PIVOTS 9.40, 12.77, 19.38, 22.75, 29.36



▲ RSI(14) 46.60



— MACD(12,26,9) -0.371, -0.467, 0.096

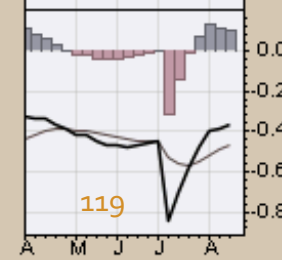
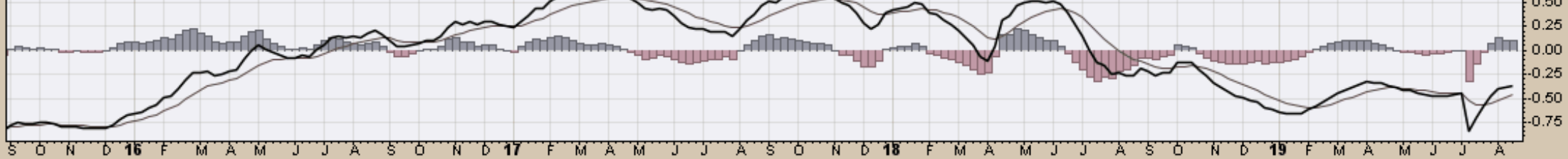
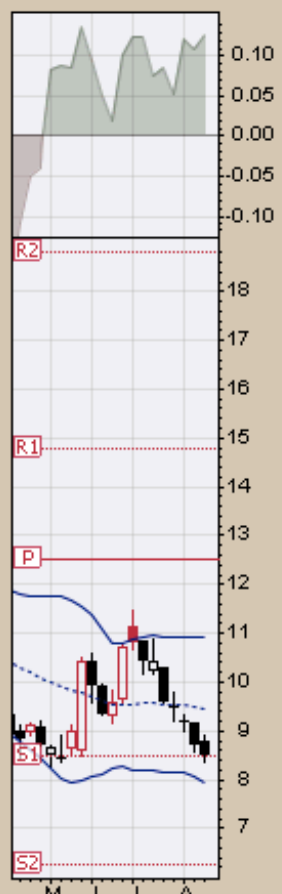
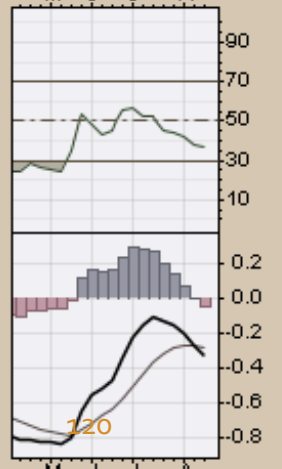
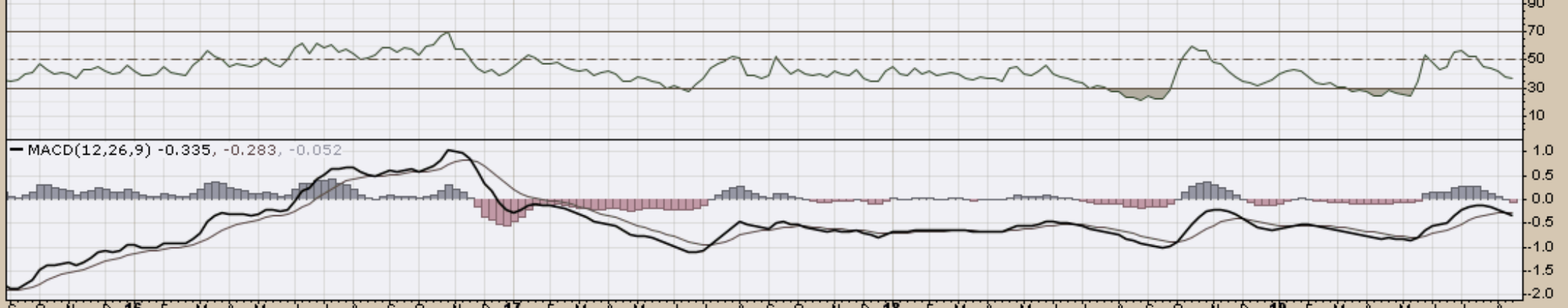


CHART D17. COFFEE, WEEKLY CHART

JJOFF (Weekly) 8.52
— BB(20,2,0) 7.96 - 9.45 - 10.94
— PIVOTS 6.24, 8.50, 12.52, 14.77, 18.79



▲ RSI(14) 36.63



— MACD(12,26,9) -0.335, -0.283, -0.052

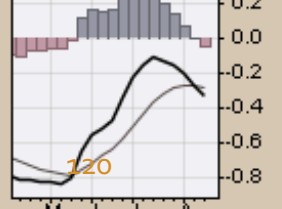
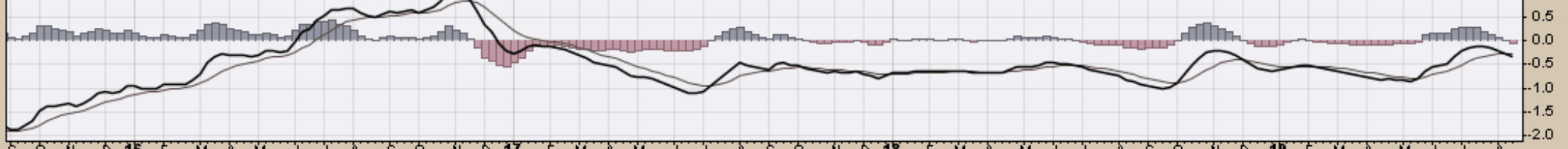
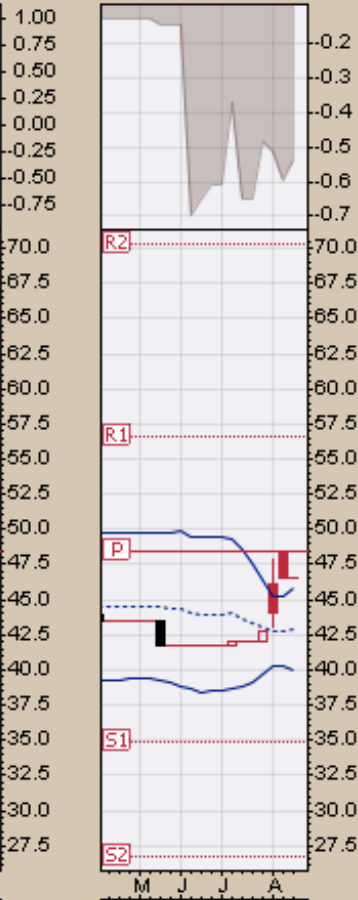
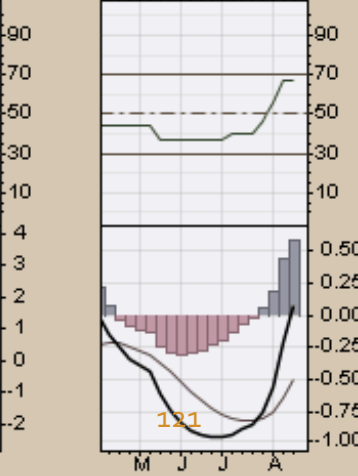
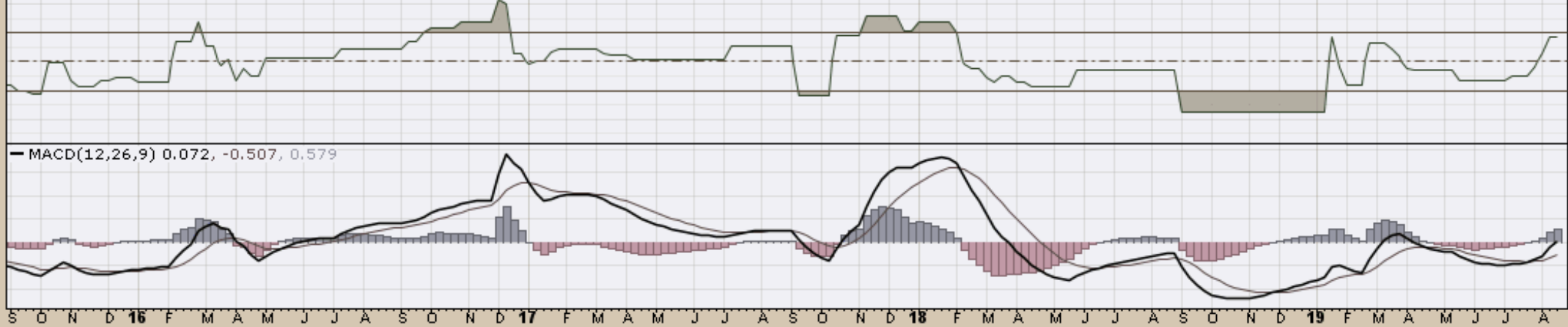


CHART D18. LEAD, WEEKLY CHART

LD (Weekly) 46.57
BB(20,2,0) 40.00 - 42.94 - 45.87
PIVOTS 26.66, 34.89, 48.44, 56.67, 70.22



▲ RSI(14) 67.39



MACD(12,26,9) 0.072, -0.507, 0.579

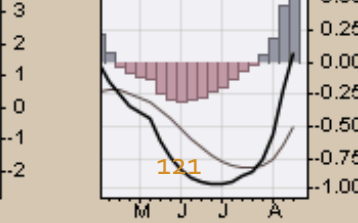
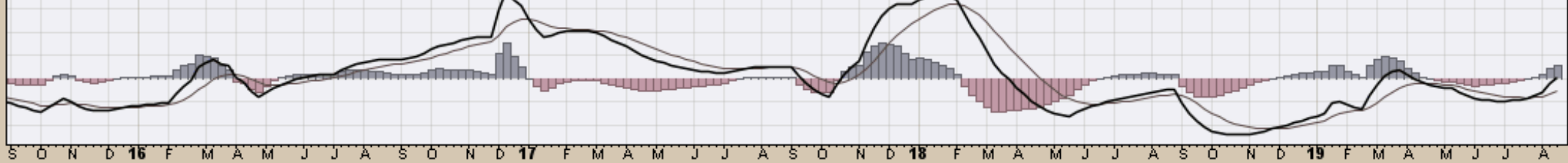
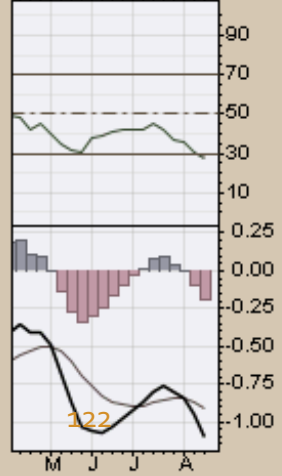
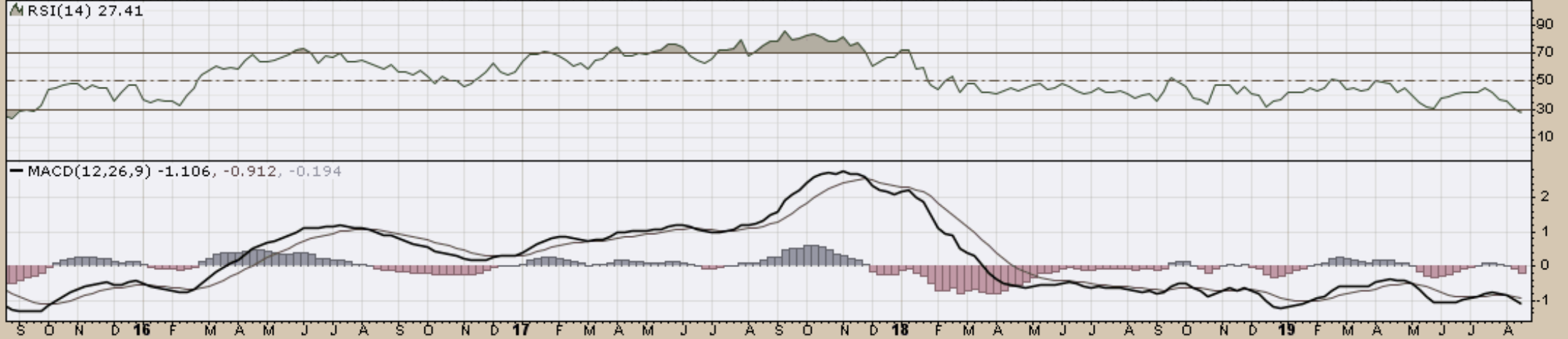
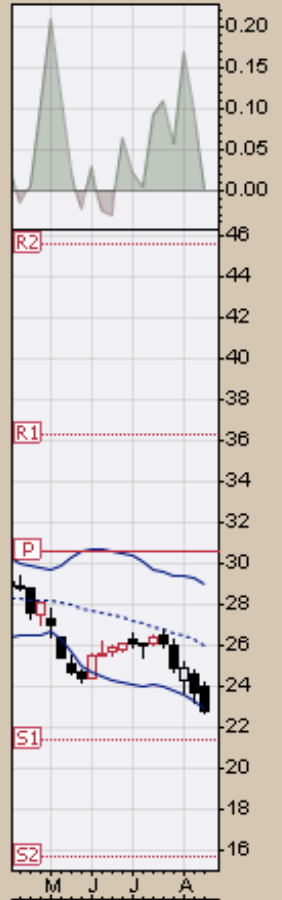


CHART D19. LITHIUM, WEEKLY CHART

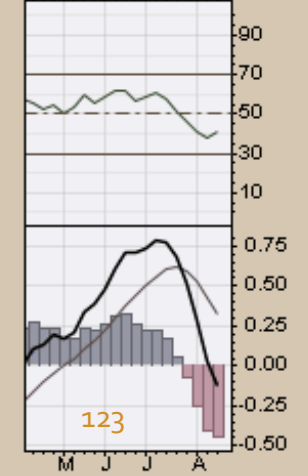
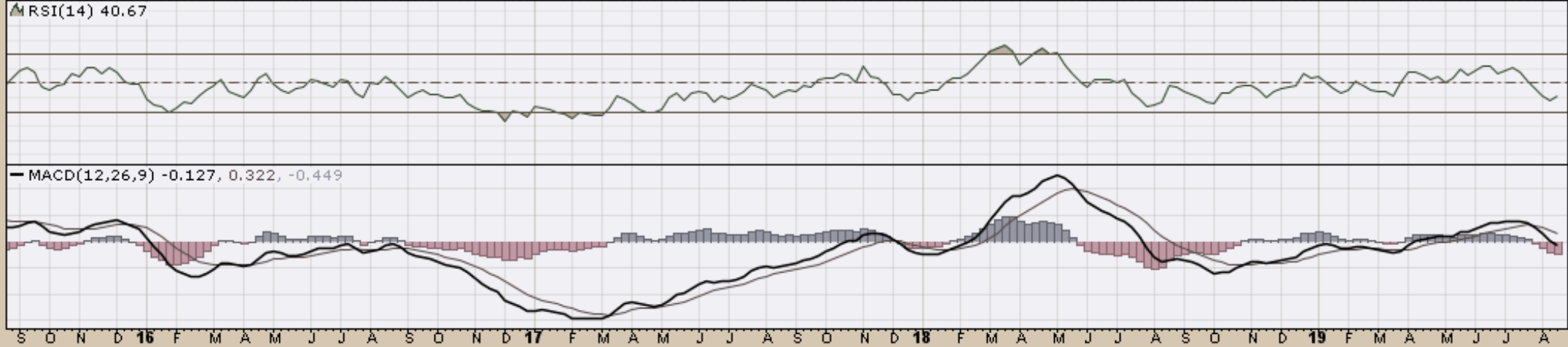
▲ LIT (Weekly) 22.72
— BB(20,2,0) 22.84 - 25.93 - 29.02
— PIVOTS 15.60, 21.31, 30.58, 36.29, 45.56



NIB iPath Bloomberg Cocoa Subindex Total Return ETN NYSE
 23-Aug-2019
 ▲ CMF(20) -0.023

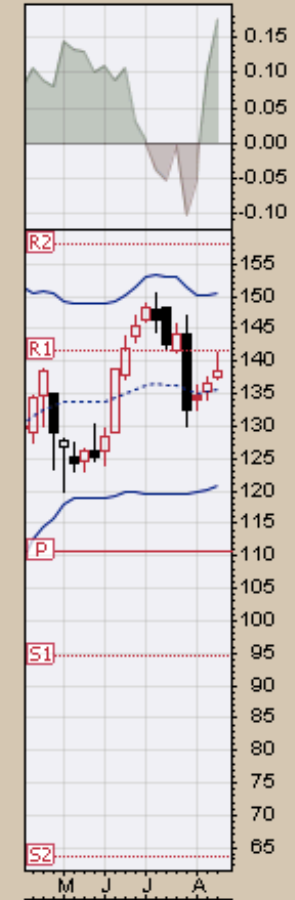
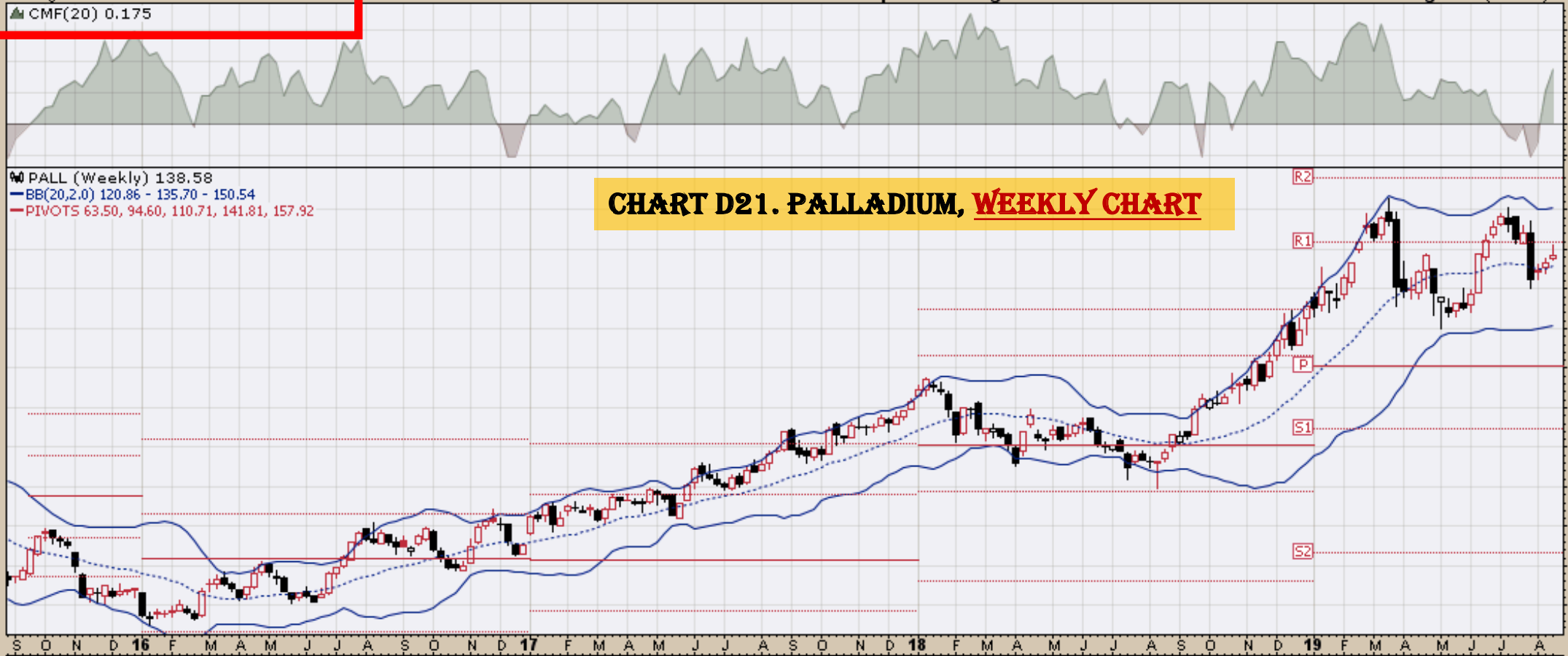
Open 24.76 High 25.54 Low 24.47 Close 25.27 Volume 115.3K Chg +0.48 (+1.94%)▲

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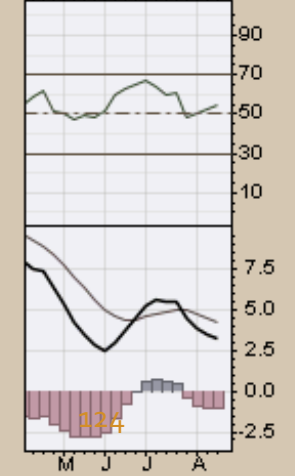
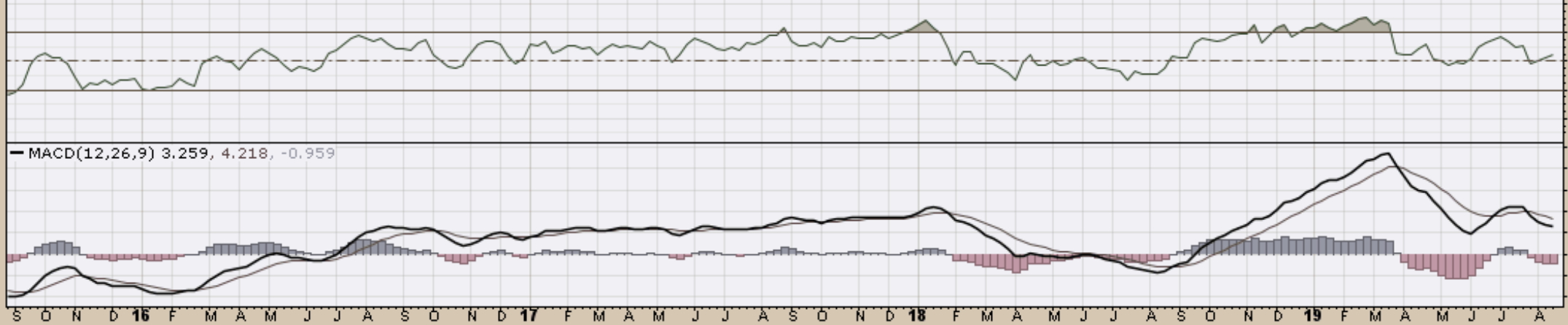


▲ PALL (Weekly) 138.58
— BB(20,2,0) 120.86 - 135.70 - 150.54
— PIVOTS 63.50, 94.60, 110.71, 141.81, 157.92

CHART D21. PALLADIUM, WEEKLY CHART



▲ RSI(14) 54.33



— MACD(12,26,9) 3.259, 4.218, -0.959

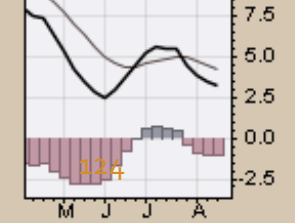
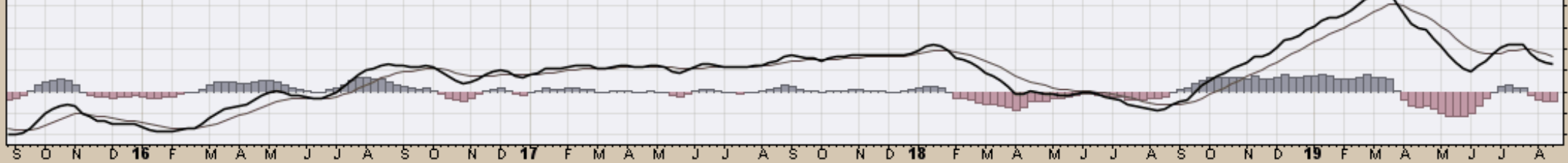
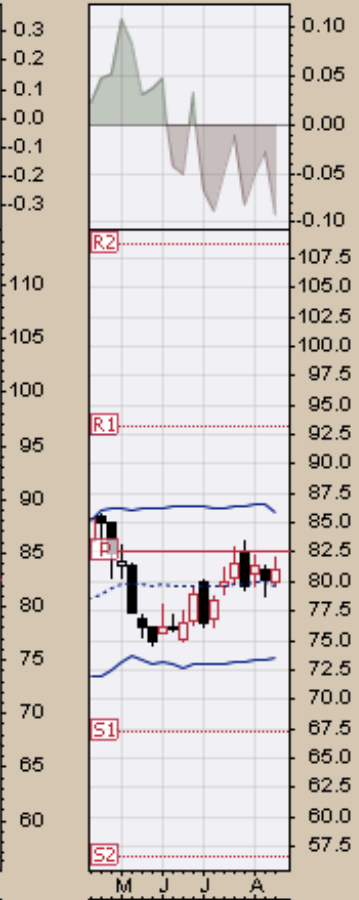
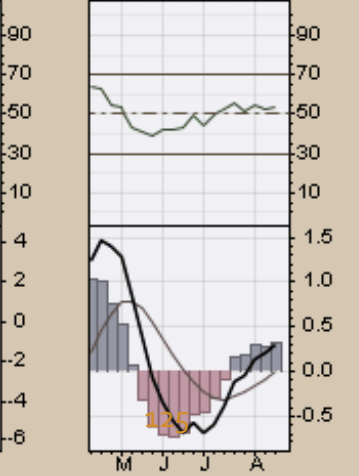
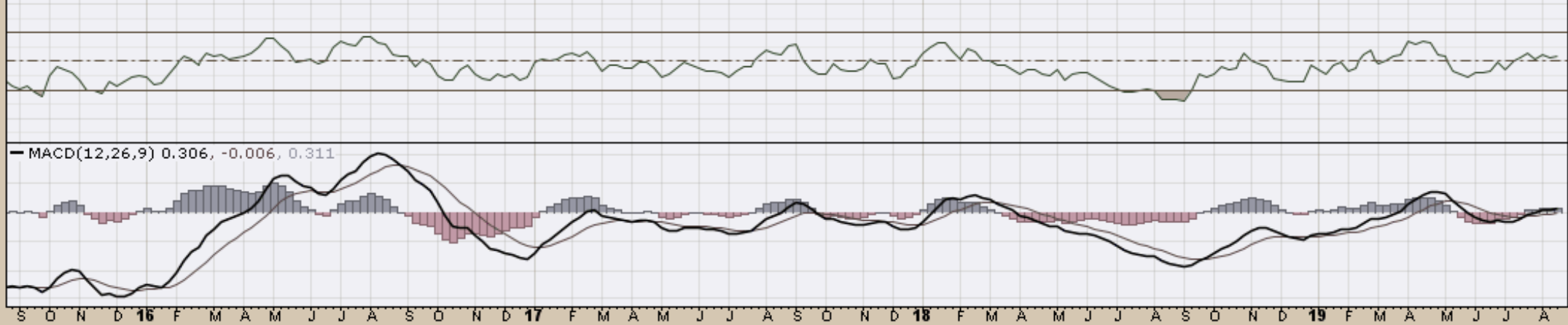


CHART D22. PLATINUM, WEEKLY CHART

▲ PPLT (Weekly) 81.00
— BB(20,2,0) 73.49 - 79.68 - 85.88
— PIVOTS 56.56, 67.22, 82.58, 93.24, 108.60



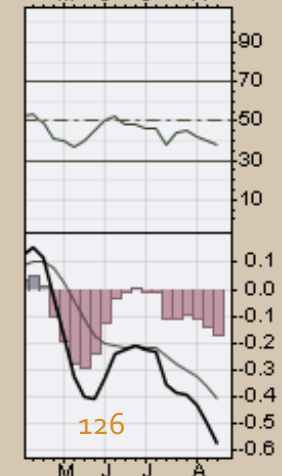
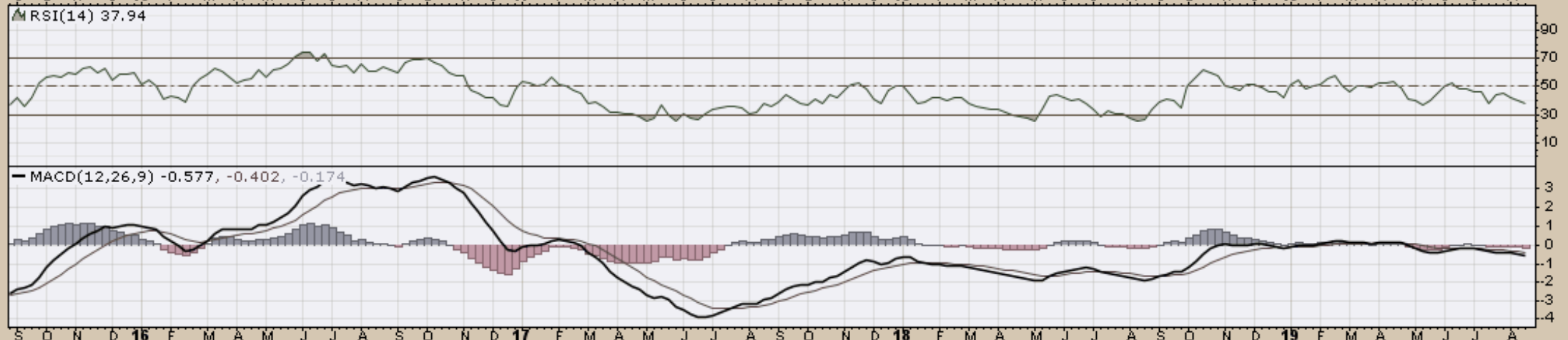
▲ RSI(14) 54.00



▲ CMF(20) -0.109

SGGFF (Weekly) 20.04
— BB(20,2,0) 19.69 - 21.77 - 23.85
— PIVOTS 10.84, 16.09, 23.74, 28.99, 36.64

CHART D23. SUGAR, WEEKLY CHART



SLV (Weekly) 16.35
BB(20,2,0) 12.83 - 14.49 - 16.15
PIVOTS 11.30, 13.01, 14.83, 16.54, 18.36

CHART D24. SILVER, WEEKLY CHART

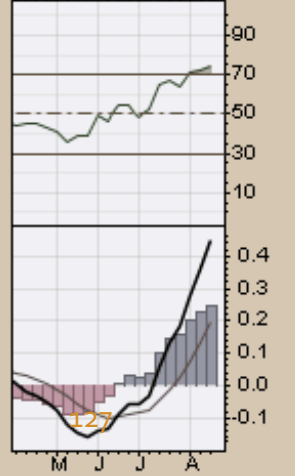
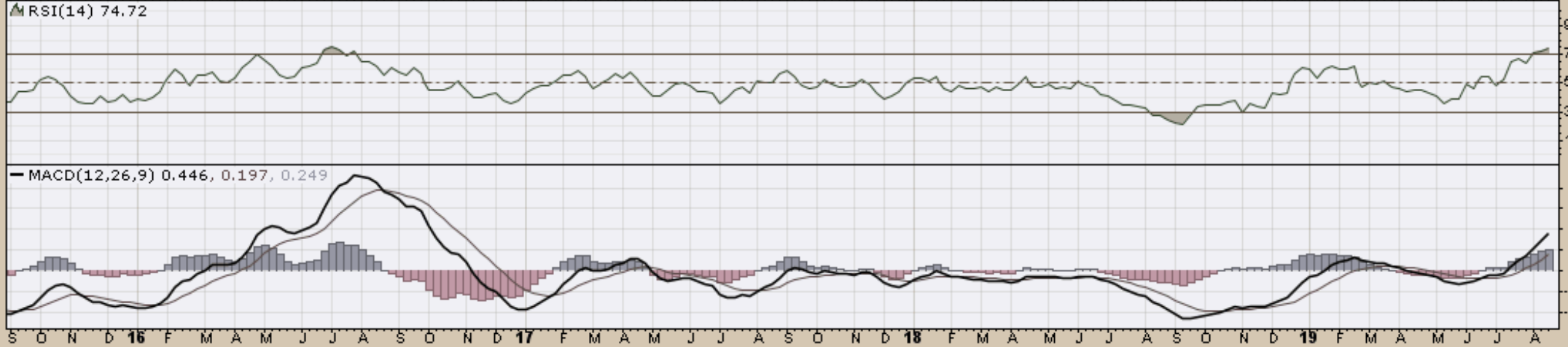


CHART D25. SOYBEANS, WEEKLY CHART

SOYB (Weekly) 14.77
— BB(20,2,0) 14.41 - 15.29 - 16.17
— PIVOTS 12.92, 14.78, 17.12, 18.99, 21.33

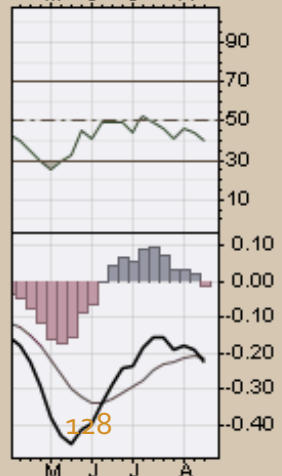
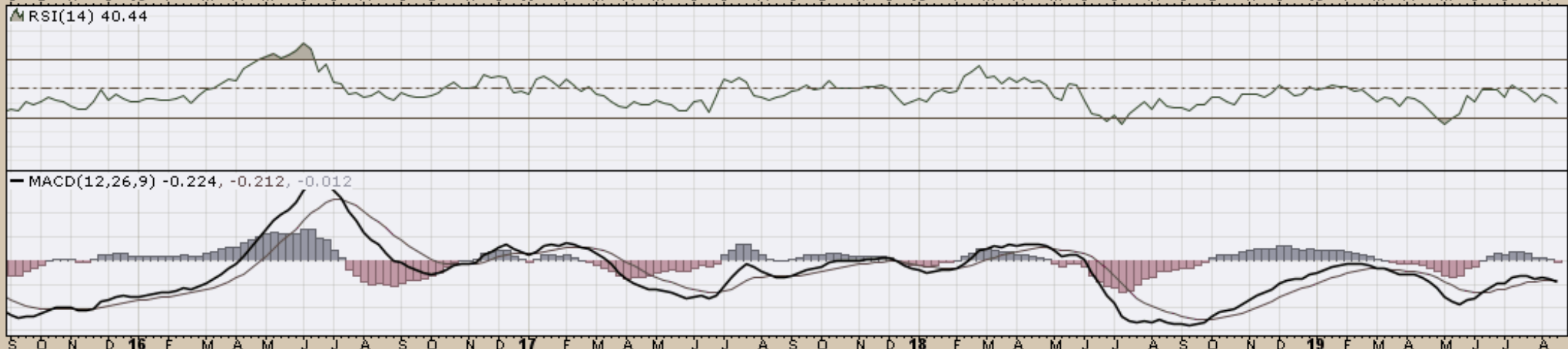
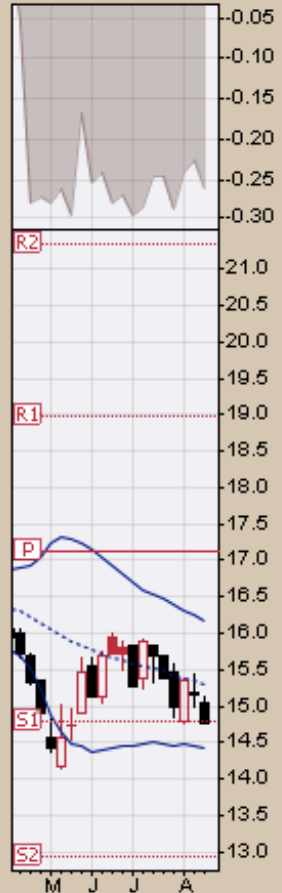
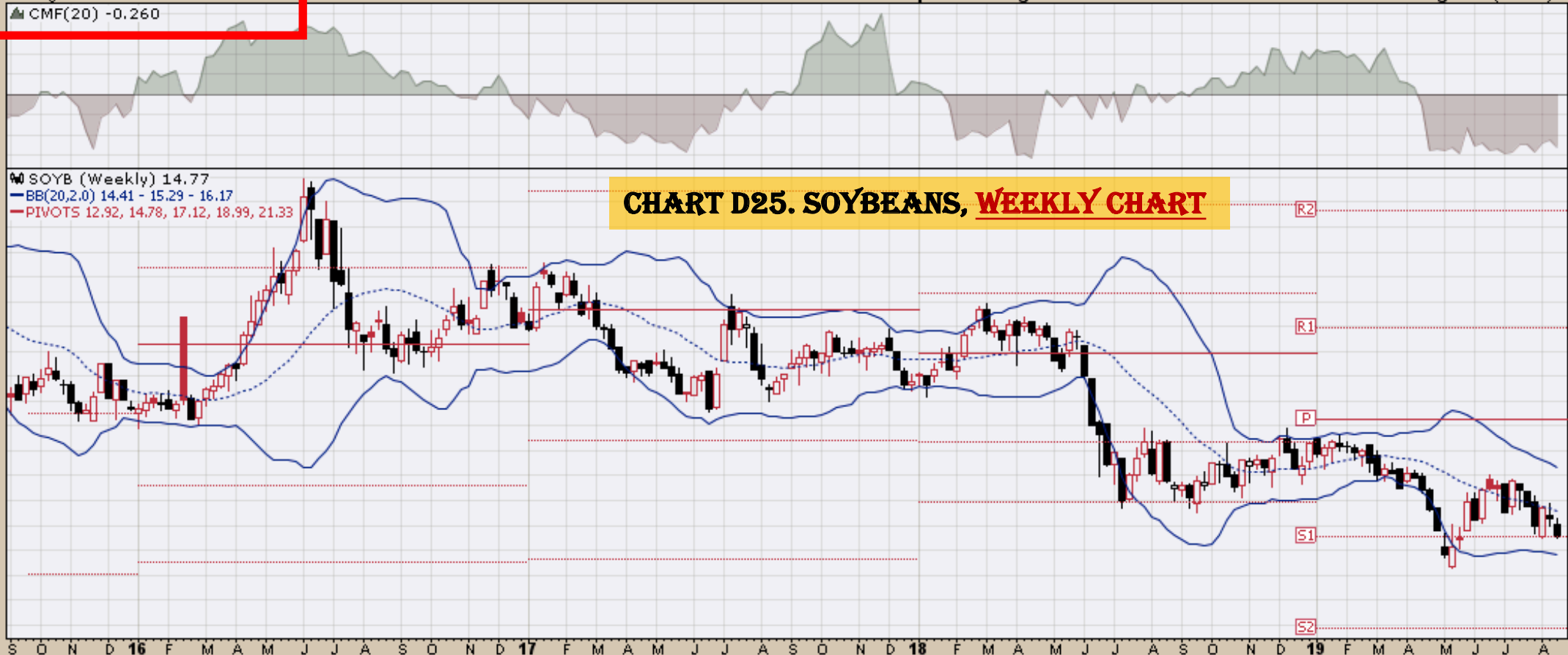
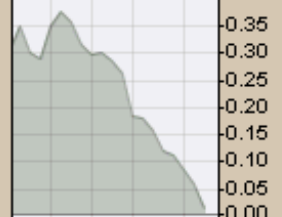
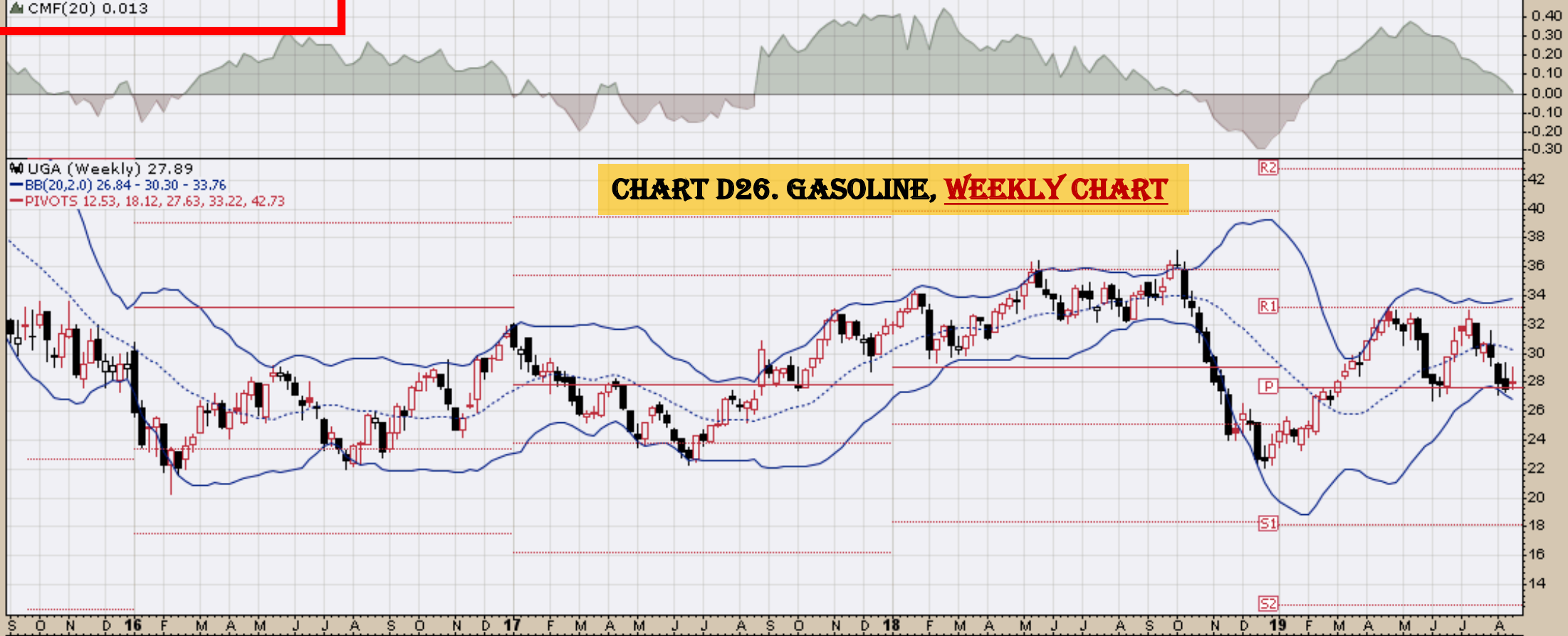


CHART D26. GASOLINE, WEEKLY CHART

UGA (Weekly) 27.89
— BB(20,2,0) 26.84 - 30.30 - 33.76
— PIVOTS 12.53, 18.12, 27.63, 33.22, 42.73



▲ RSI(14) 43.18

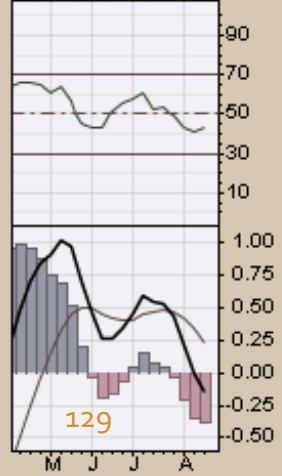
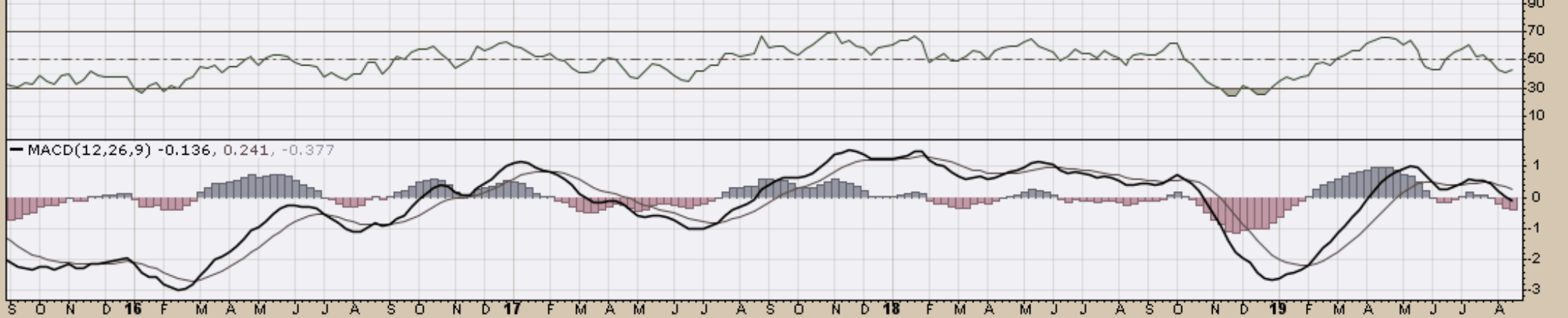


CHART 27. NATURAL GAS, WEEKLY CHART

UNG (Weekly) 18.70
BB(20,2,0) 17.43 - 20.63 - 23.83
PIVOTS 10.53, 17.81, 28.84, 36.12, 47.15

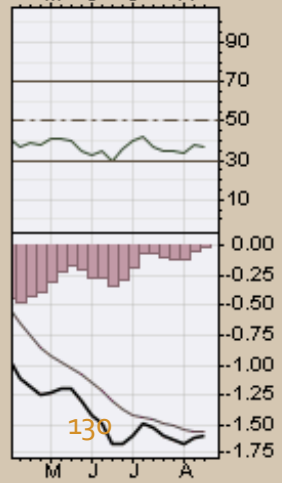
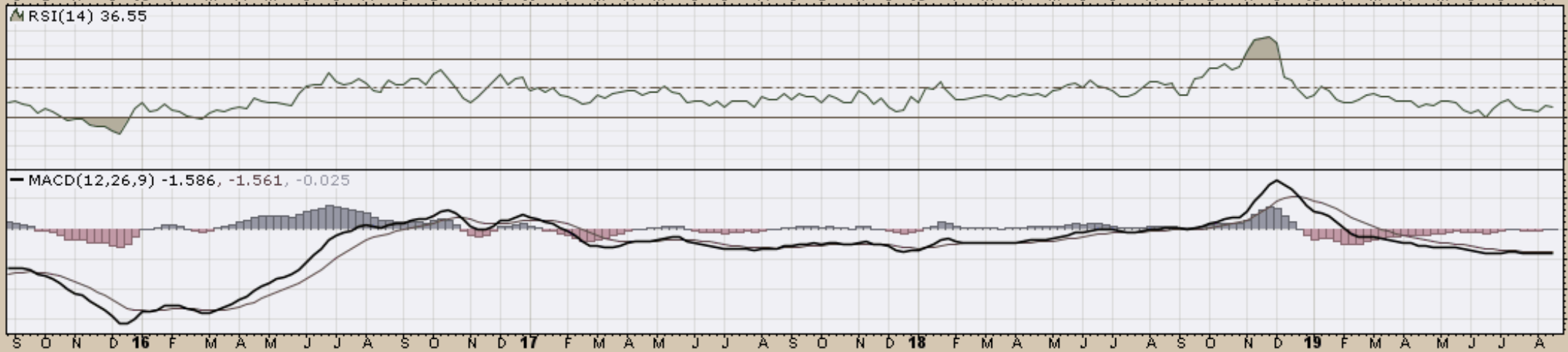
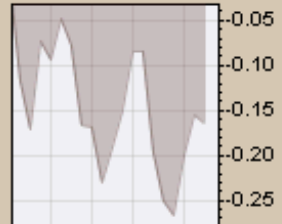


CHART D28. US 12 MONTH OIL FUND, WEEKLY CHART

USL (Weekly) 20.10
BB(20,2,0) 19.11 - 21.70 - 24.29
PIVOTS 10.02, 14.47, 21.51, 25.96, 33.00

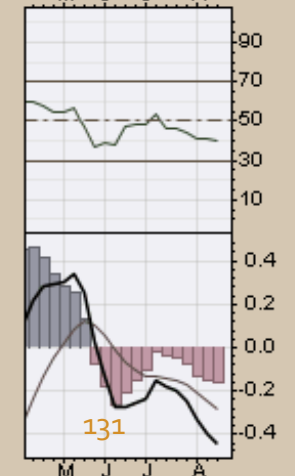
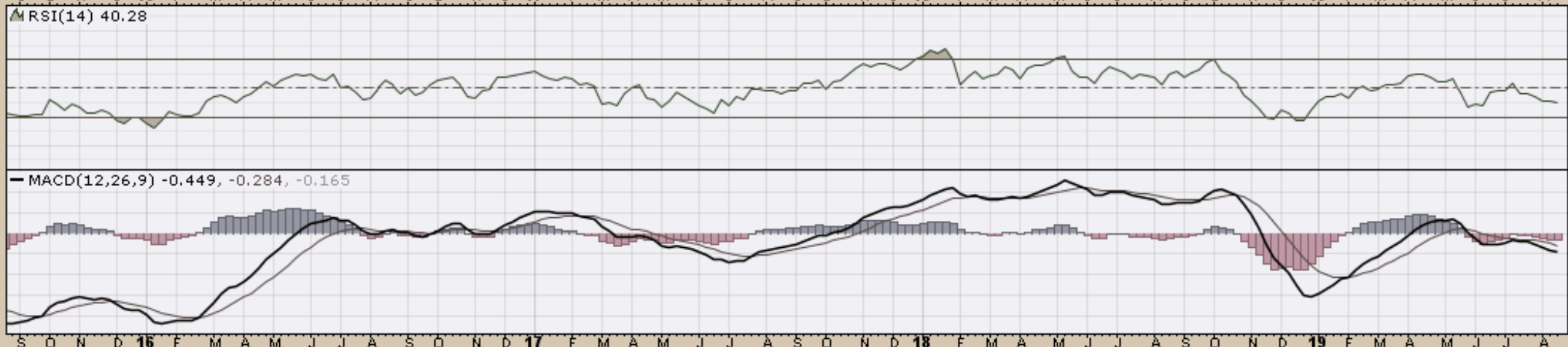
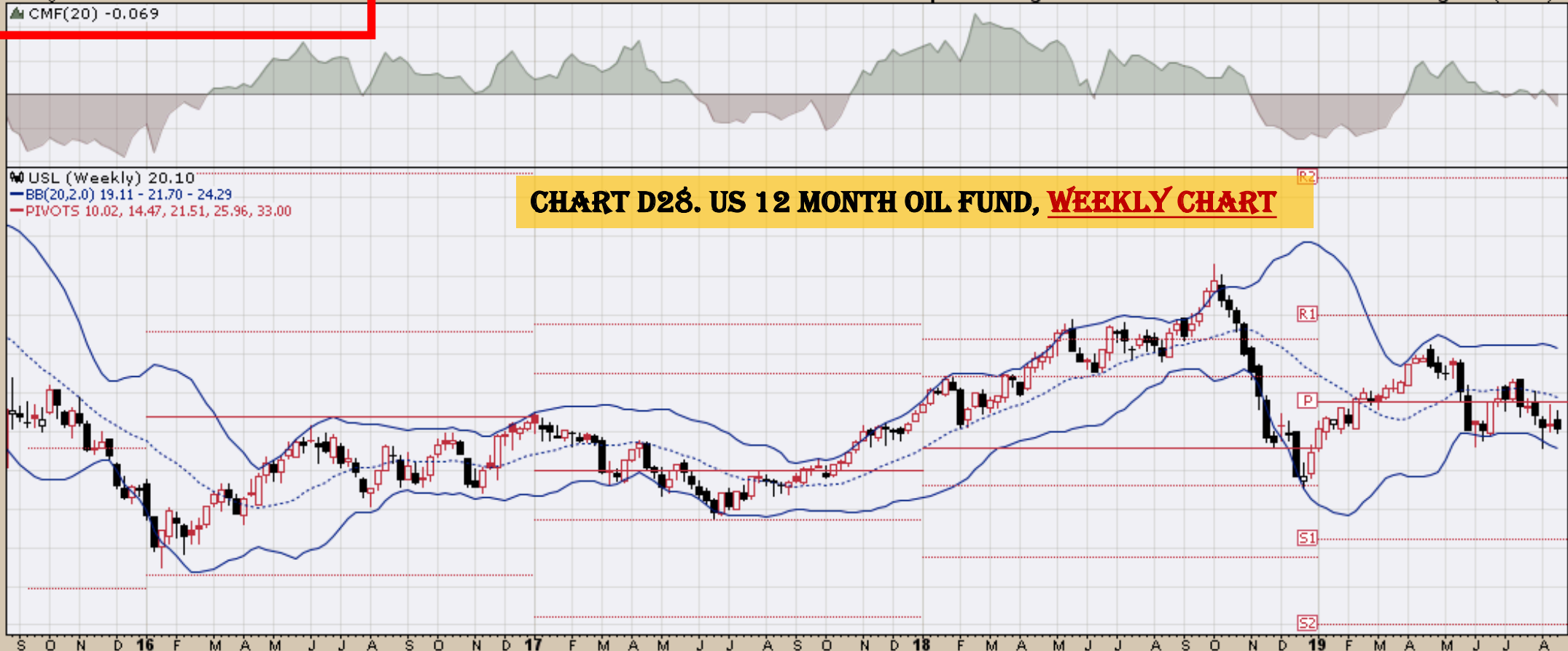
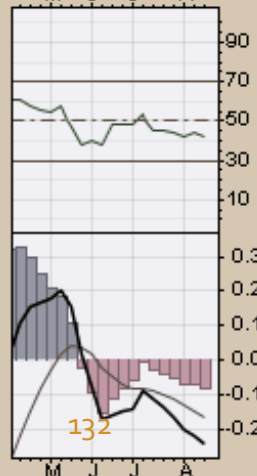
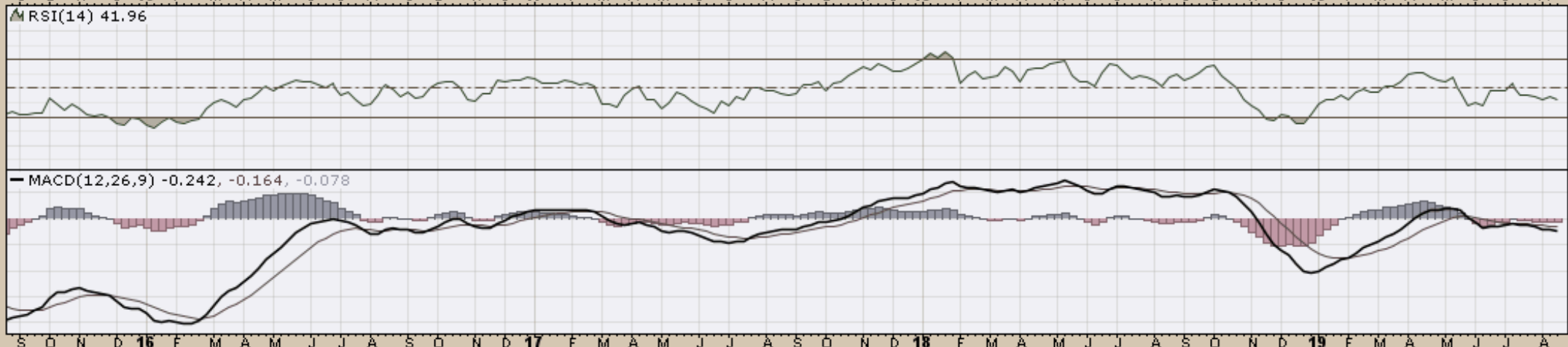
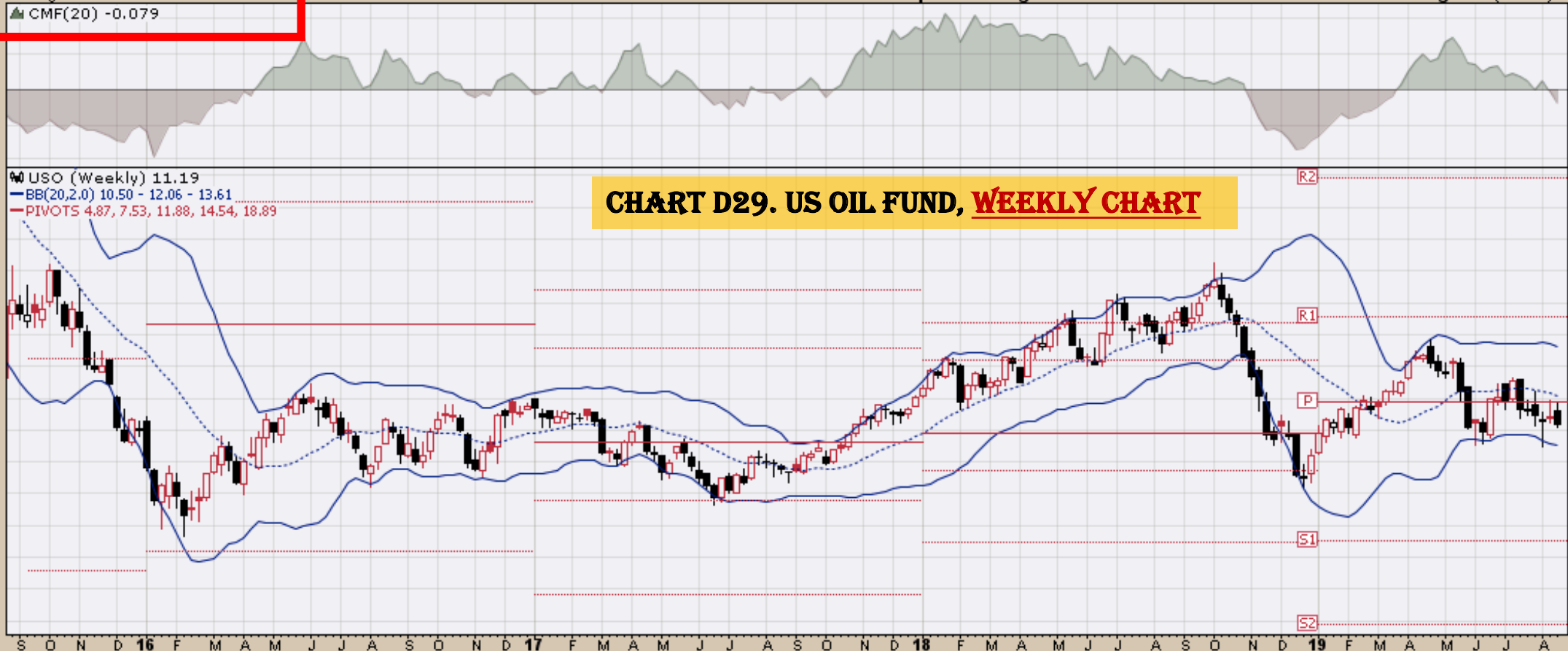


CHART D29. US OIL FUND, WEEKLY CHART

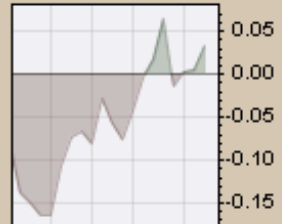
USO (Weekly) 11.19
BB(20,2,0) 10.50 - 12.06 - 13.61
PIVOTS 4.87, 7.53, 11.88, 14.54, 18.89



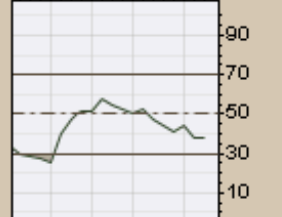
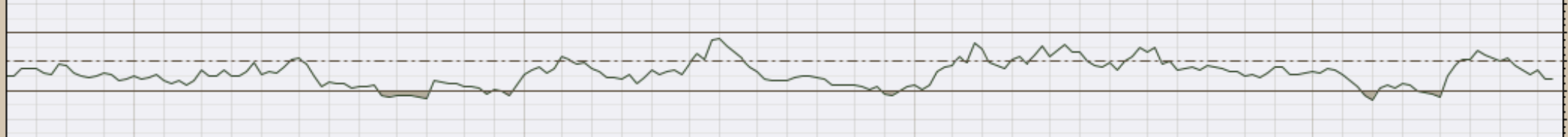


WEAT (Weekly) 5.12
 BB(20,2,0) 4.83 - 5.40 - 5.98
 PIVOTS 4.92, 5.49, 6.41, 6.98, 7.90

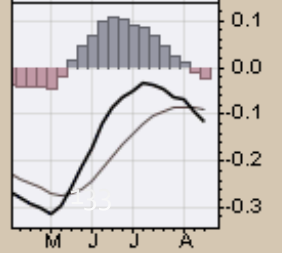
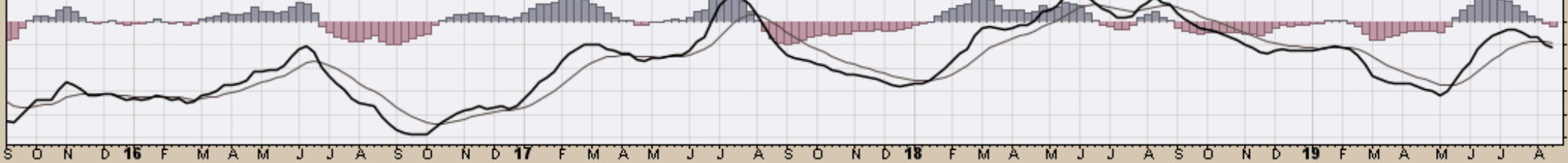
CHART D30. WHEAT, WEEKLY CHART



▲ RSI(14) 38.42



MACD(12,26,9) -0.114, -0.091, -0.023



End