

***Market Outlook Considerations  
Chart Book, Week Beginning  
May 6, 2019***

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**Bobby Coats, Ph.D.  
Professor – Economics and Extension Economist  
Department of Agricultural Economics and Agribusiness  
University of Arkansas System  
Division of Agriculture  
Cooperative Extension Service**

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# Chart Book Index - \$CRB, \$WTIC, Soybeans, Corn, Rice, Cotton, Wheat

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## Market Outlook Considerations for Week Beginning May 6, 2019

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## Commodity ETFs Book Index

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

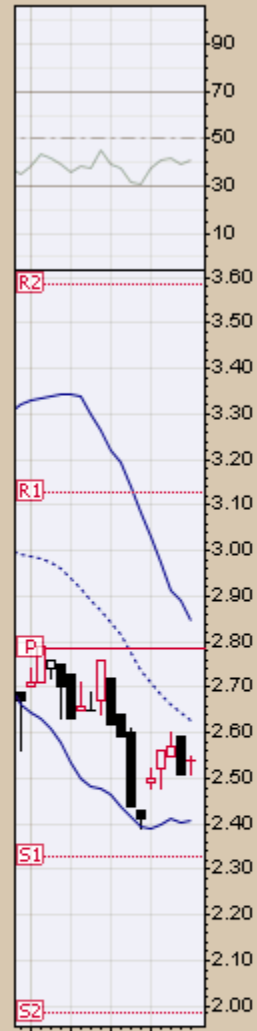
3-May-2019

Open 2.54 High 2.55 Low 2.51 Close 2.54 Chg +0.03 (+1.20%) ▲

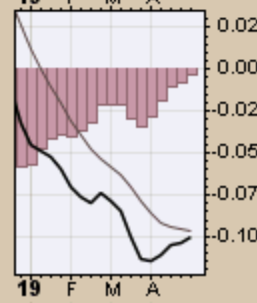
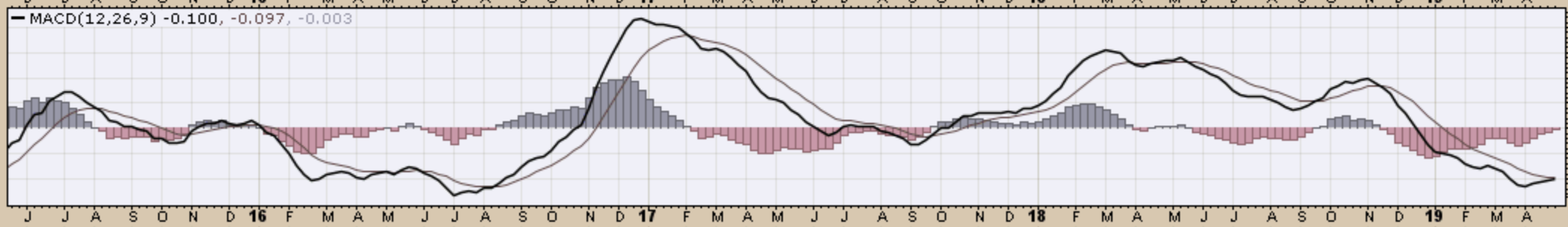
▲ RSI(14) 41.25

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

▲ \$UST10Y (Weekly) 2.54  
— BB(20,2.0) 2.41 - 2.63 - 2.85  
— PIVOTS 1.98, 2.33, 2.78, 3.13, 3.58  
■ Volume undef



— MACD(12,26,9) -0.100, -0.097, -0.003



**\$UST10Y 10-Year US Treasury Yield (EOD) INDX**

3-May-2019

© StockCharts.com

Open 2.54 High 2.54 Low 2.54 Close 2.54 Chg -0.01 (-0.39%)

- \$UST10Y (Daily) 2.54
- MA(50) 2.56
- MA(200) 2.83
- PIVOTS 2.41, 2.46, 2.53, 2.58, 2.65
- ▒ Volume undef



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

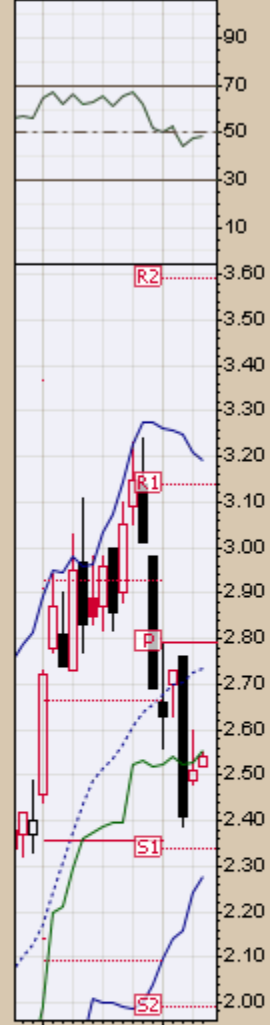
3-May-2019

Open 2.52 High 2.55 Low 2.52 Close 2.54 Chg +0.03 (+1.20%) ▲

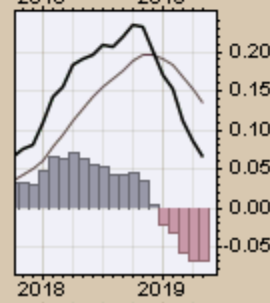
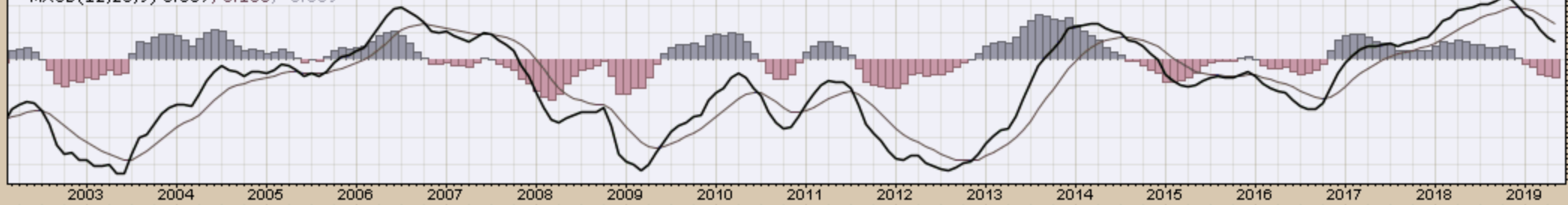
▲ RSI(14) 48.34

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

▲ \$UST10Y (Monthly) 2.54  
 — BB(20,2,0) 2.28 - 2.73 - 3.19  
 — PIVOTS 1.99, 2.34, 2.79, 3.14, 3.59  
 — CHANDLR(22,3,0) 2.56  
 ■ Volume undef



— MACD(12,26,9) 0.067, 0.135, -0.069





**\$UST10Y 10-Year US Treasury Yield (EOD) INDX**

3-May-2019

© StockCharts.com

Open 2.52 High 2.55 Low 2.52 Close 2.54 Chg +0.03 (+1.20%) ▲

— \$UST10Y (Monthly) 2.54

— MA(200) 3.15



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

*US Dollar Index*  
*Weekly, Daily and Monthly Charts*

3-May-2019

Open 97.75 High 97.86 Low 96.87 Close 97.26 Chg -0.47 (-0.48%)

▲ RSI(14) 57.16

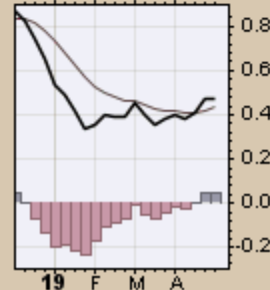
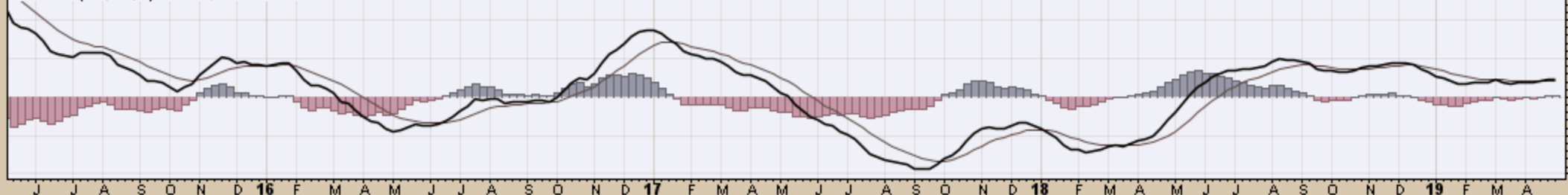
### CHART A5. U.S. DOLLAR INDEX, WEEKLY CHART

▲ \$USD (Weekly) 97.26

— MA(200) 95.86  
— CHANDLR(22,3,0) 94.82  
— PIVOTS 84.43, 90.09, 93.81, 99.47, 103.19



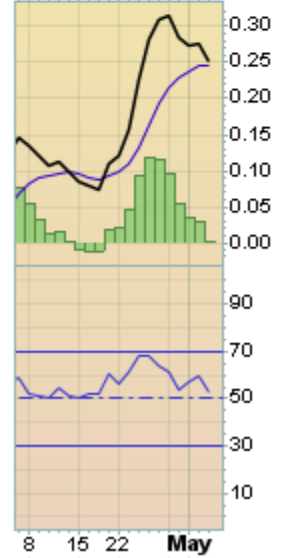
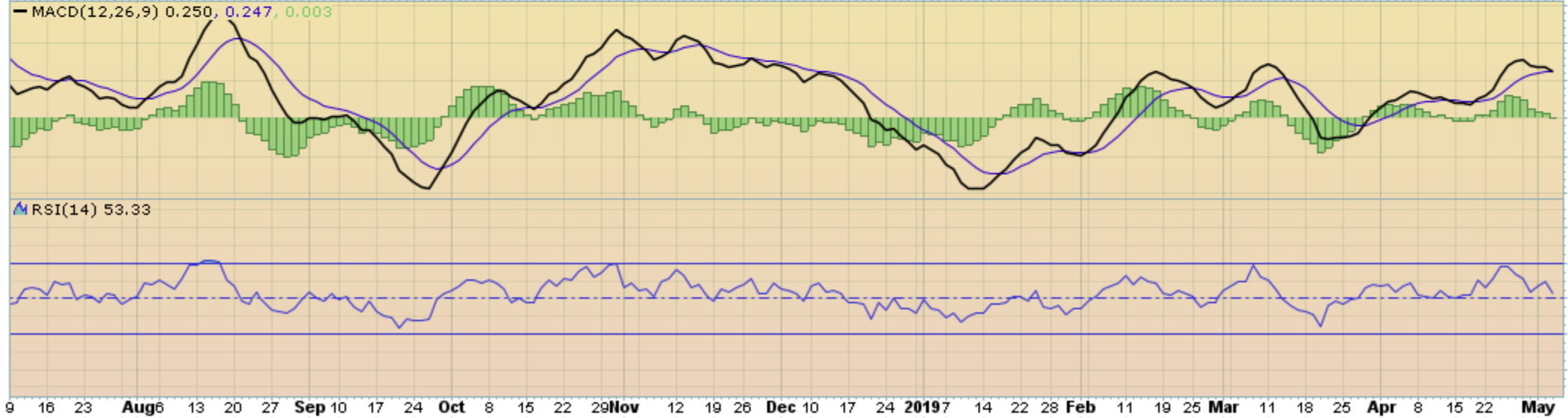
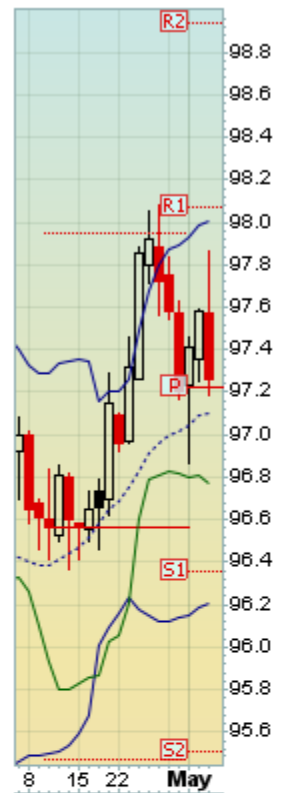
— MACD(12,26,9) 0.477, 0.433, 0.044



3-May-2019

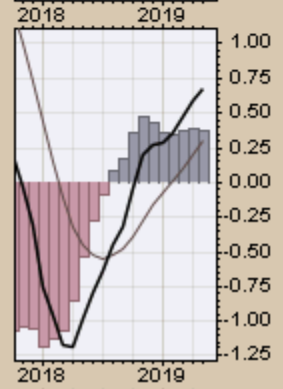
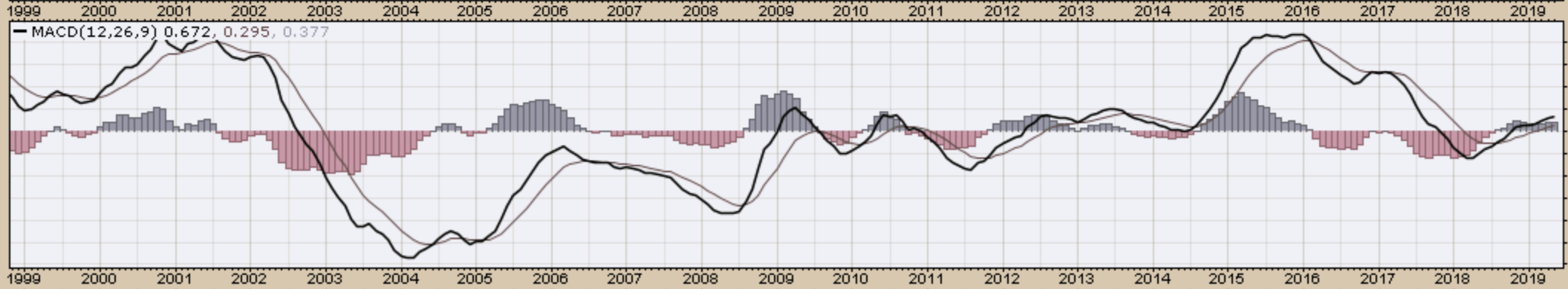
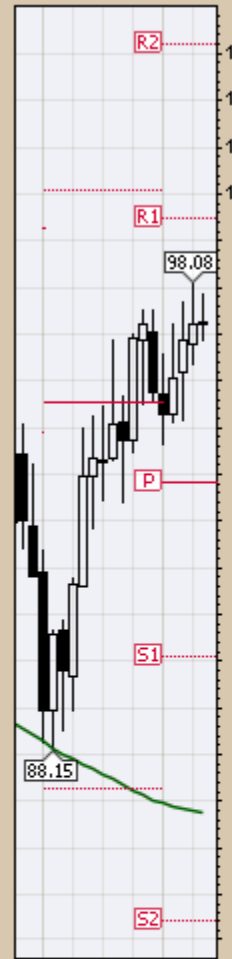
Open 97.57 High 97.86 Low 97.18 Close 97.26 Chg -0.33 (-0.33%)

US Dollar Index - Cash Settle (EOD) (Daily) 97.26  
 BB(20,2.0) 96.20 - 97.10 - 98.01  
 PIVOTS 95.50, 96.35, 97.22, 98.07, 98.93  
 CHANDLR(22,3.0) 96.77  
 Volume undef



3-May-2019

Open 97.23 High 97.86 Low 96.87 Close 97.26 Chg +0.06 (+0.06%) ▲



3-May-2019

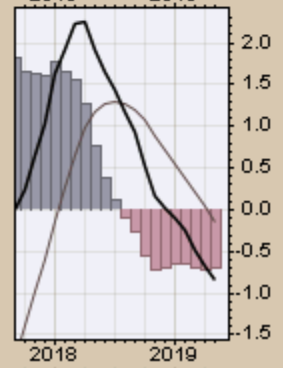
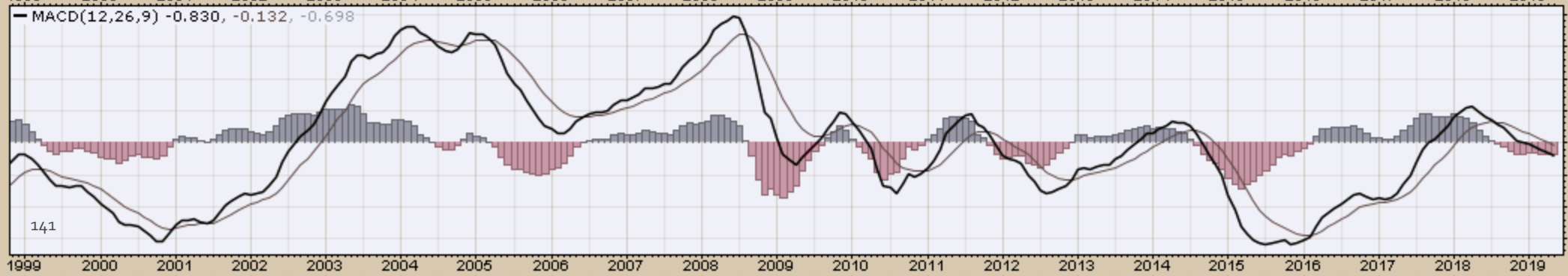
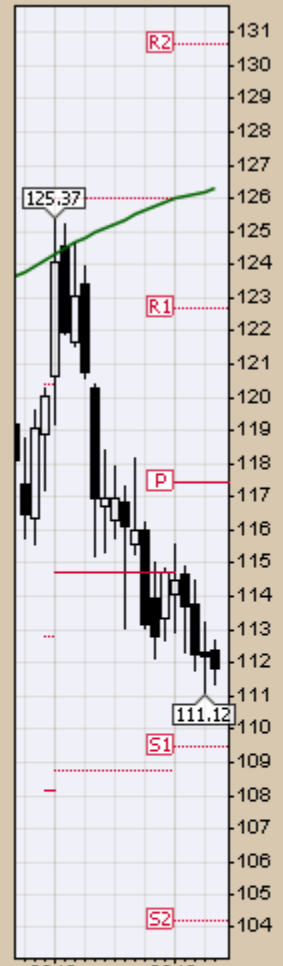
Open 97.23 High 97.86 Low 96.87 Close 97.26 Chg +0.06 (+0.06%) ▲

— \$USD (Monthly) 97.26  
— MA(200) 86.75  
— CHANDLR(22,3.0) 90.16

### CHART A8. US DOLLAR INDEX, MONTHLY CHART



*Select Currency Charts*  
*Monthly Charts*





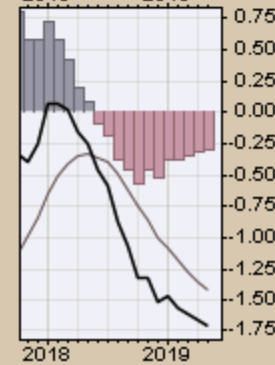
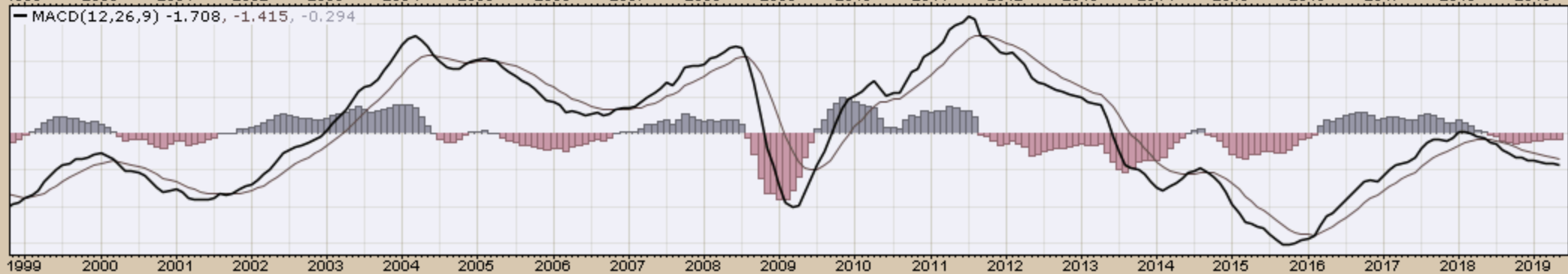
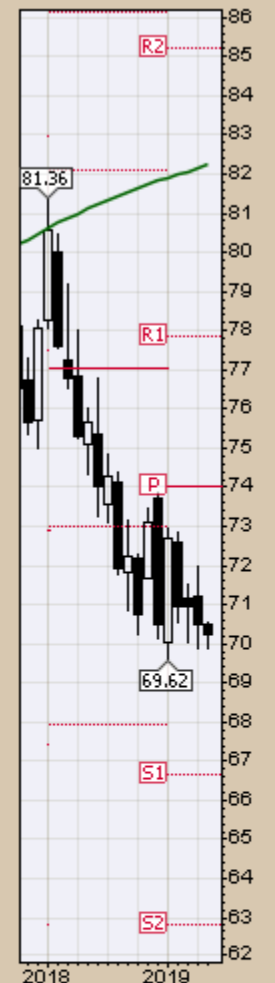
\$XAD (Monthly) 70.22

MA(200) 82.23

PIVOTS 62.80, 66.64, 74.00, 77.84, 85.20

Open 70.50 High 70.54 Low 69.86 Close 70.22 Chg -0.28 (-0.39%)

# CHART A 10. AUSTRALIAN DOLLAR, MONTHLY CHART



\$CDW (Monthly) 74.48

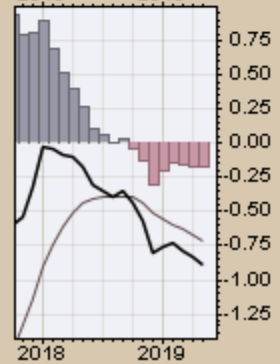
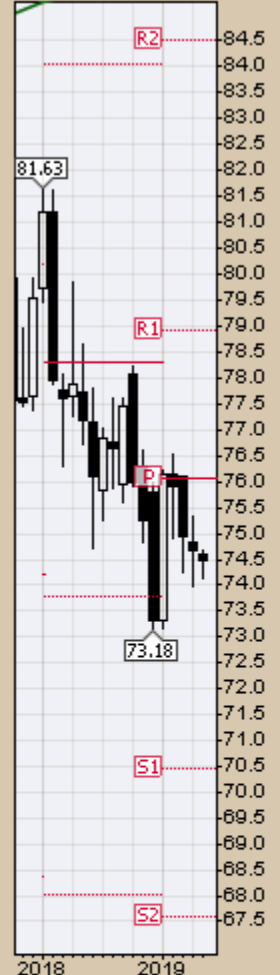
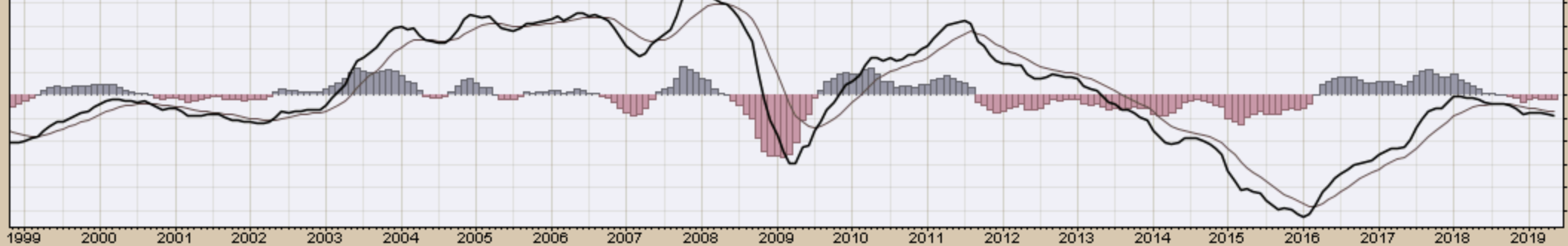
MA(200) 86.21

PIVOTS 67.59, 70.46, 76.05, 78.91, 84.50



**CHART A11. CANADIAN DOLLAR, MONTHLY CHART**

MACD(12,26,9) -0.883, -0.714, -0.169

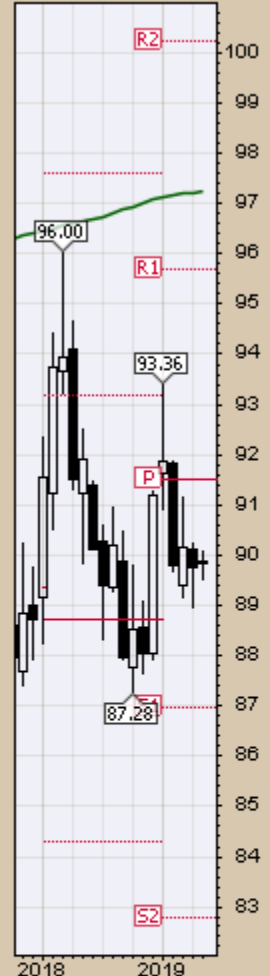


\$XJY (Monthly) 89.88

MA(200) 97.26

PIVOTS 82.77, 86.98, 91.49, 95.70, 100.21

# CHART A12. JAPANESE YEN, MONTHLY CHART

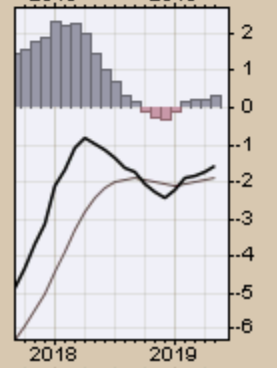
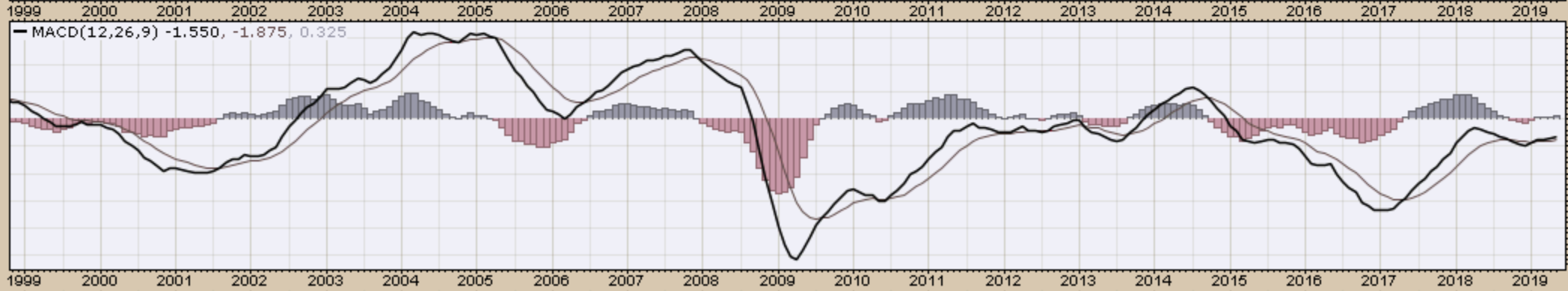
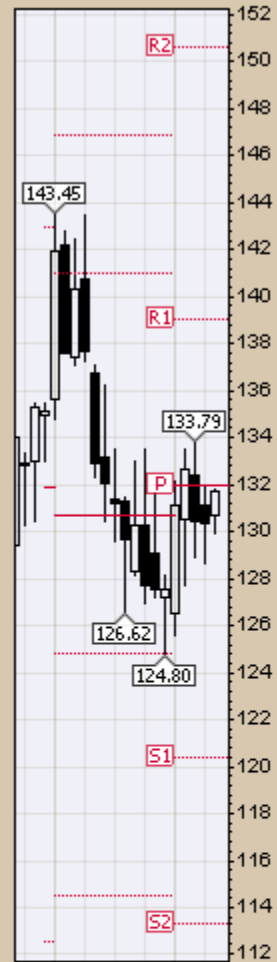


3-May-2019

Open 130.70 High 131.80 Low 129.90 Close 131.73 Chg +1.37 (+1.05%) ▲



**CHART A13. BRITISH POUND, MONTHLY CHART**



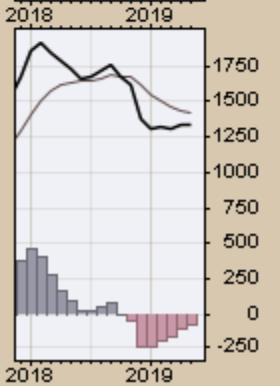
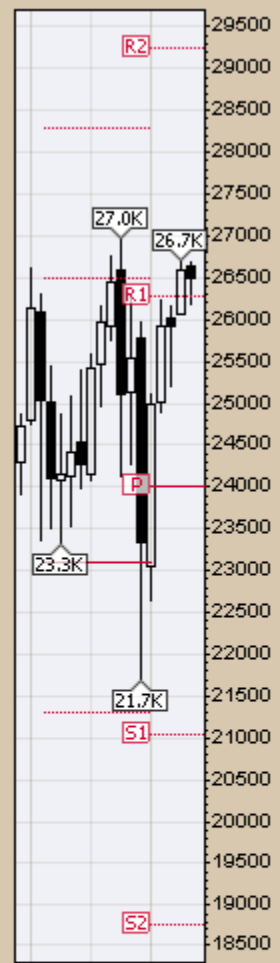
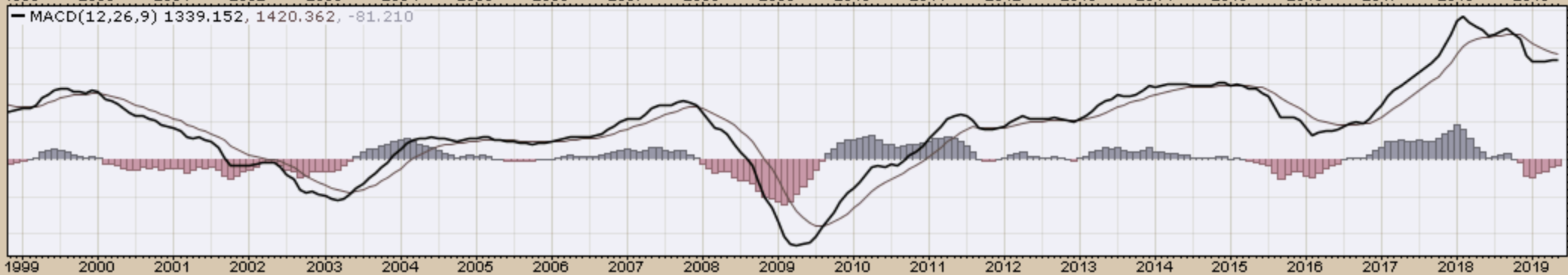
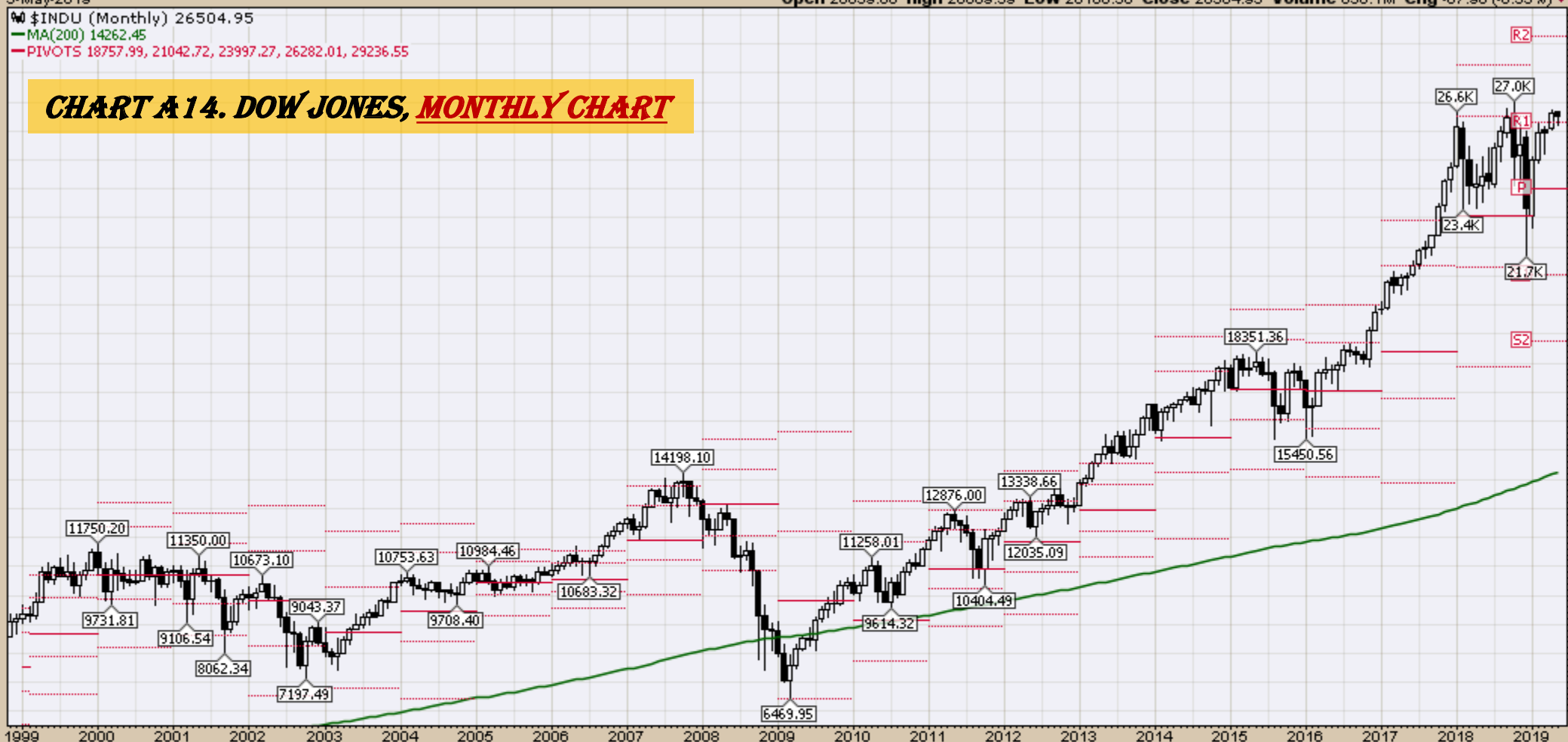
*Select Equity and Transportation Charts*  
*Monthly Charts*

\$INDU (Monthly) 26504.95

MA(200) 14262.45

PIVOTS 18757.99, 21042.72, 23997.27, 26282.01, 29236.55

# CHART A 14. DOW JONES, MONTHLY CHART

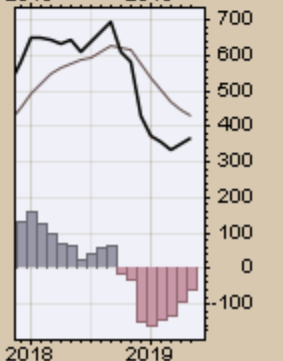
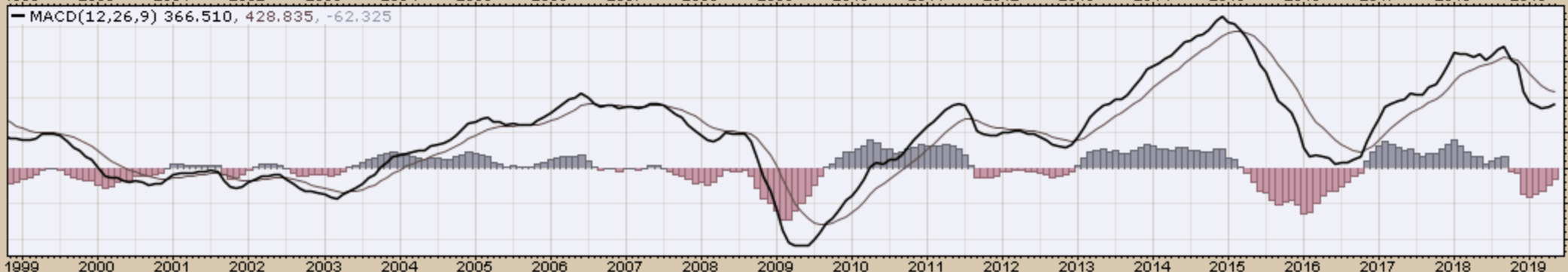
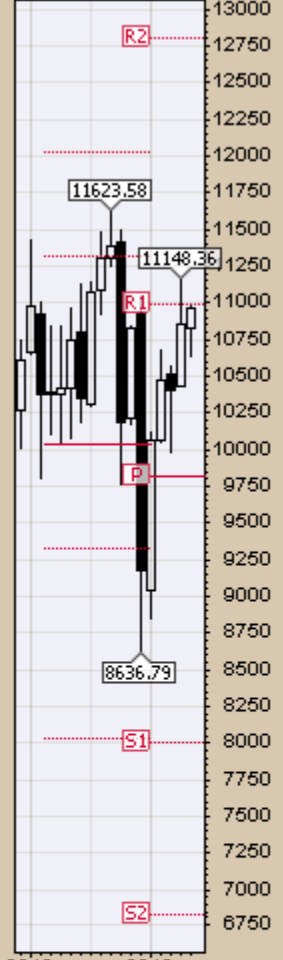


3-May-2019

Open 10826.22 High 10986.17 Low 10634.42 Close 10958.89 Volume 117.3M Chg +111.87 (+1.03%)▲

\$TRAN (Monthly) 10958.89  
MA(200) 5852.16  
PIVOTS 6823.47, 7996.93, 9810.26, 10983.72, 12797.05

### CHART A15. DOW TRANSPORTS, MONTHLY CHART

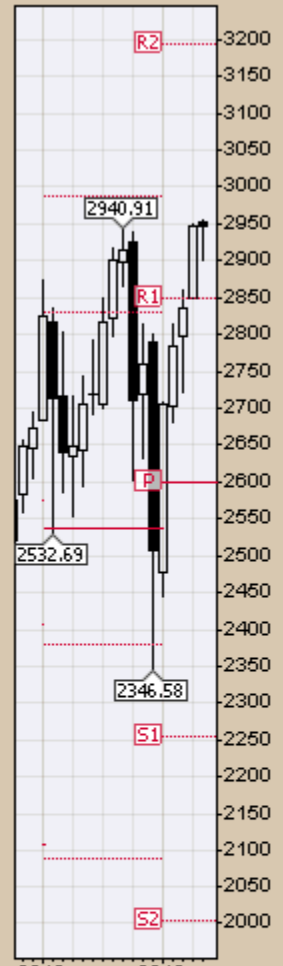


\$SPX (Monthly) 2945.64

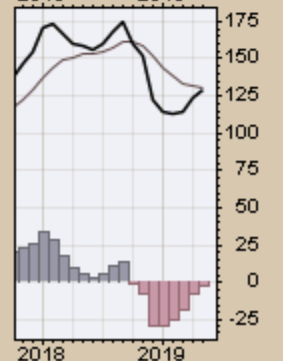
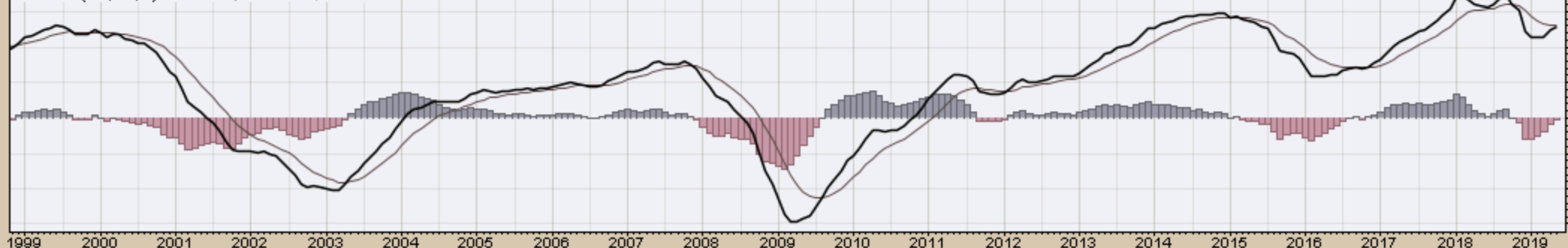
MA(200) 1586.12

PIVOTS 2003.78, 2255.32, 2598.11, 2849.65, 3192.44

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



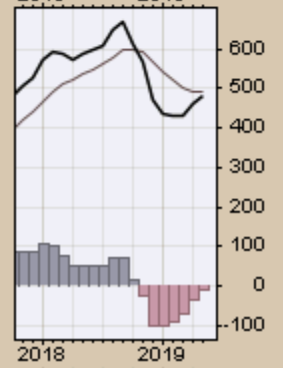
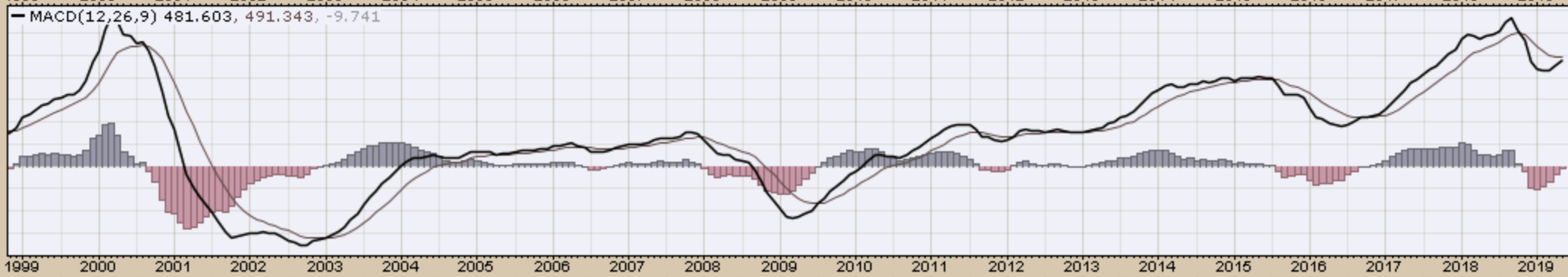
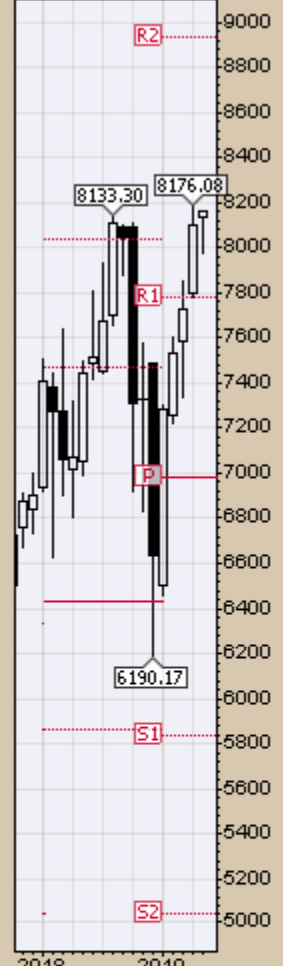
MACD(12,26,9) 129.162, 130.945, -1.783





\$COMPQ (Monthly) 8164.00  
MA(200) 3471.53  
PIVOTS 5043.11, 5839.20, 6986.25, 7782.33, 8929.38

### CHART A 17. NASDAQ COMPOSITE, MONTHLY CHART

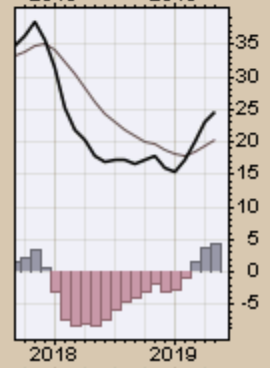
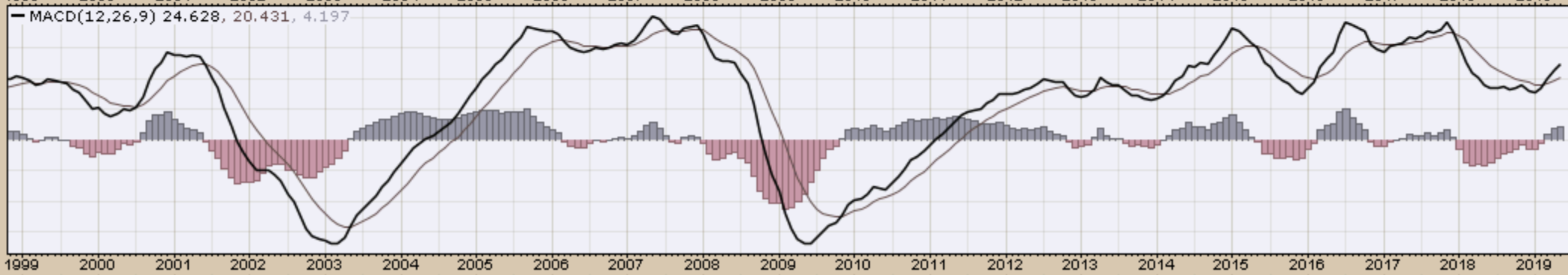


\$UTIL (Monthly) 783.10

MA(200) 482.63

PIVOTS 593.22, 653.07, 707.67, 767.52, 822.12

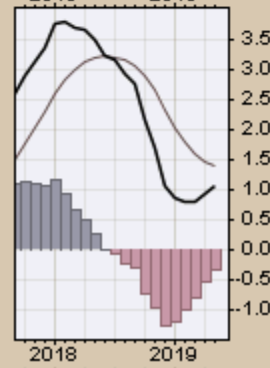
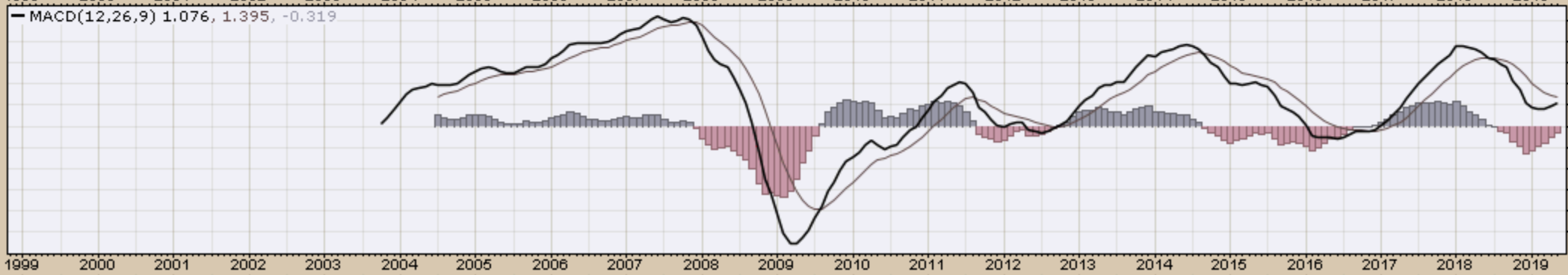
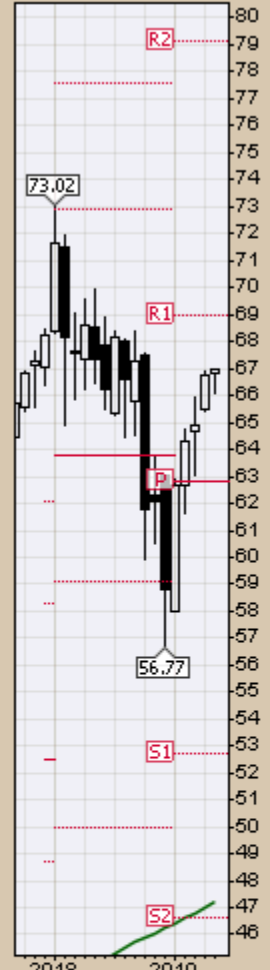
# CHART A18. DOW UTILITIES, MONTHLY CHART



*Select Global Equity Charts*

EFA (Monthly) 66.99  
MA(200) 47.21  
PIVOTS 46.61, 52.69, 62.86, 68.94, 79.11

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

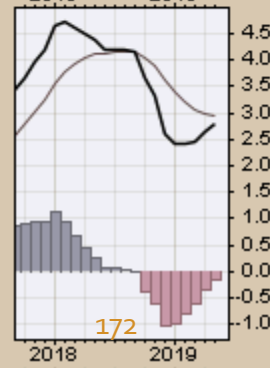
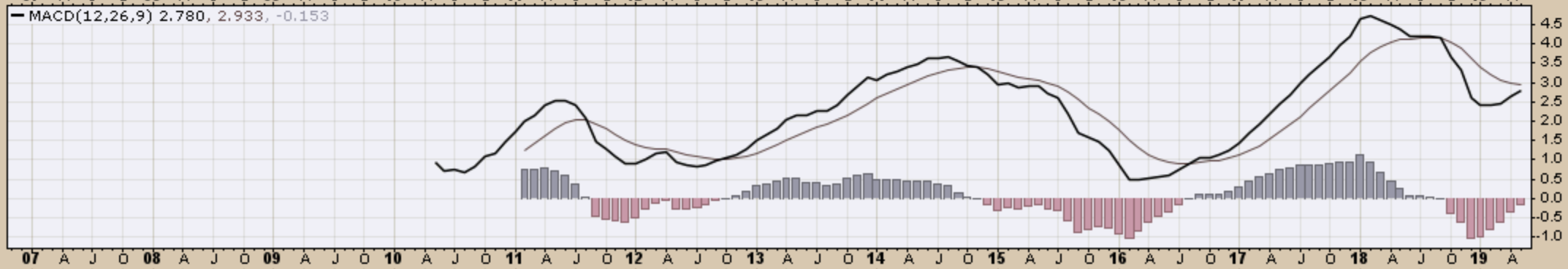
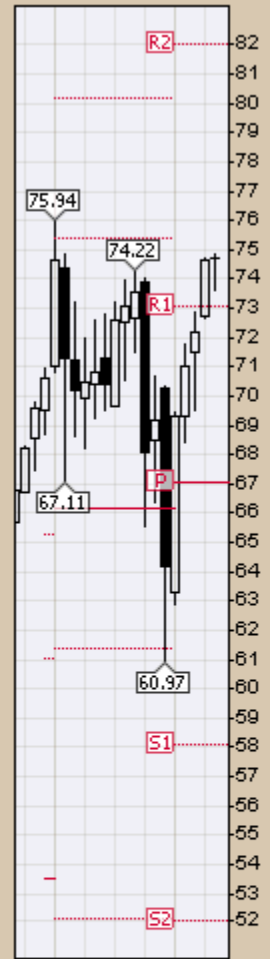
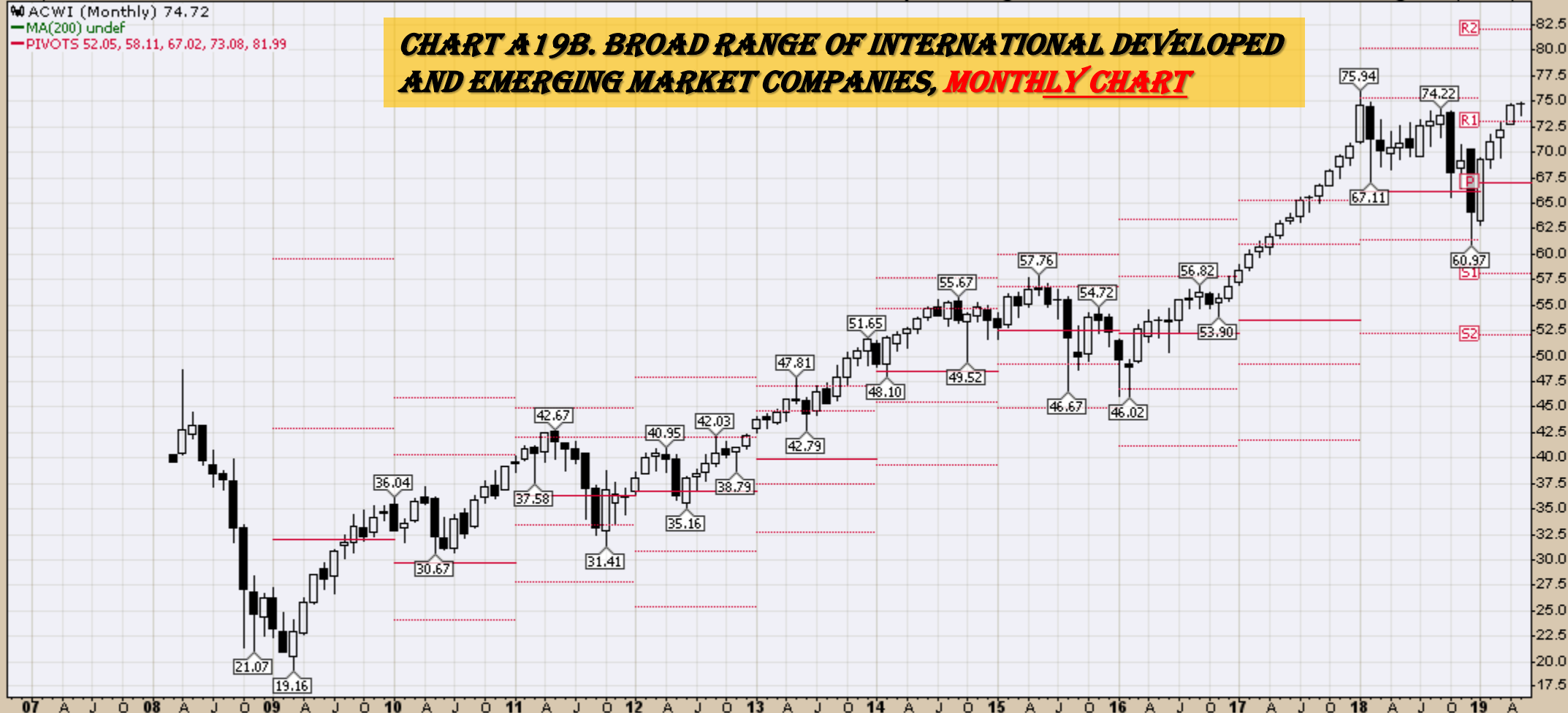


ACWI (Monthly) 74.72

MA(200) undef

PIVOTS 52.05, 58.11, 67.02, 73.08, 81.99

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

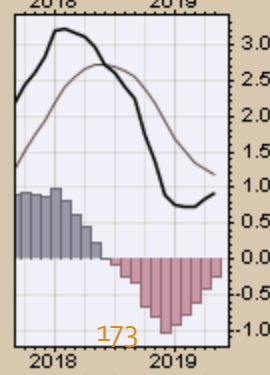
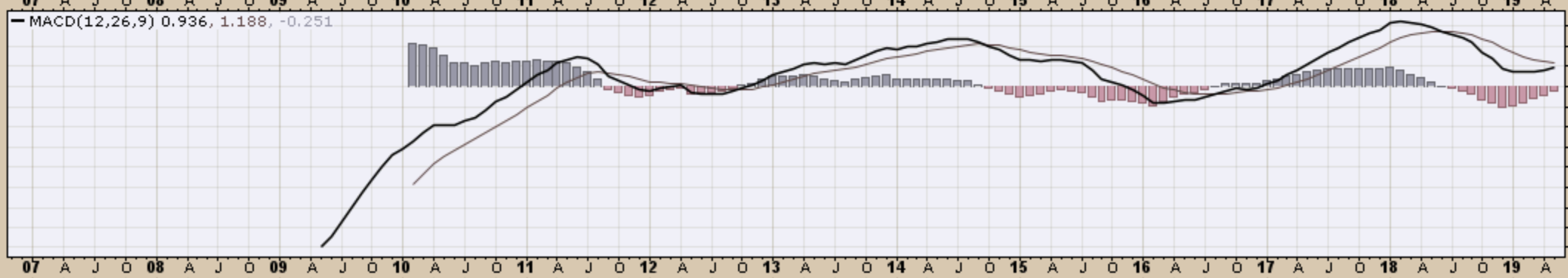
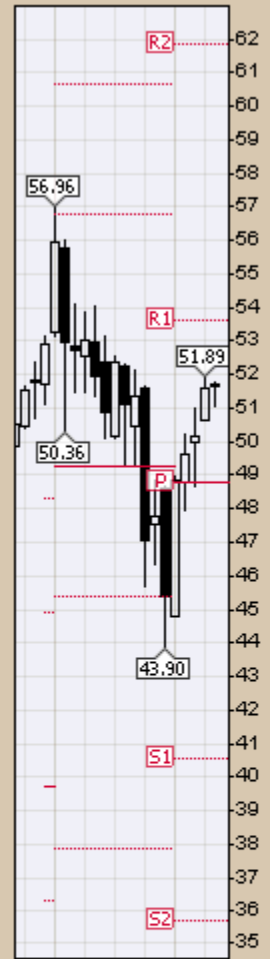
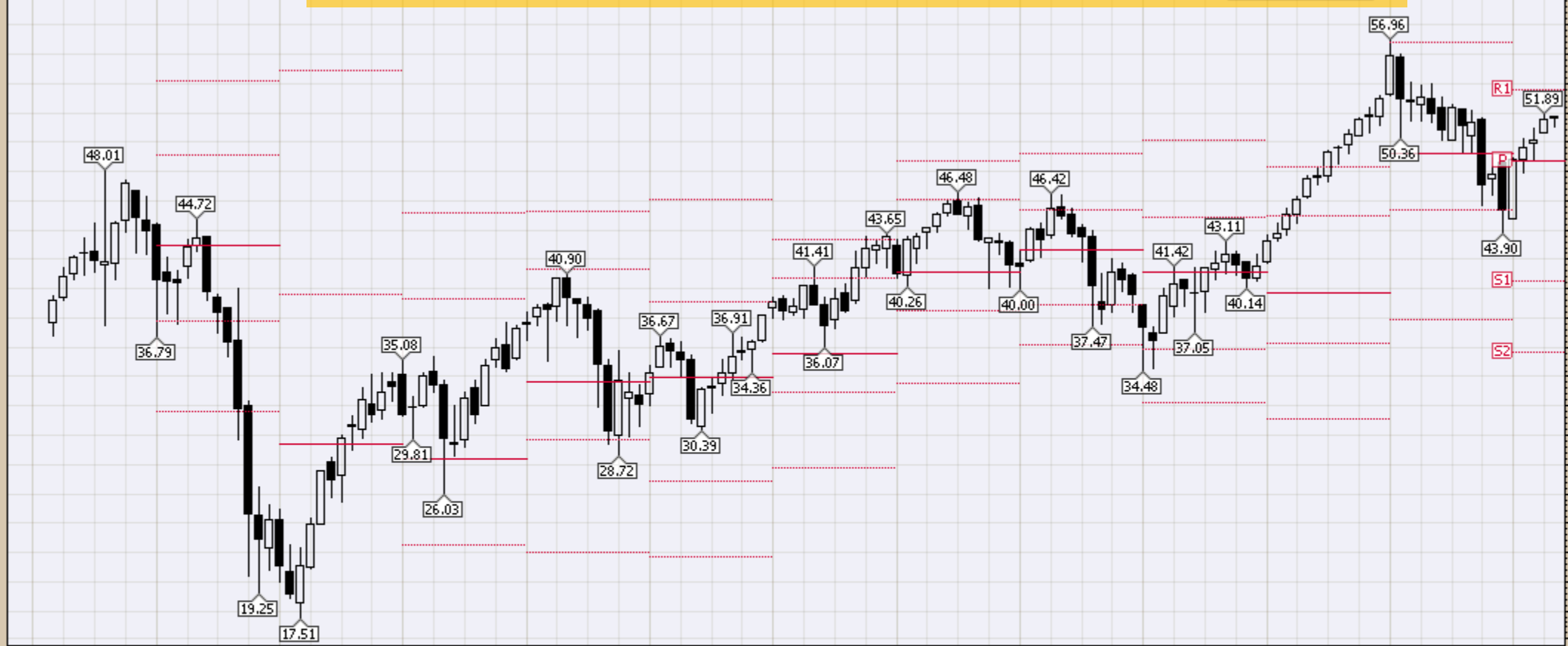


3-May-2019

Open 51.66 High 51.78 Low 51.06 Close 51.74 Volume 10.0M Chg +0.16 (+0.31%) ▲

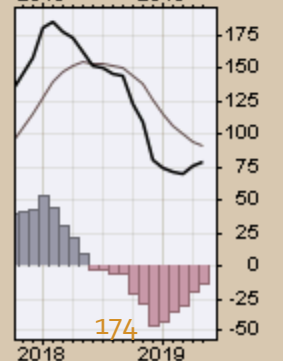
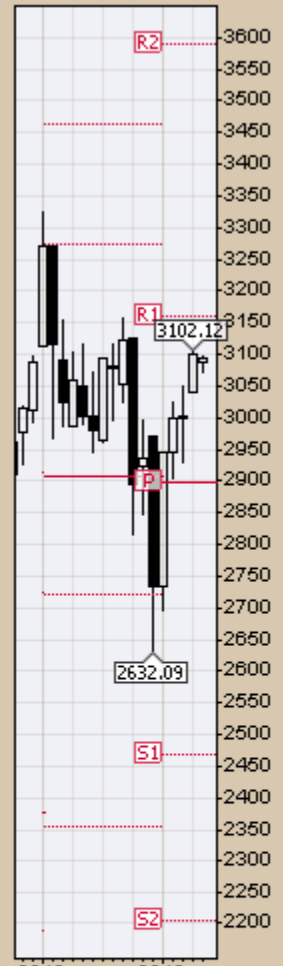
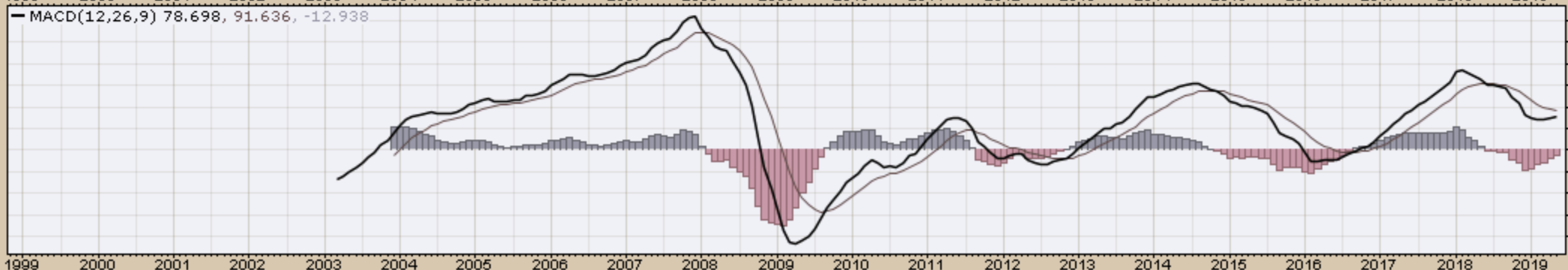
VEU (Monthly) 51.74  
MA(200) undef  
PIVOTS 35.70, 40.56, 48.76, 53.62, 61.82

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



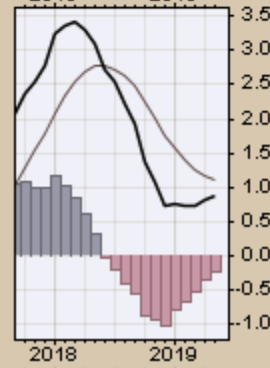
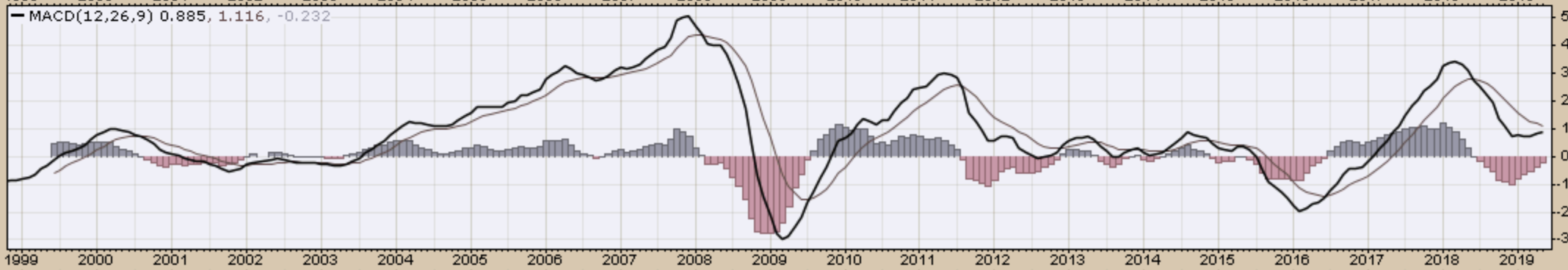
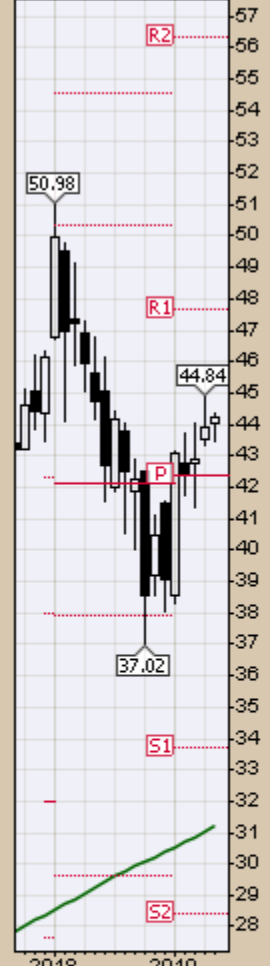
\$GDOW (Monthly) 3094.74  
MA(200) 2083.05  
PIVOTS 2205.09, 2469.75, 2896.74, 3161.40, 3588.39

**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**



EEM (Monthly) 44.22  
MA(200) 31.23  
PIVOTS 28.39, 33.73, 42.35, 47.68, 56.31

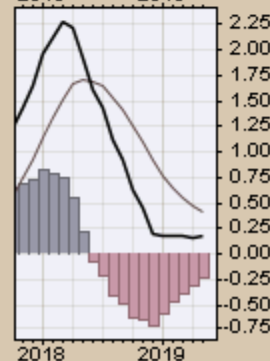
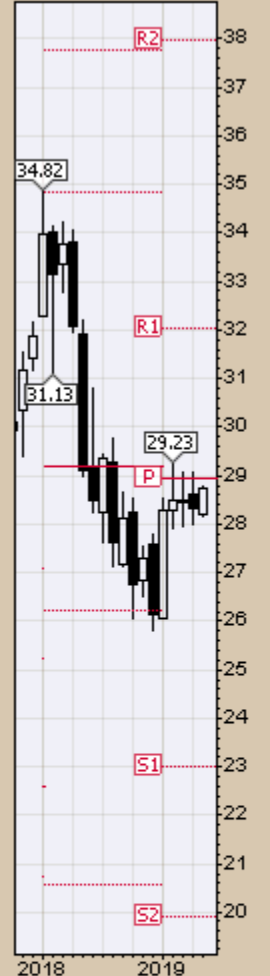
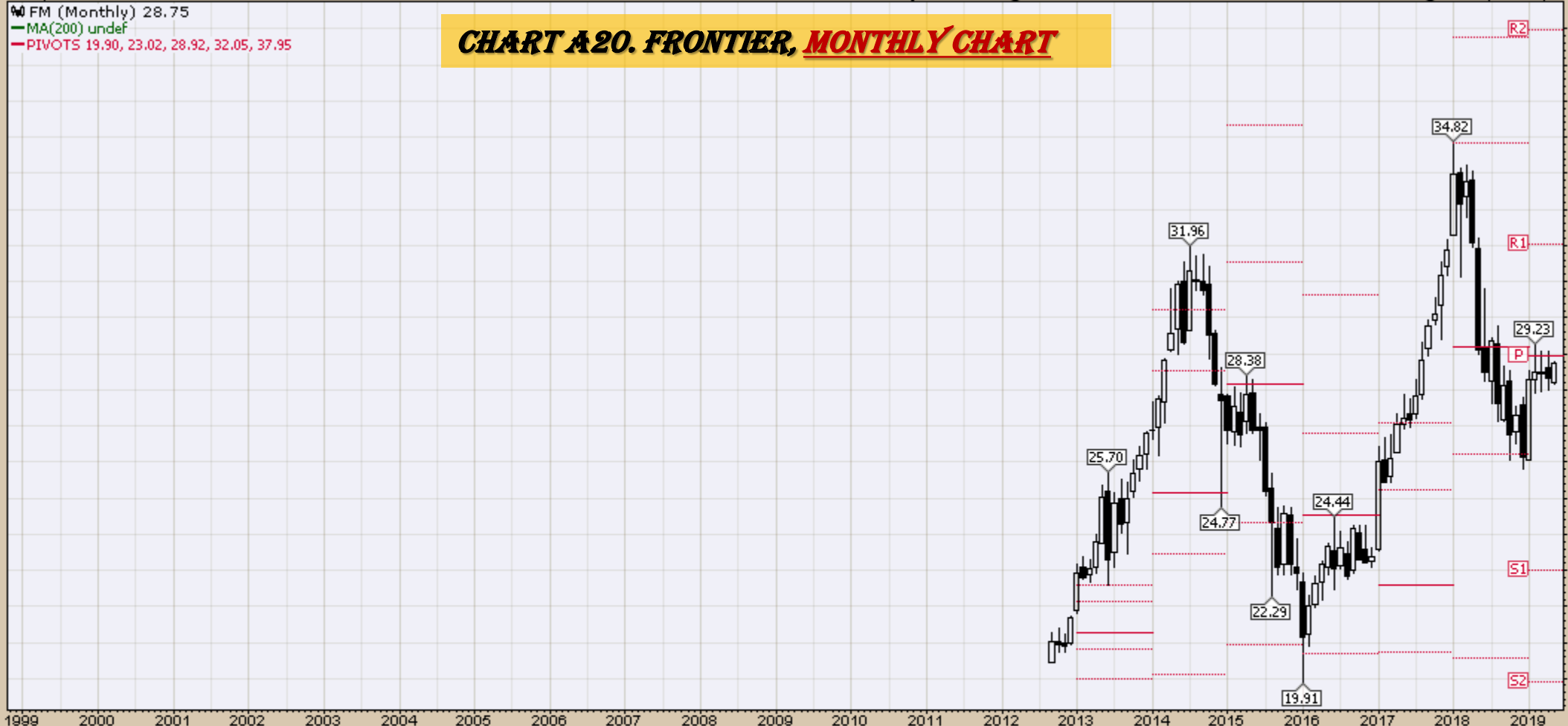
### CHART A20. EMERGING MARKETS, MONTHLY CHART





FM (Monthly) 28.75  
MA(200) undef  
PIVOTS 19.90, 23.02, 28.92, 32.05, 37.95

### CHART A20. FRONTIER, MONTHLY CHART

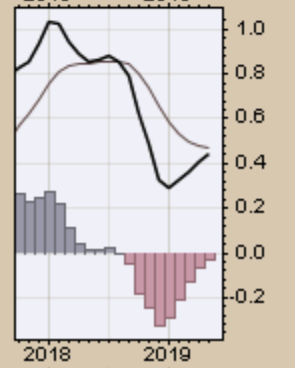
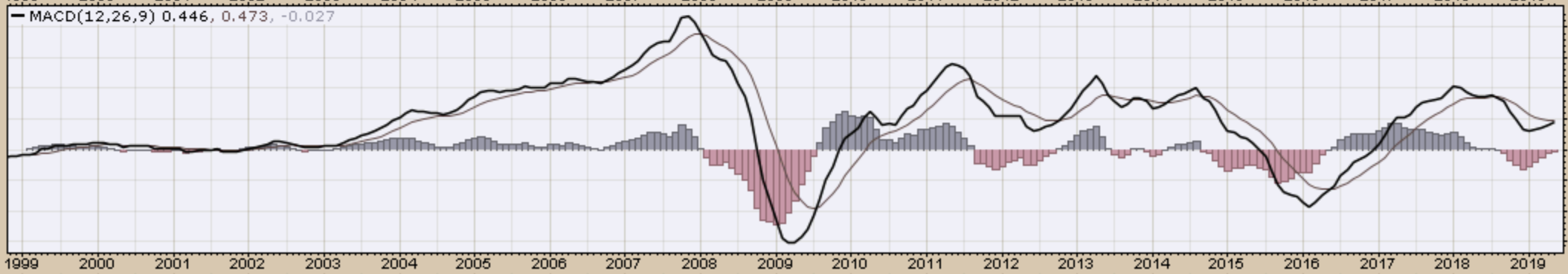
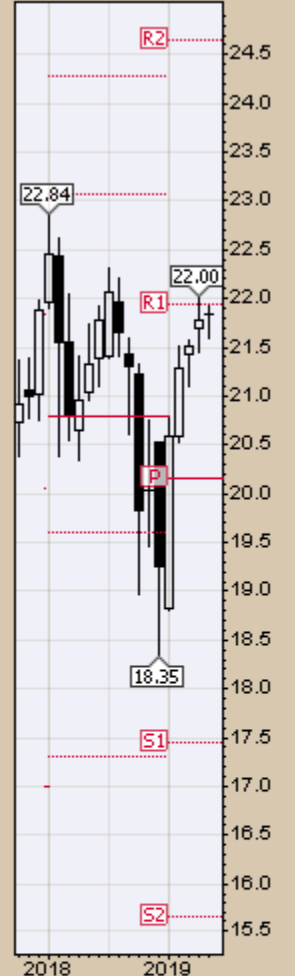
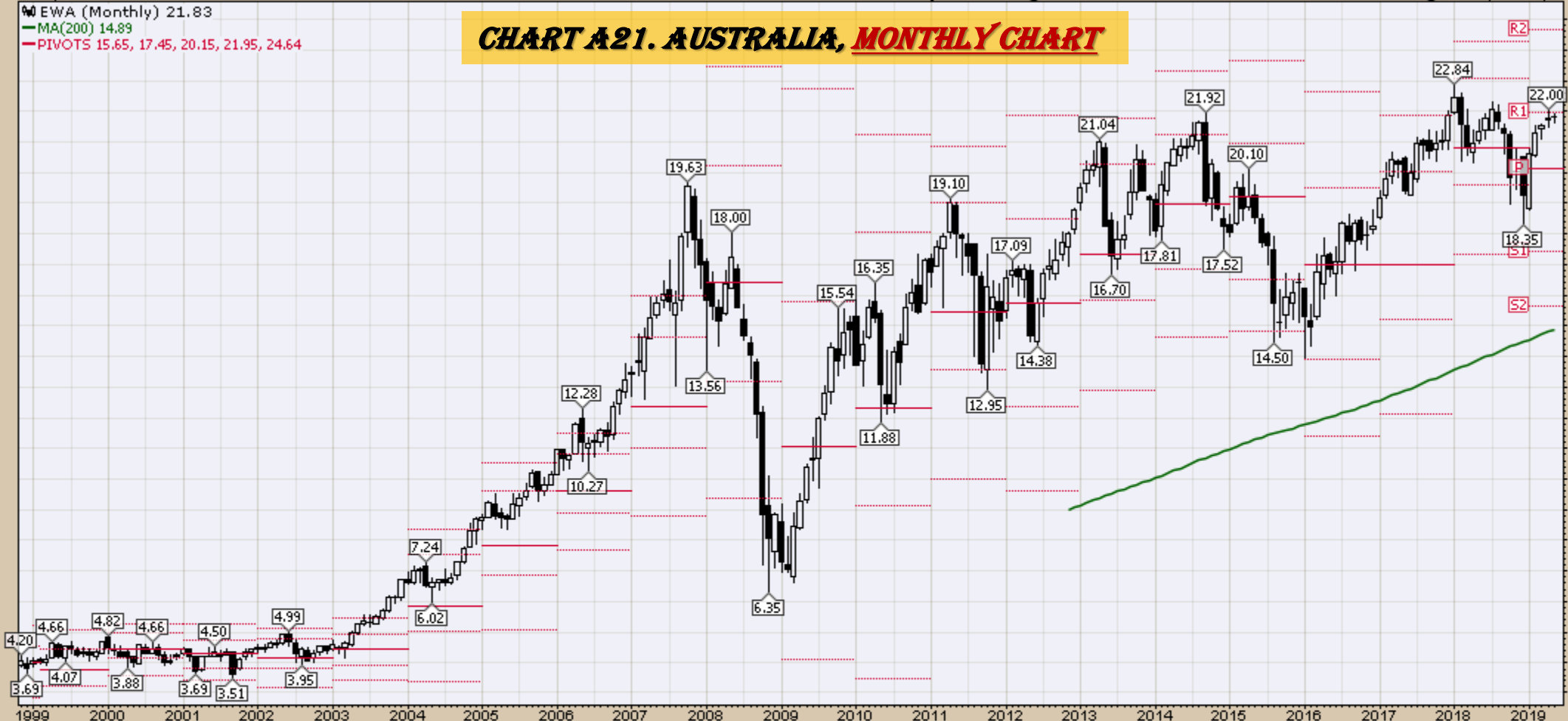


3-May-2019

Open 21.84 High 21.92 Low 21.60 Close 21.83 Volume 6.9M Chg +0.06 (+0.28%) ▲

EWA (Monthly) 21.83  
MA(200) 14.89  
PIVOTS 15.65, 17.45, 20.15, 21.95, 24.64

# CHART A21. AUSTRALIA, MONTHLY CHART

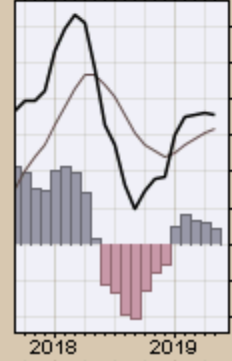
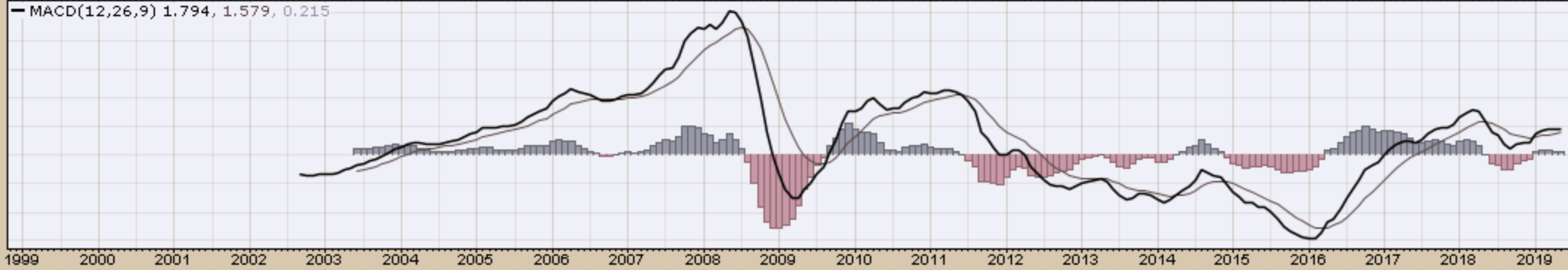


EWZ (Monthly) 41.19  
MA(200) 35.25  
PIVOTS 22.08, 30.14, 38.25, 46.31, 54.42

### CHART A22. BRAZIL, MONTHLY CHART

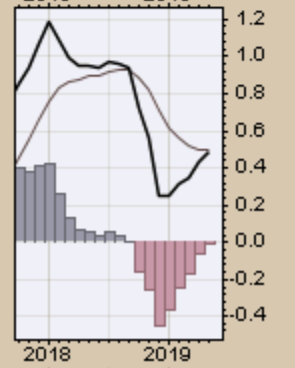
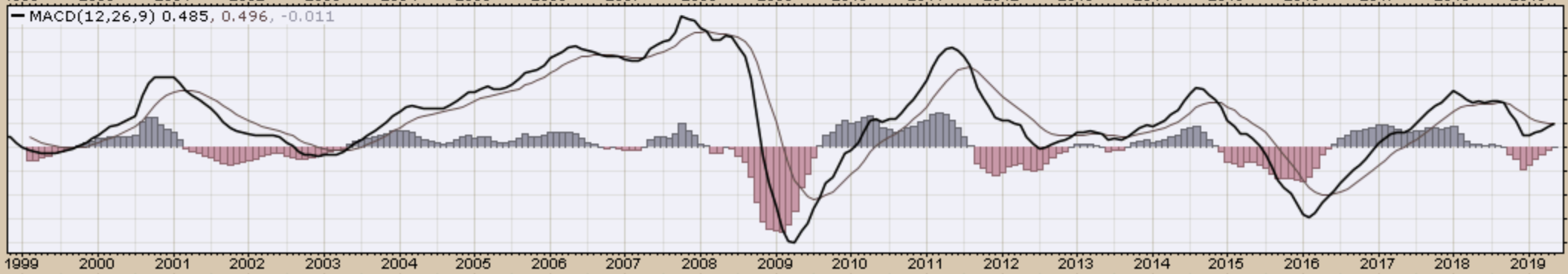
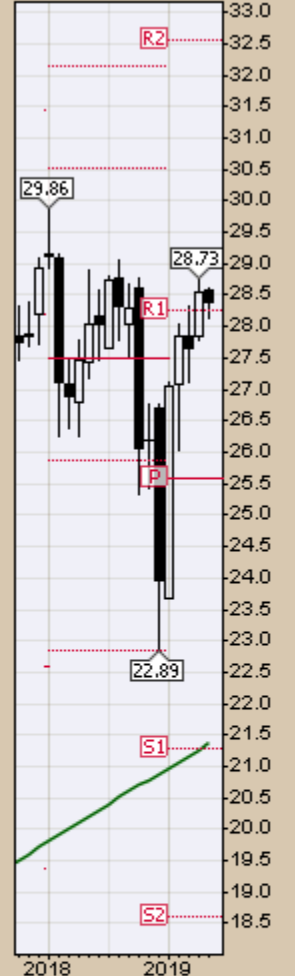


MACD(12,26,9) 1.794, 1.579, 0.215



EWC (Monthly) 28.38  
MA(200) 21.38  
PIVOTS 18.60, 21.28, 25.57, 28.25, 32.54

# CHART #23. CANADA, MONTHLY CHART

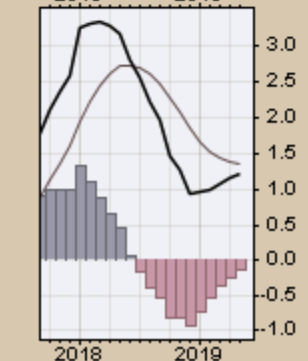
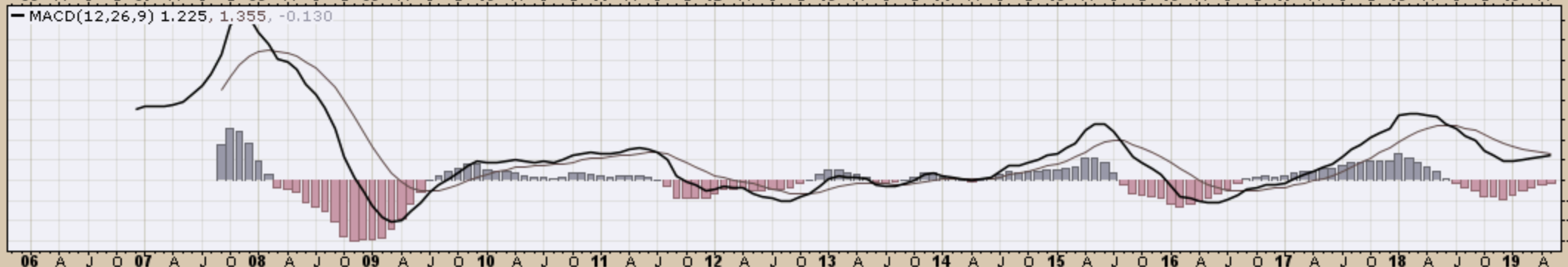
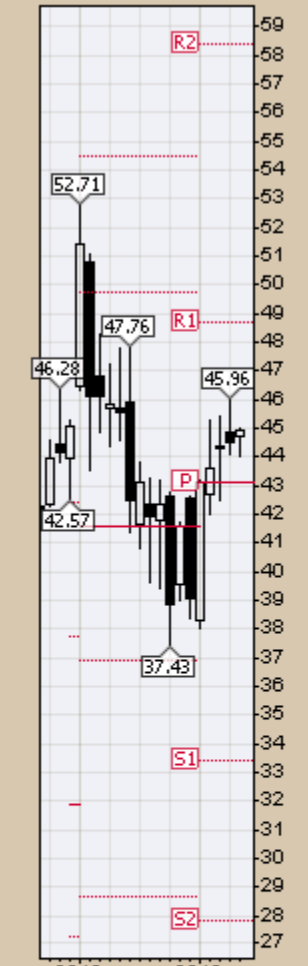
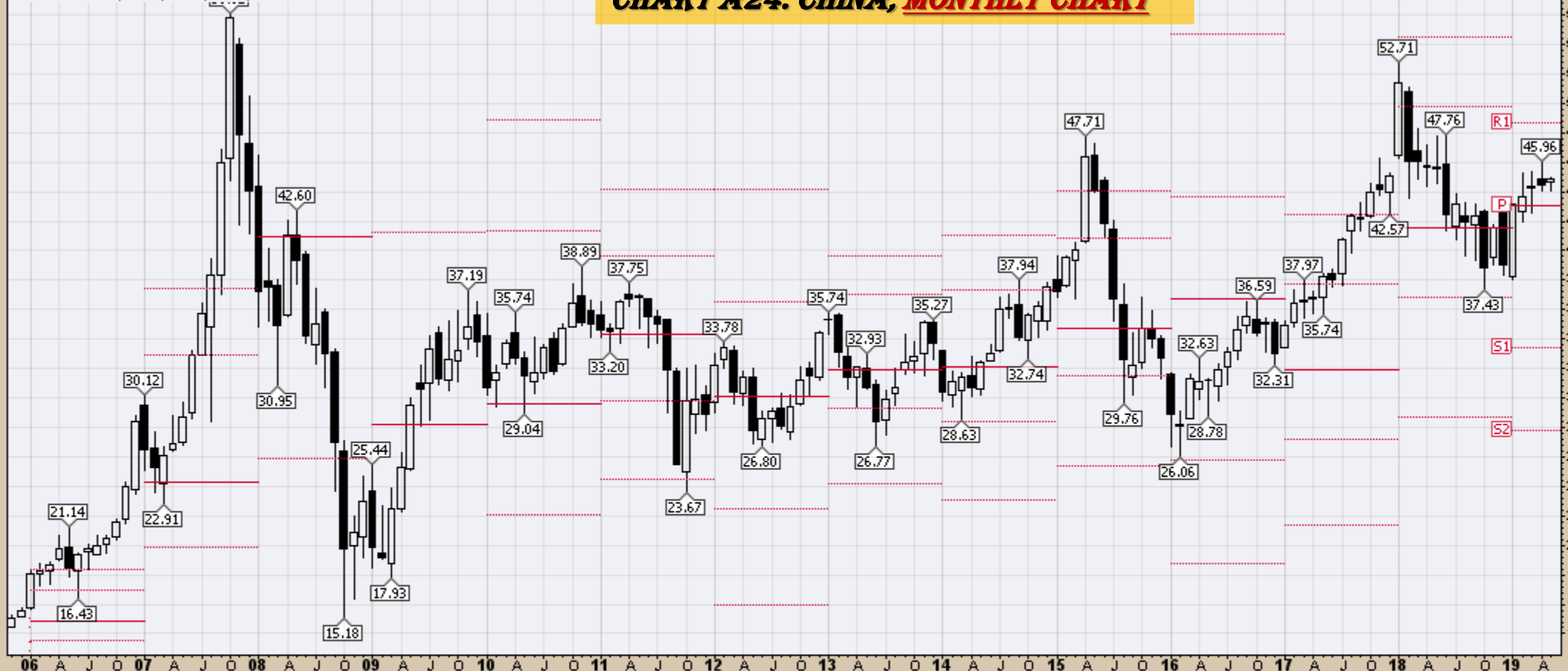


FXI (Monthly) 44.91

MA(200) undef

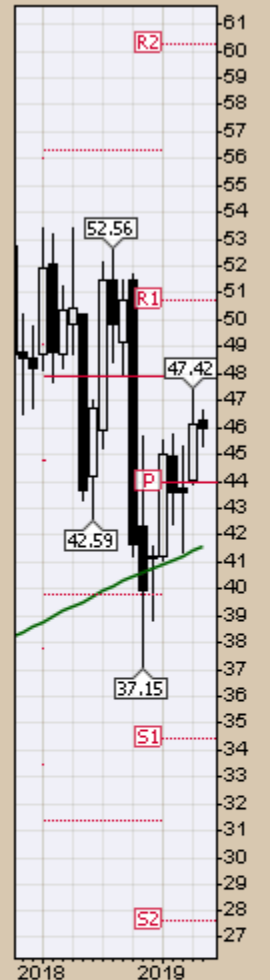
PIVOTS 27.79, 33.44, 43.07, 48.72, 58.35

# CHART A24. CHINA, MONTHLY CHART

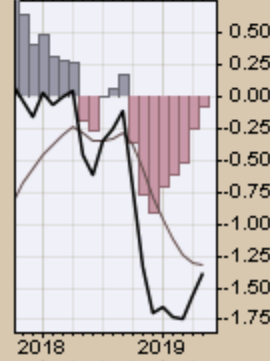
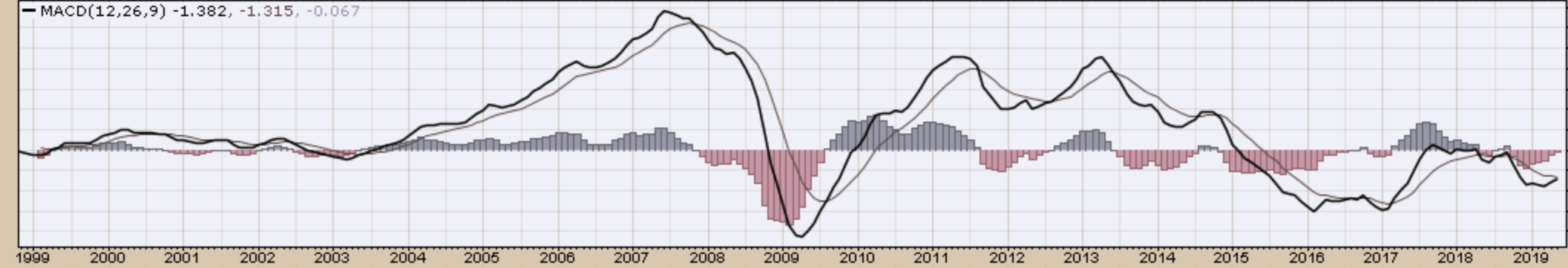


EWW (Monthly) 46.00  
MA(200) 41.59  
PIVOTS 27.62, 34.40, 43.93, 50.70, 60.23

### CHART A25. MEXICO, MONTHLY CHART

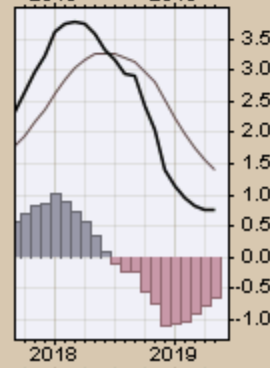
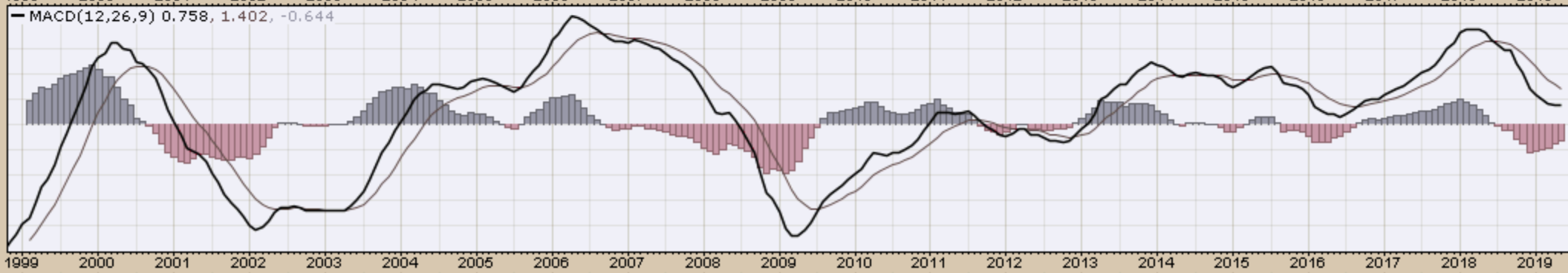
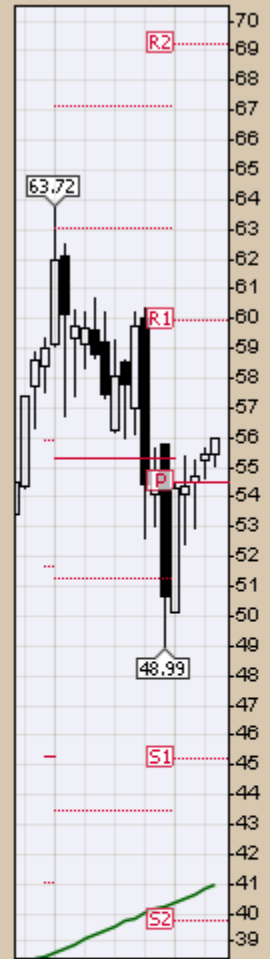
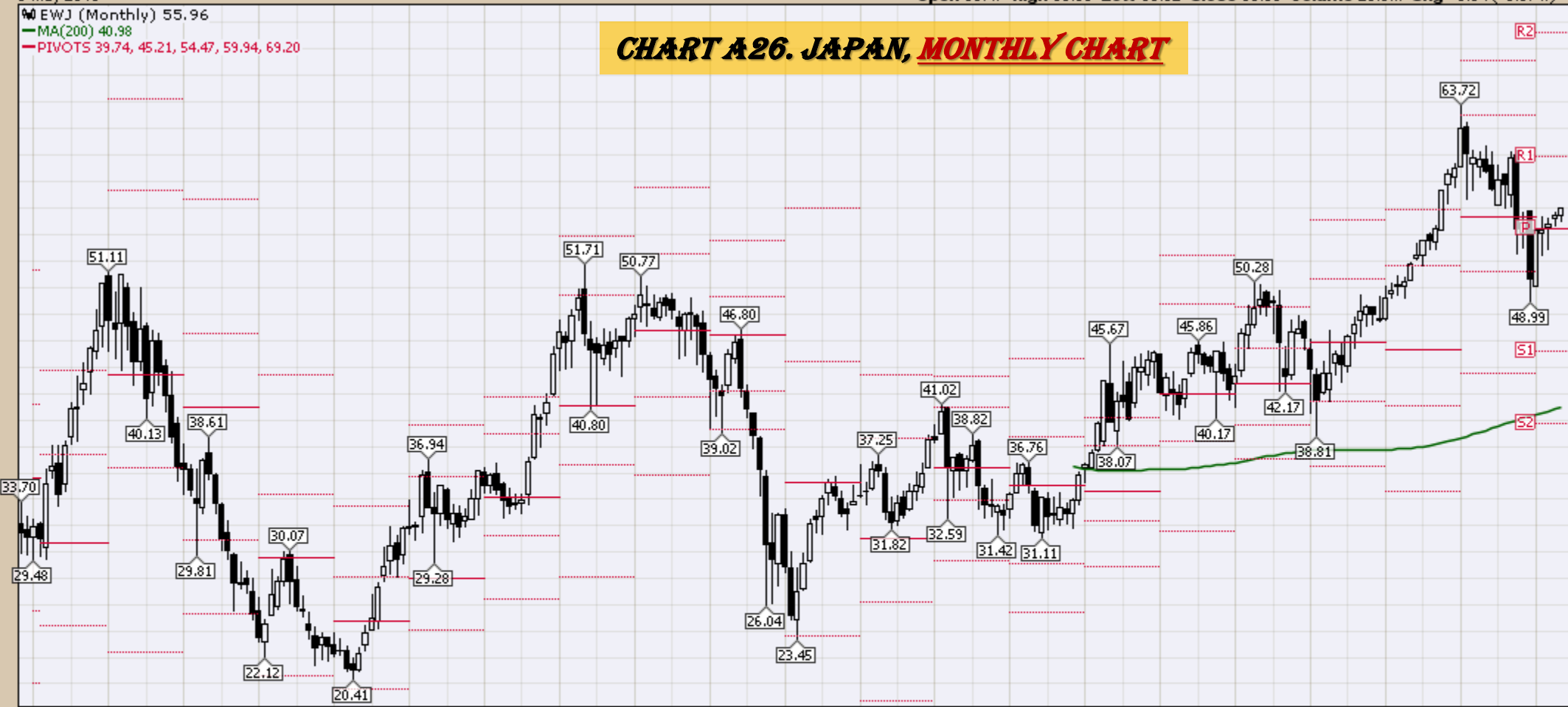


MACD(12,26,9) -1.382, -1.315, -0.067

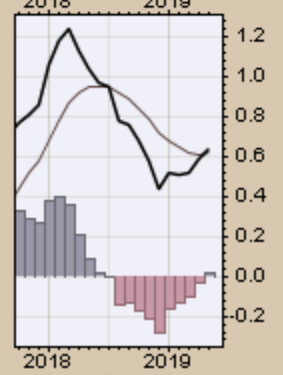
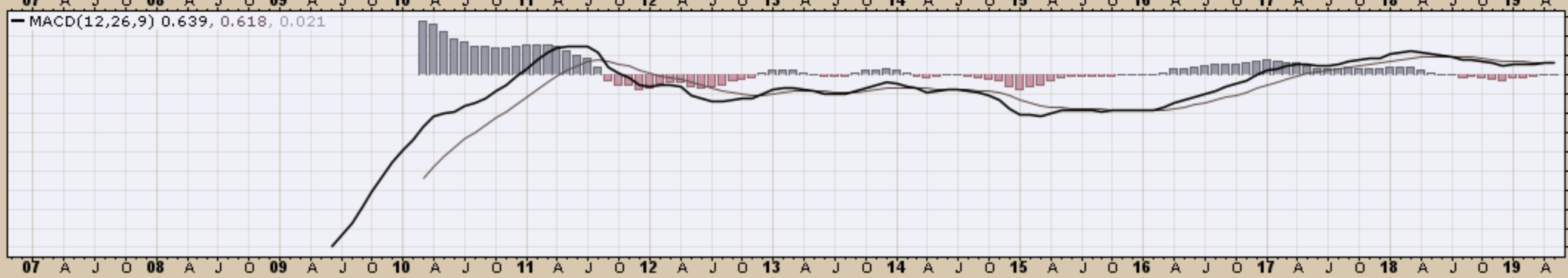
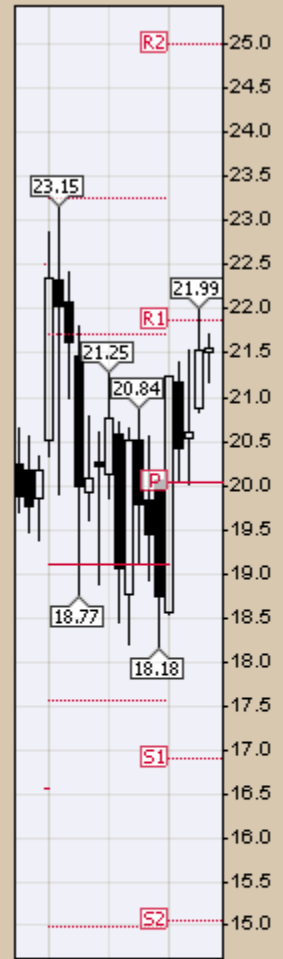


EWJ (Monthly) 55.96  
MA(200) 40.98  
PIVOTS 39.74, 45.21, 54.47, 59.94, 69.20

# CHART A26. JAPAN, MONTHLY CHART



# CHART A27. RUSSIA, MONTHLY CHART

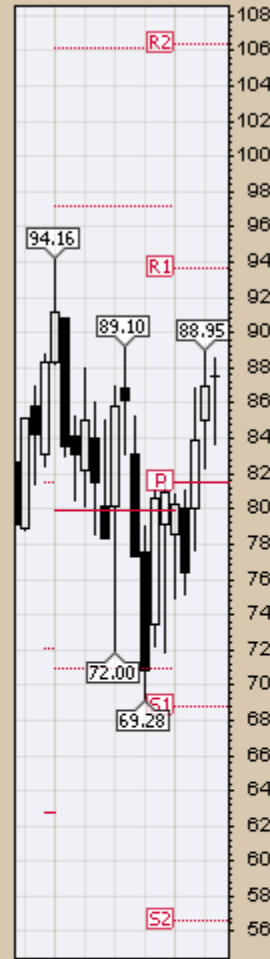
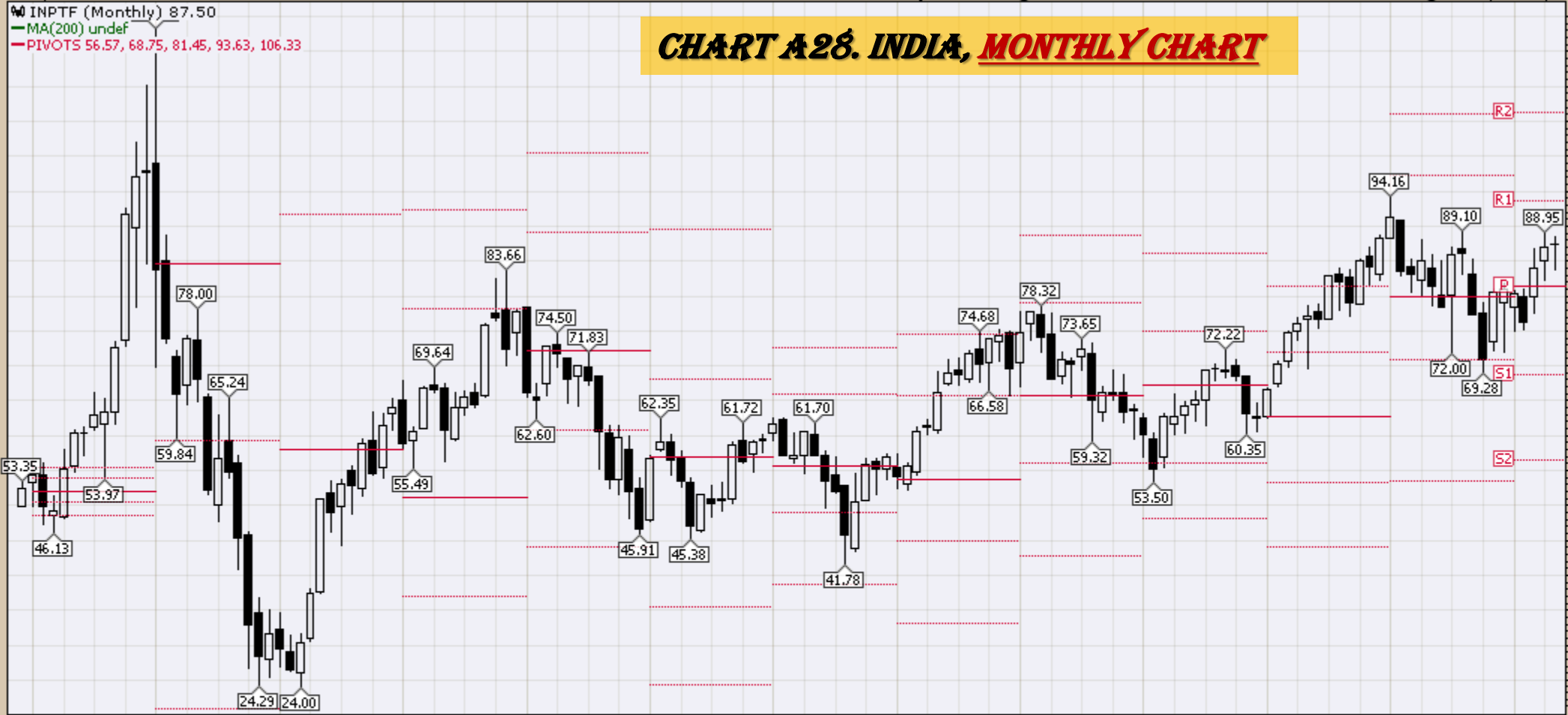




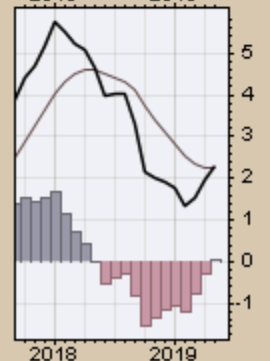
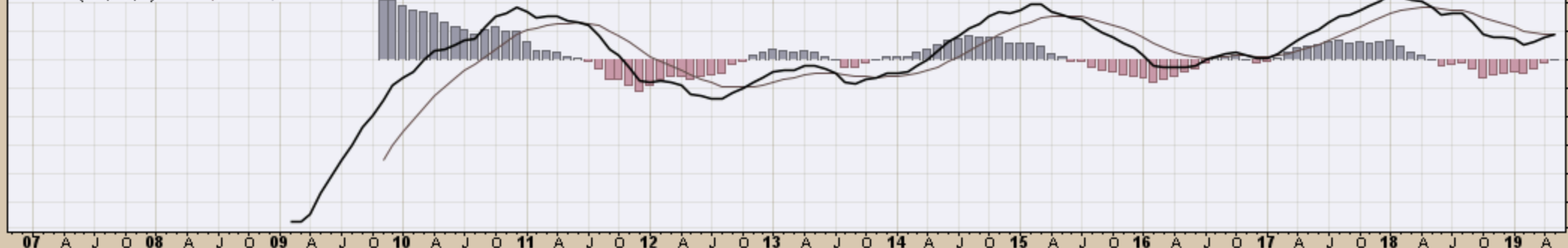
INPTF (Monthly) 87.50

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

# CHART A28. INDIA, MONTHLY CHART



MACD(12,26,9) 2.297, 2.267, 0.030



GXG (Monthly) 9.37

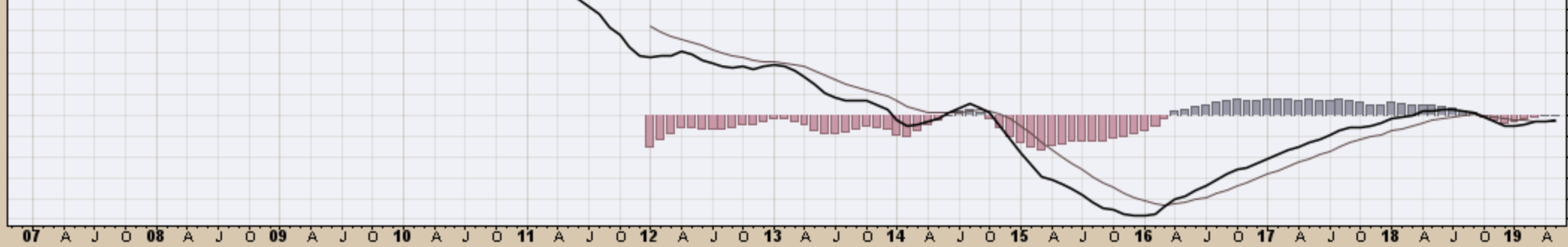
MA(200) undef

PIVOTS 4.98, 6.39, 8.78, 10.18, 12.57

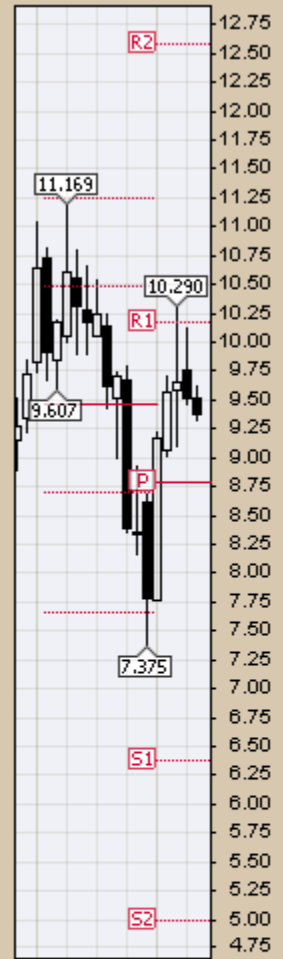


07 A J O 08 A J O 09 A J O 10 A J O 11 A J O 12 A J O 13 A J O 14 A J O 15 A J O 16 A J O 17 A J O 18 A J O 19 A

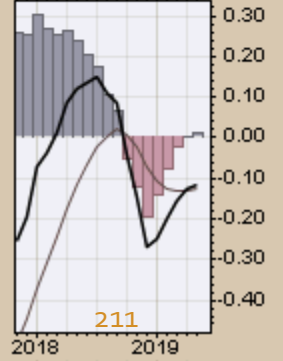
MACD(12,26,9) -0.115, -0.127, 0.012



07 A J O 08 A J O 09 A J O 10 A J O 11 A J O 12 A J O 13 A J O 14 A J O 15 A J O 16 A J O 17 A J O 18 A J O 19 A



2018 2019



2018 2019

*CRB Commodity Index*  
*Weekly, Daily and Monthly Charts*

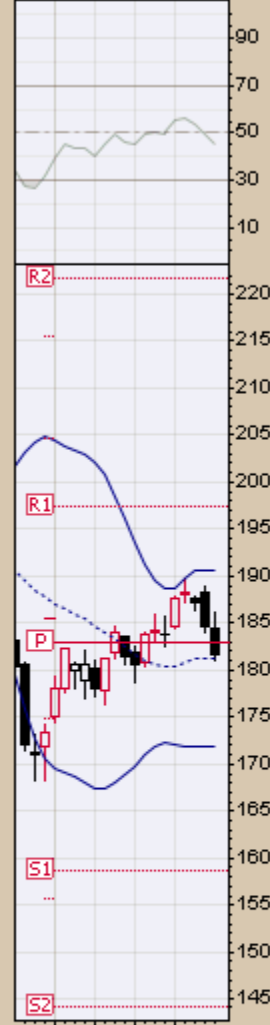
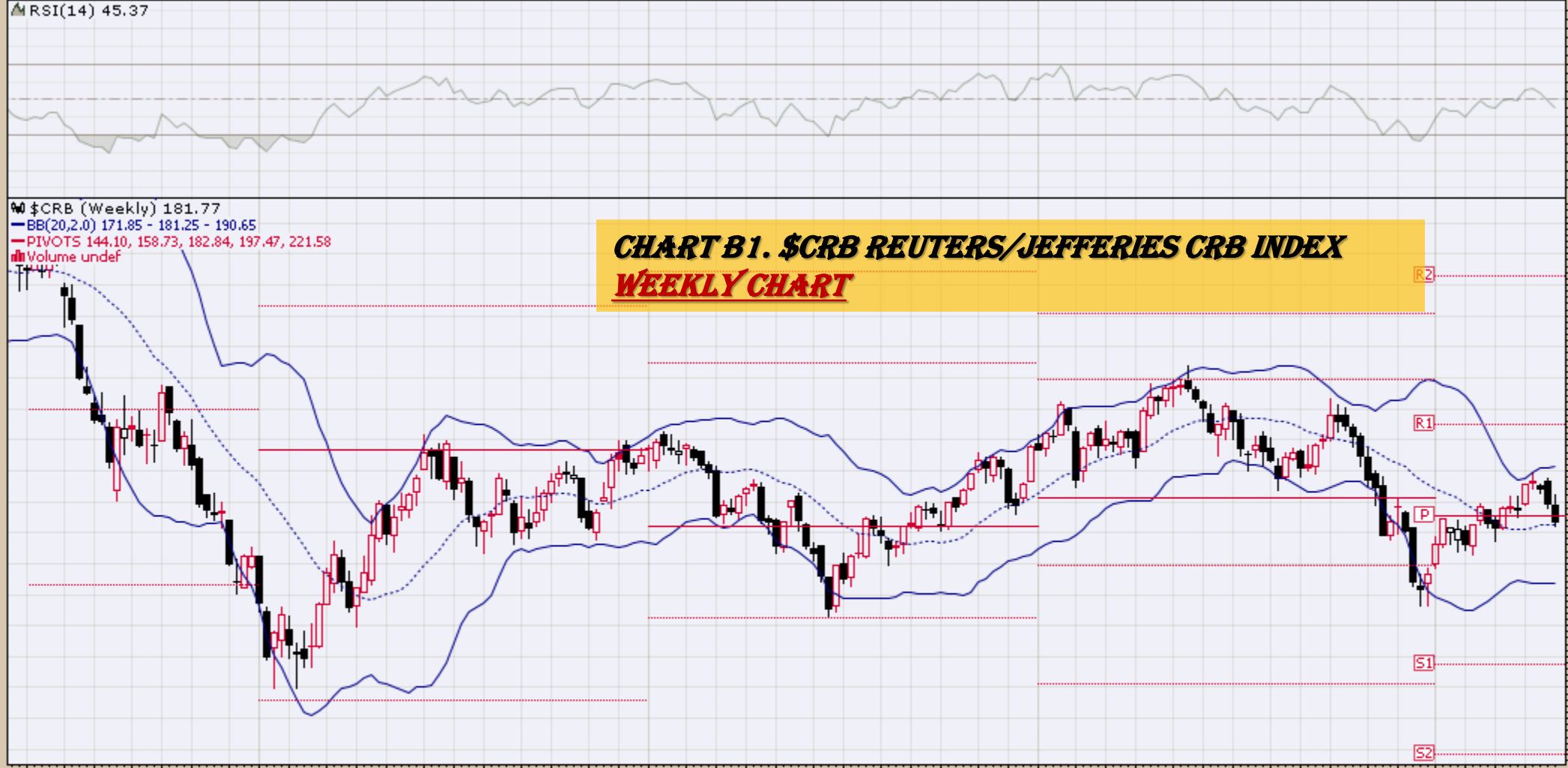
3-May-2019

Open 184.35 High 186.07 Low 181.11 Close 181.77 Chg -2.89 (-1.56%)

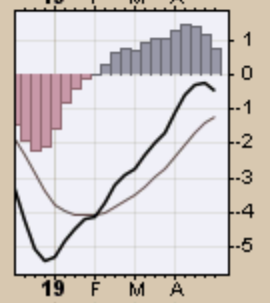
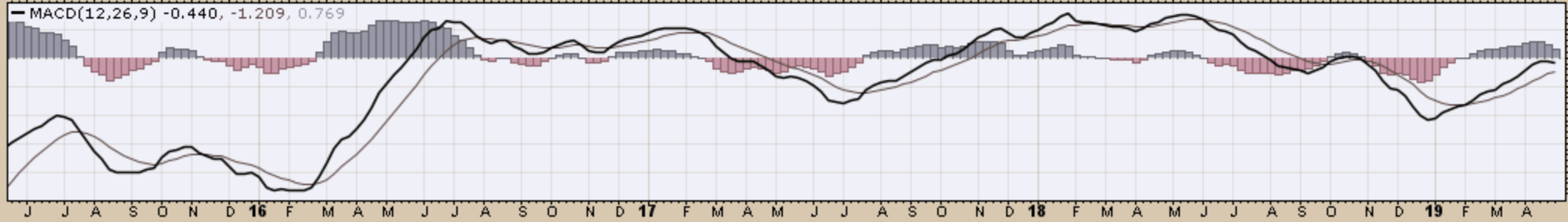
▲ RSI(14) 45.37

▲ \$CRB (Weekly) 181.77  
— BB(20,2.0) 171.85 - 181.25 - 190.65  
— PIVOTS 144.10, 158.73, 182.84, 197.47, 221.58  
■ Volume undef

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

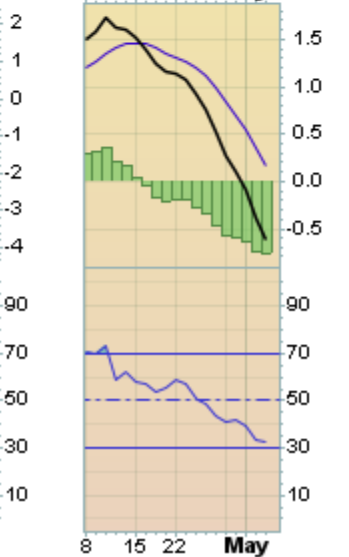
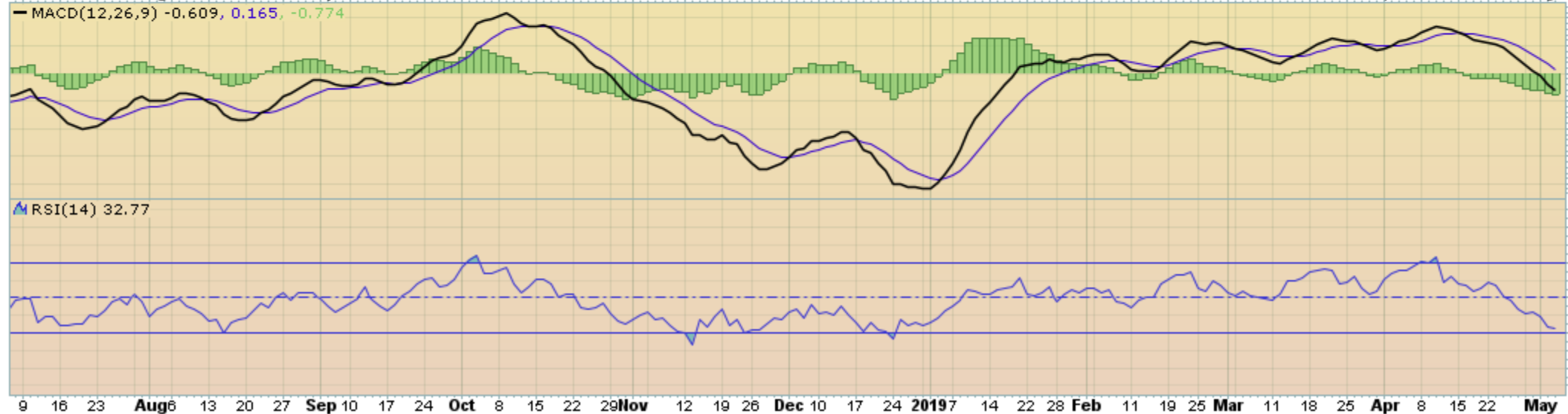
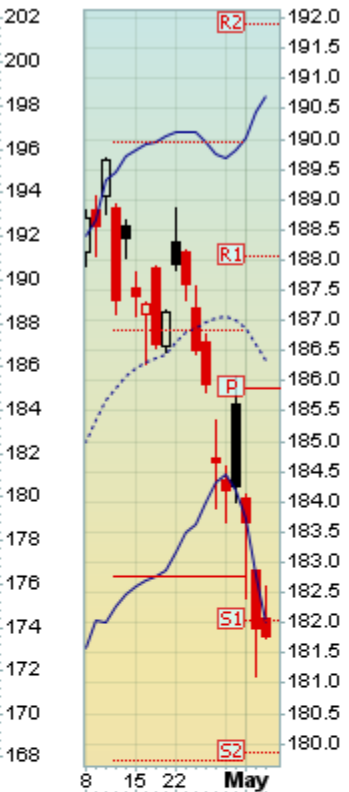


— MACD(12,26,9) -0.440, -1.209, 0.769



3-May-2019

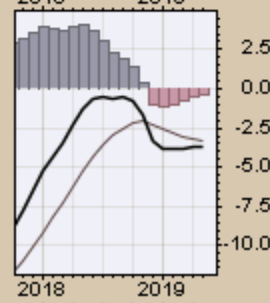
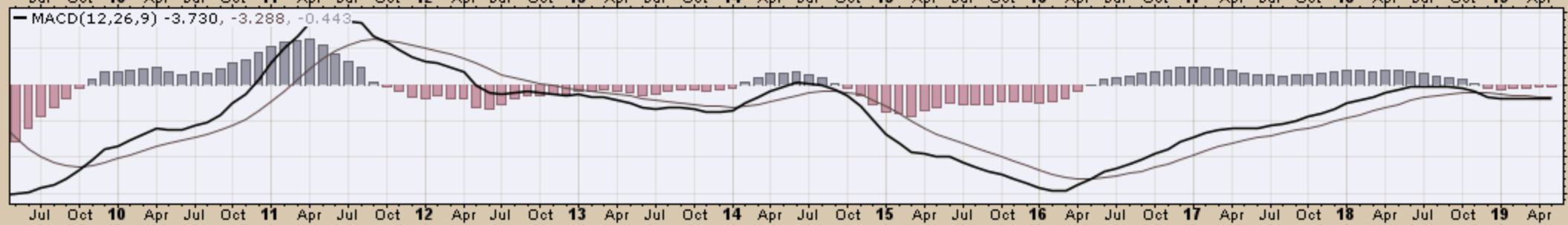
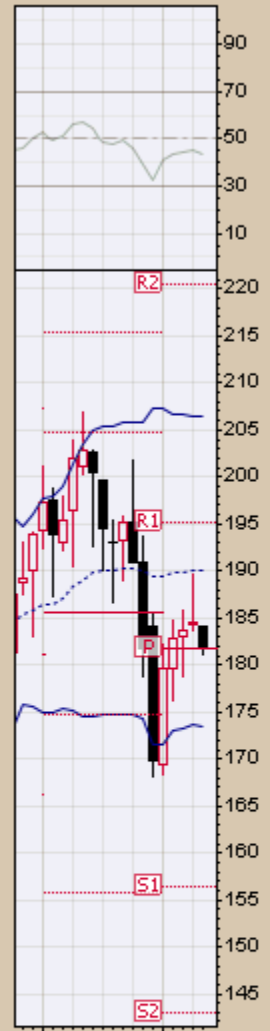
Open 182.08 High 182.59 Low 181.73 Close 181.77 Chg -0.13 (-0.07%)



▲ RSI(14) 43.36

▲ \$CRB (Monthly) 181.77  
— BB(20,2,0) 173.44 - 189.99 - 206.54  
— PIVOTS 142.91, 156.36, 181.65, 195.10, 220.39  
■ Volume undef

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



3-May-2019

Open 184.63 High 189.68 Low 181.11 Close 181.77 Chg -1.98 (-1.08%)

MACD(12,26,9) -22.454, -24.589, 2.135

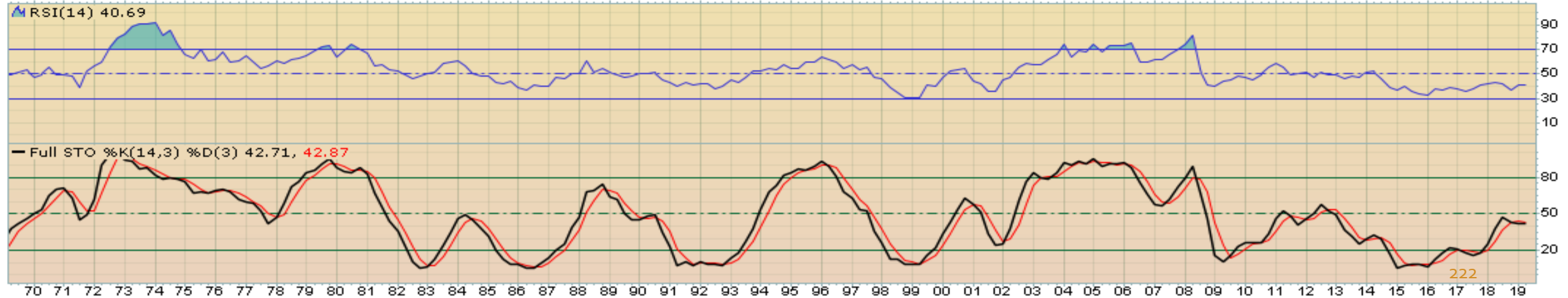
% \$CRB (Quarterly) 181.77

MA(50) 261.72

MA(200) 232.40

EMA(20) 204.39

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



3-May-2019

Open 184.06 High 184.11 Low 181.11 Close 181.77 Chg -2.48 (-1.34%)

— \$CRB (Monthly) 181.77  
— MA(200) 269.29  
■ Volume undef

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





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

3-May-2019

Open 62.95 High 64.75 Low 60.95 Close 61.94 Volume 360.6M Chg -1.36 (-2.15%)

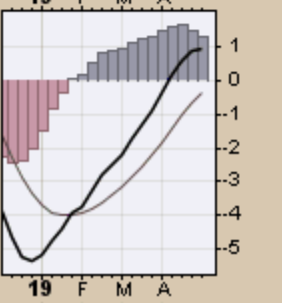
▲ CMF(20) 0.176

● \$WTIC (Weekly) 61.94  
— BB(20,2.0) 45.08 - 56.26 - 67.45  
— PIVOTS 21.20, 34.58, 55.74, 69.12, 90.28

**CHART B6. \$WTIC, WEEKLY CHART**



— MACD(12,26,9) 0.959, -0.330, 1.289



# \$WTIC Light Crude Oil - Continuous Contract (EOD) CME

3-May-2019

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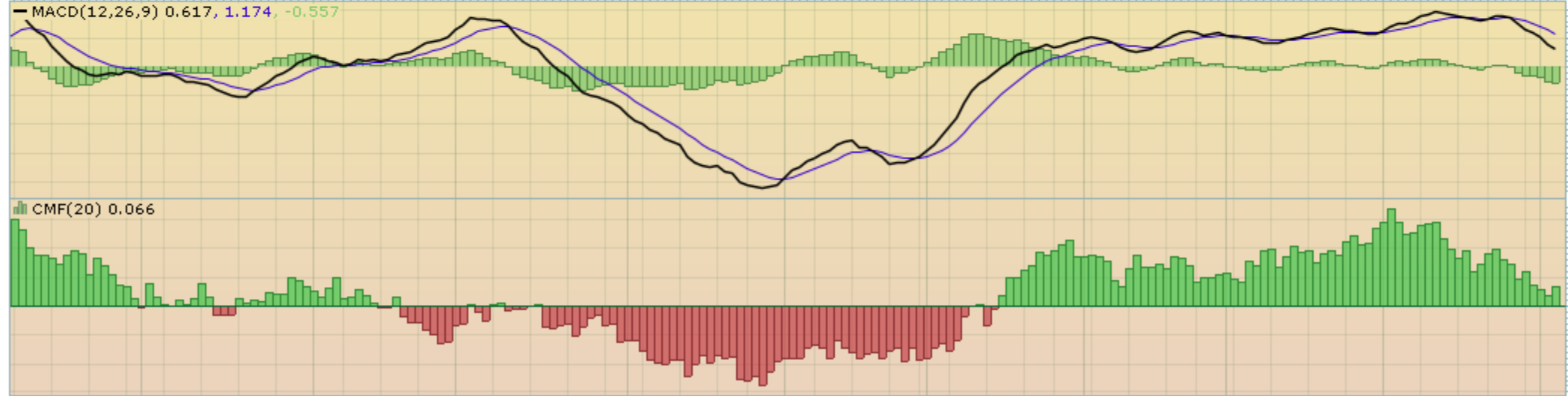
Open 61.55 High 62.52 Low 61.30 Close 61.94 Volume 64.2M Chg +0.13 (+0.21%) ▲

Light Crude Oil - Continuous Contract (EOD) (Daily) 61.94  
BB(20,2.0) 61.78 - 64.00 - 66.22  
PIVOTS 57.08, 60.49, 63.55, 66.96, 70.02

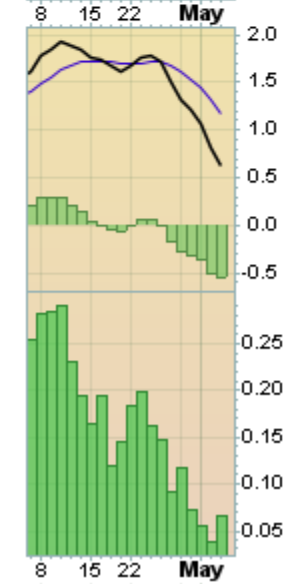
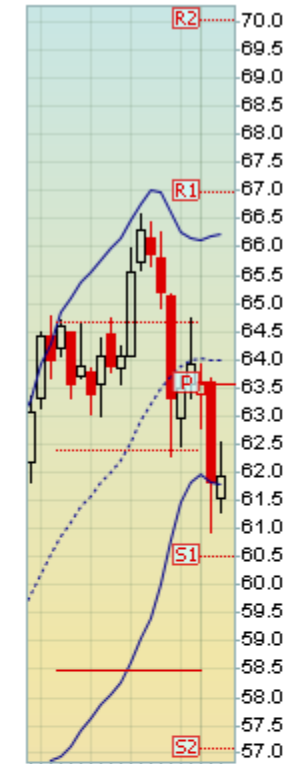
## CHART B7. \$WTIC, DAILY CHART



9 16 23 Aug 6 13 20 27 Sep 10 17 24 Oct 8 15 22 29 Nov 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



9 16 23 Aug 6 13 20 27 Sep 10 17 24 Oct 8 15 22 29 Nov 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



▲ CMF(20) 0.270 (30 Apr)

### CHART B8. \$WTIC, MONTHLY CHART

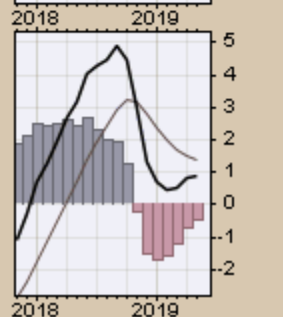
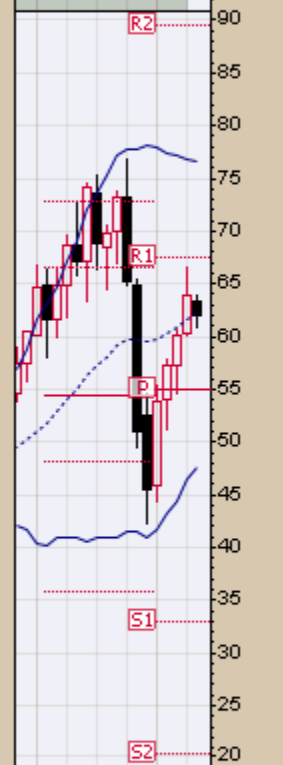
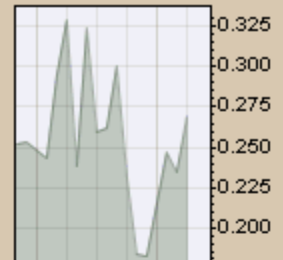
▲ \$WTIC (Monthly) 61.94

— BB(20,2.0) 47.68 - 62.19 - 76.70

— PIVOTS 20.35, 32.88, 54.89, 67.42, 89.43



— MACD(12,26,9) 0.921, 1.409, -0.488



3-May-2019

Open 63.40 High 63.93 Low 60.95 Close 61.94 Volume 221.9M Chg -1.97 (-3.08%)

— \$WTIC (Monthly) 61.94  
— MA(200) 68.14

**CHART B9. \$WTIC, MONTHLY CHART**



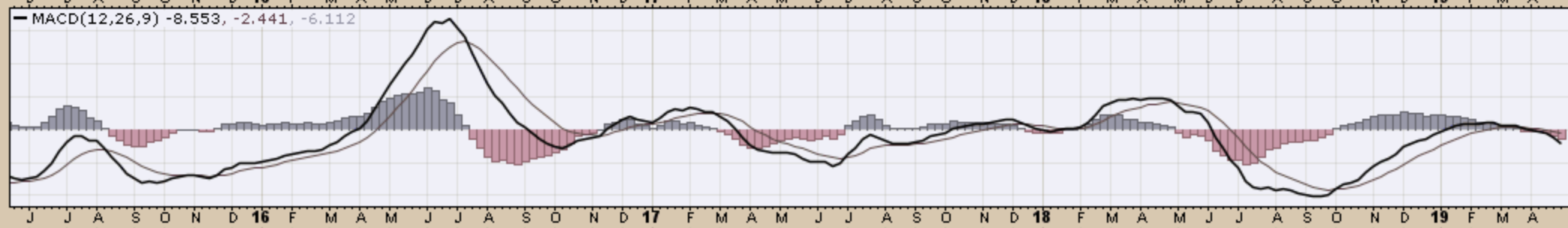
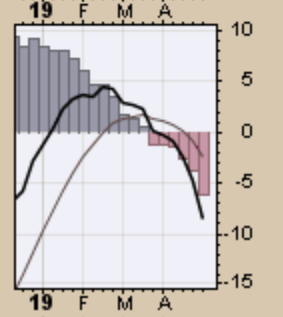
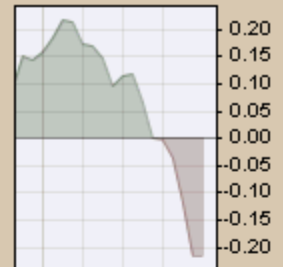
*Soybeans*  
*Weekly, Daily and Monthly Charts*

3-May-2019

Open 868.25 High 873.00 Low 840.50 Close 842.25 Volume 570.4K Chg -24.75 (-2.85%)

▲ CMF(20) -0.218

### CHART B10. SOYBEANS, WEEKLY CHART



**\$SOYB Soybeans - Continuous Contract (EOD) CME**

3-May-2019

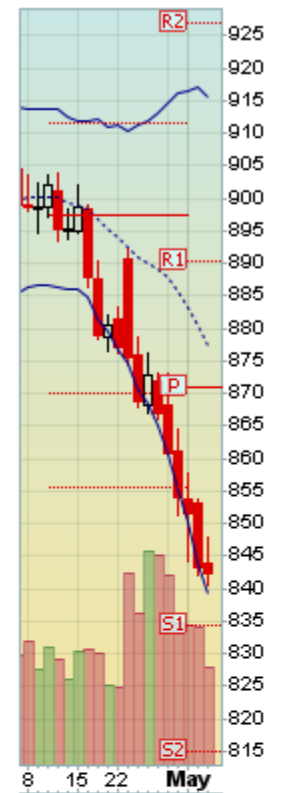
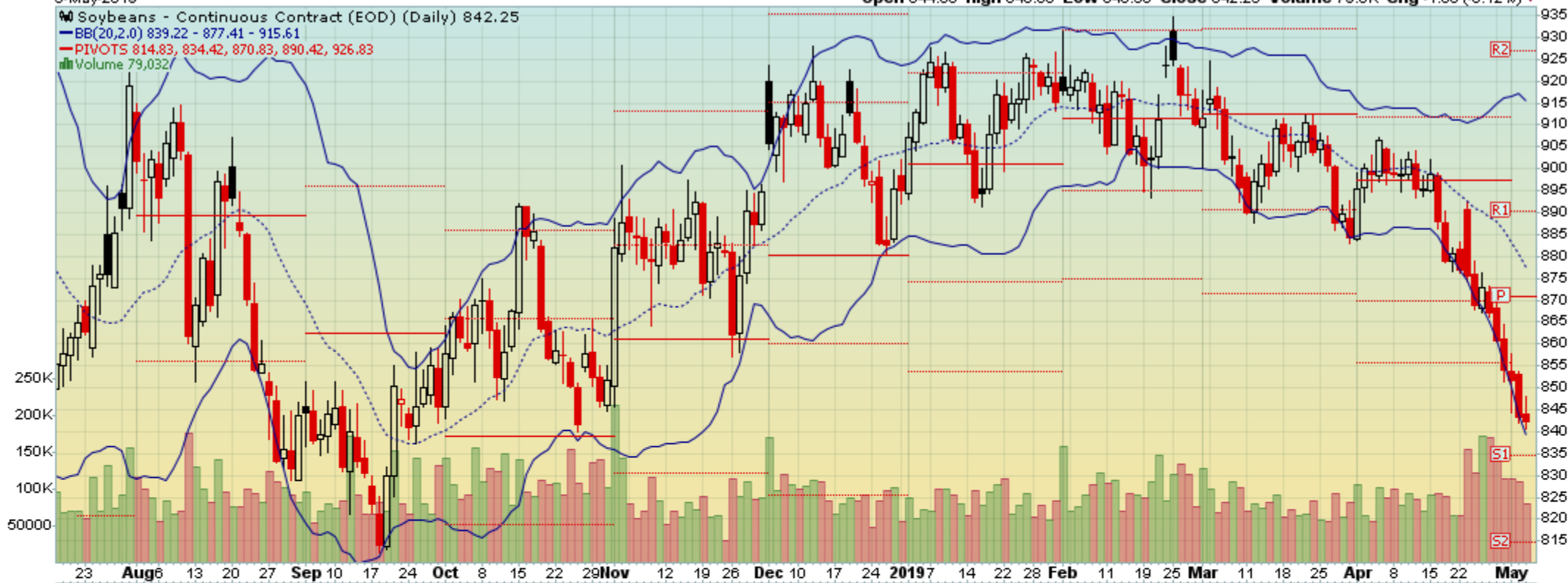
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Open 844.00 High 848.00 Low 840.50 Close 842.25 Volume 79.0K Chg -1.00 (-0.12%)

BB(20,2.0) 839.22 - 877.41 - 915.61

PIVOTS 814.83, 834.42, 870.83, 890.42, 926.83

Volume 79,032

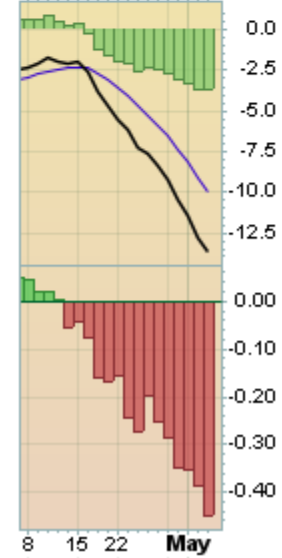
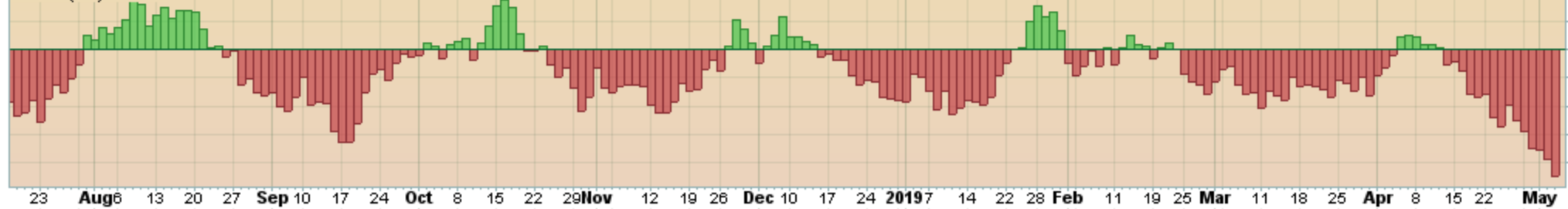


MACD(12,26,9) -13.712, -10.006, -3.707



**CHART B11. SOYBEANS, DAILY CHART**

CMF(20) -0.451





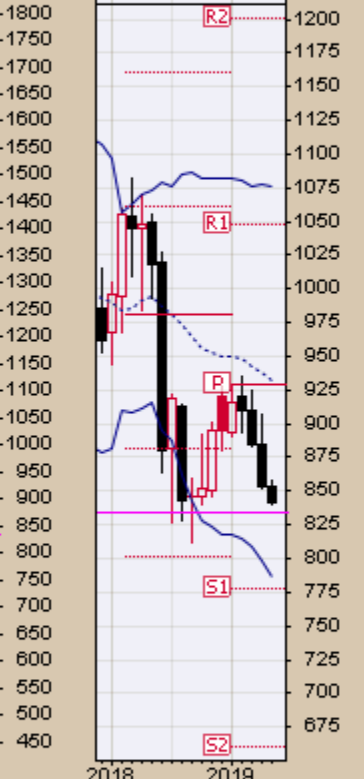
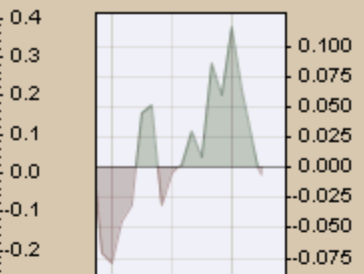
3-May-2019

Open 853.75 High 857.75 Low 840.50 Close 842.25 Volume 302.4K Chg -11.75 (-1.38%)

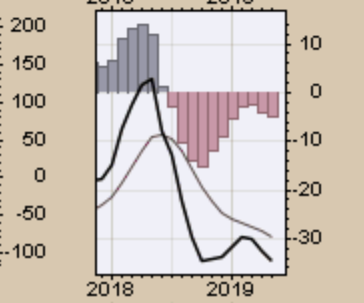
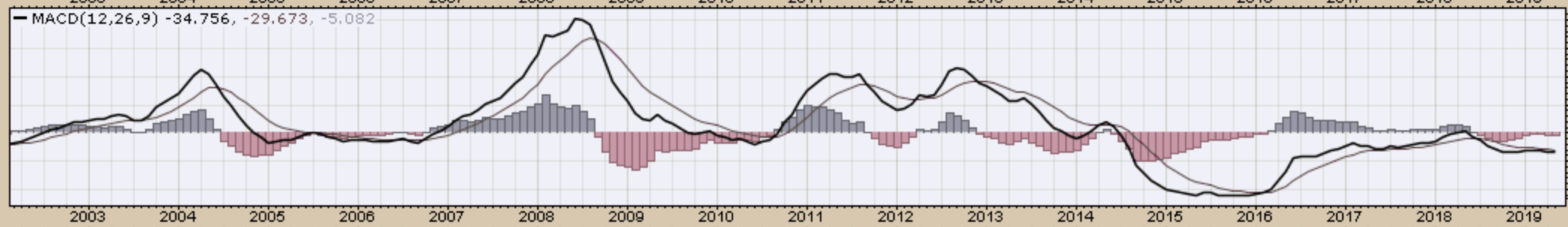
▲ CMF(20) -0.007 (30 Apr)

### CHART B12. SOYBEANS, MONTHLY CHART

▲ \$SOYB (Monthly) 842.25  
— BB(20,2.0) 787.18 - 931.54 - 1075.89  
— PIVOTS 659.67, 777.33, 929.92, 1047.58, 1200.17



— MACD(12,26,9) -34.756, -29.673, -5.082



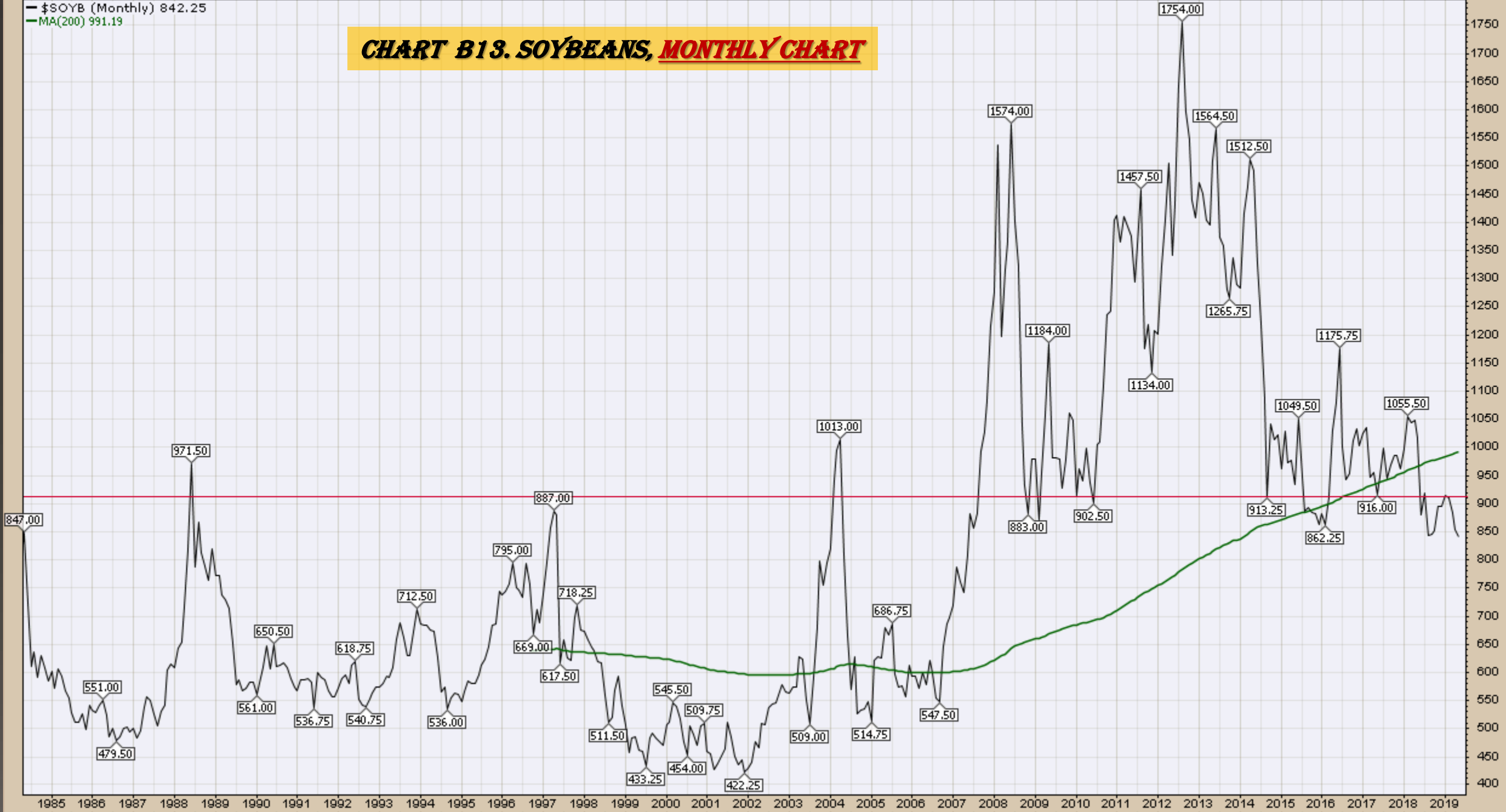
3-May-2019

Open 853.75 High 857.75 Low 840.50 Close 842.25 Volume 302.4K Chg -11.75 (-1.38%)

-\$SOYB (Monthly) 842.25

MA(200) 991.19

### CHART B13. SOYBEANS, MONTHLY CHART



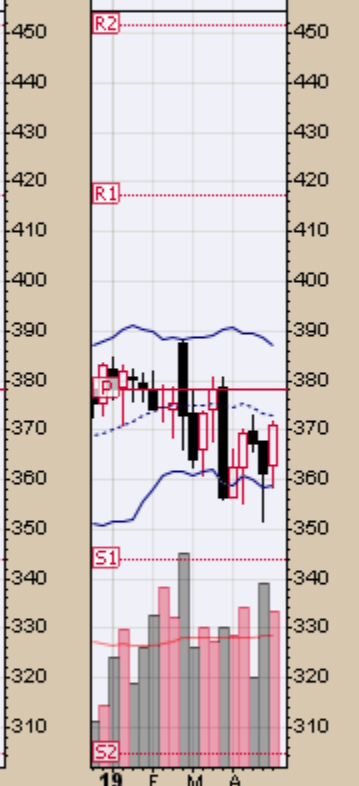
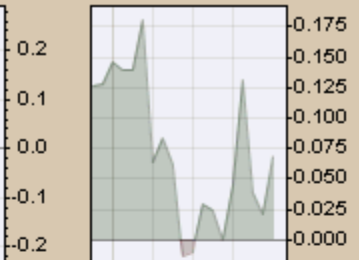
*Corn*

*Weekly, Daily and Monthly Charts*

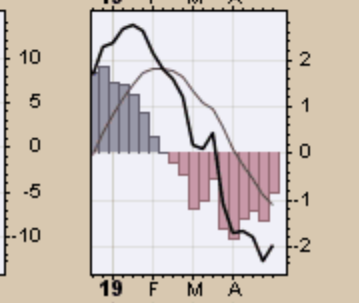
▲ CMF(20) 0.069

# CHART B14. CORN, WEEKLY CHART

▲ \$CORN (Weekly) 370.75  
— BB(20,2,0) 358.64 - 372.81 - 386.99  
— PIVOTS 304.50, 343.75, 378.00, 417.25, 451.50  
■ Volume 1.01M, EMA(50) 849.66K



— MACD(12,26,9) -1.964, -1.110, -0.854



**\$CORN** Corn - Continuous Contract (EOD) CME

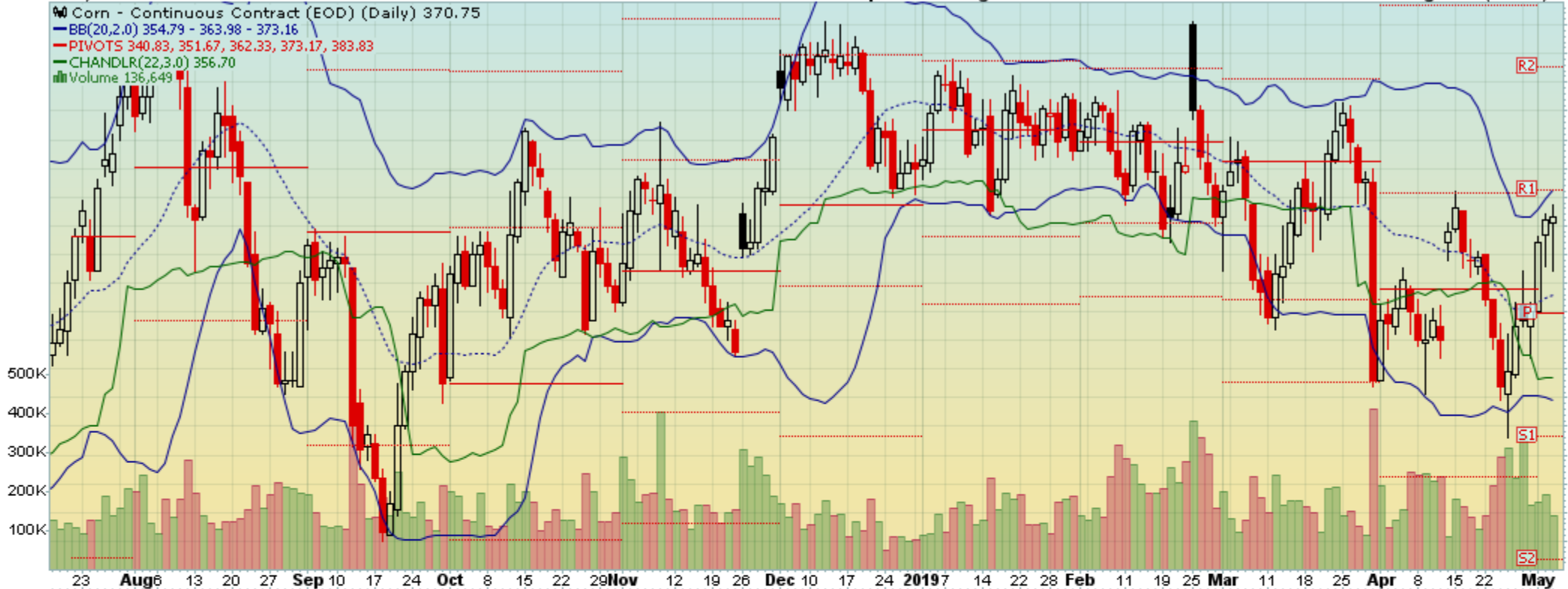
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3-May-2019

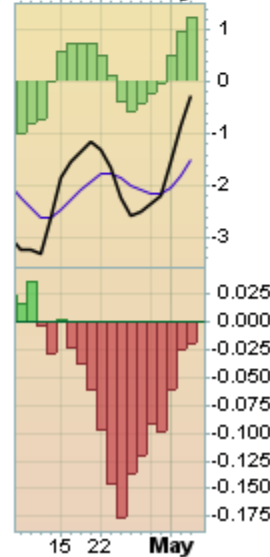
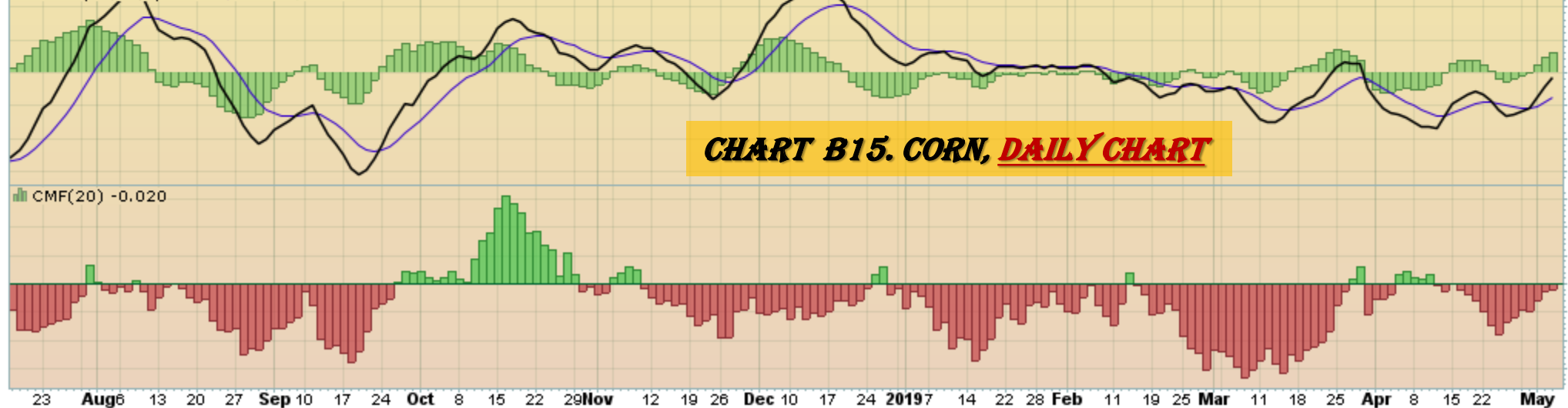
Open 370.25 High 371.75 Low 366.00 Close 370.75 Volume 136.6K Chg +0.25 (+0.07%) ▲

100 Corn - Continuous Contract (EOD) (Daily) 370.75

BB(20,2,0) 354.79 - 363.98 - 373.16  
PIVOTS 340.83, 351.67, 362.33, 373.17, 383.83  
CHANDLR(22,3,0) 356.70  
Volume 136,649



MACD(12,26,9) -0.260, -1.479, 1.219



**CHART B15. CORN, DAILY CHART**

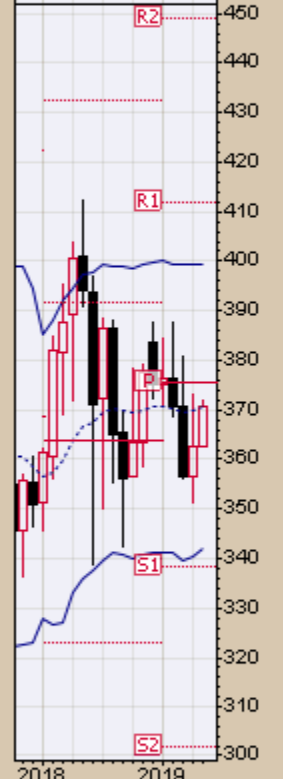
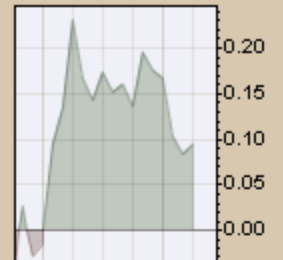
3-May-2019

Open 362.50 High 371.75 Low 362.50 Close 370.75 Volume 499.8K Chg +8.25 (+2.28%) ▲

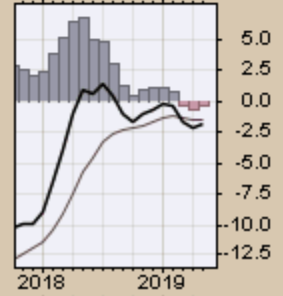
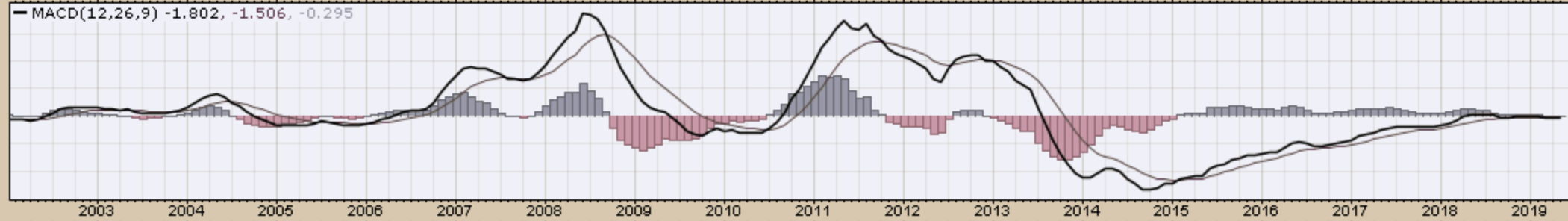
▲ CMF(20) 0.094 (30 Apr)

### CHART B16. CORN, MONTHLY CHART

▲ \$CORN (Monthly) 370.75  
— BB(20,2.0) 341.84 - 370.51 - 399.18  
— PIVOTS 301.83, 338.42, 375.33, 411.92, 448.83



— MACD(12,26,9) -1.802, -1.506, -0.295

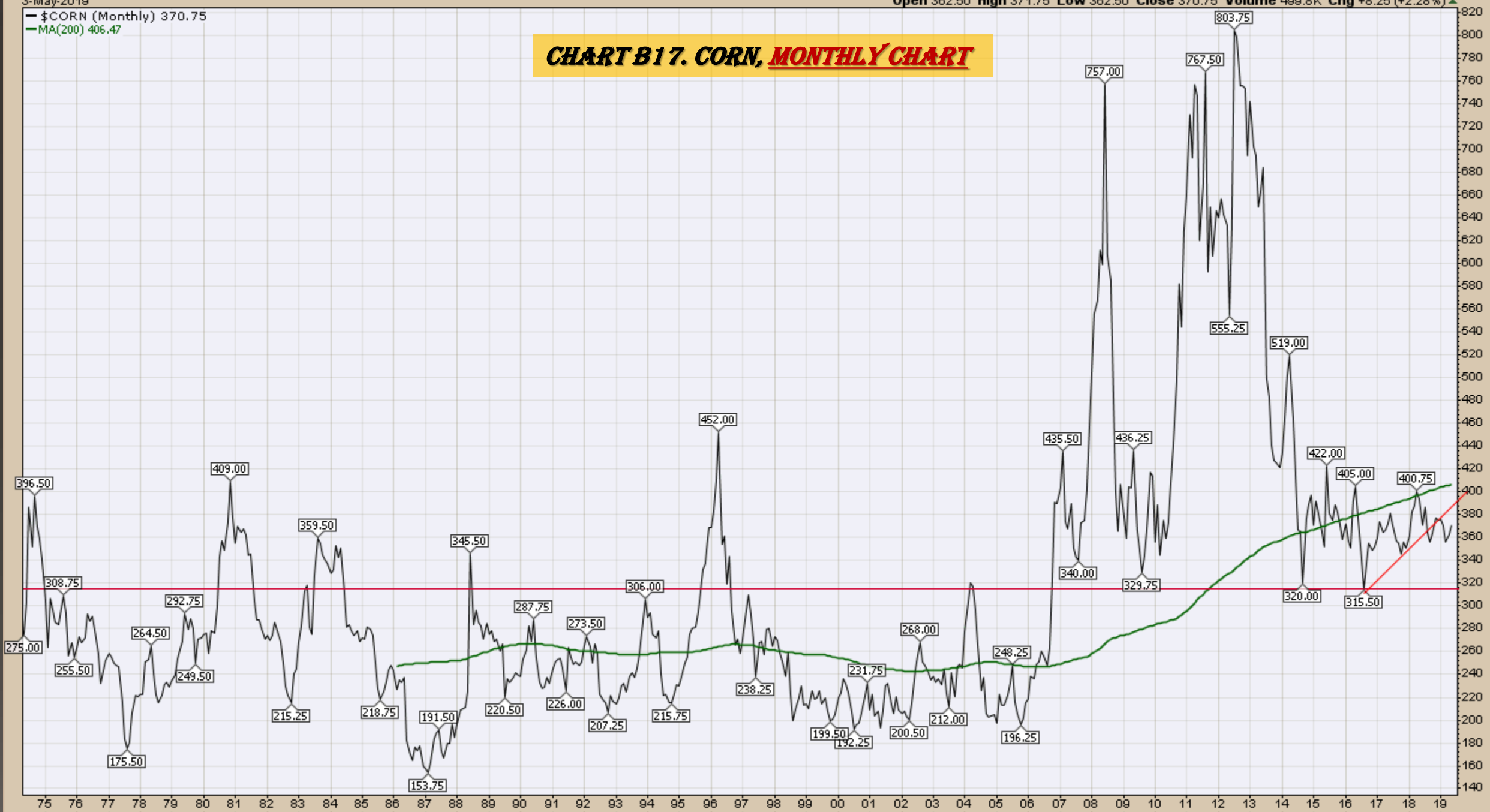


3-May-2019

Open 362.50 High 371.75 Low 362.50 Close 370.75 Volume 499.8K Chg +8.25 (+2.28%) ▲

— \$CORN (Monthly) 370.75  
— MA(200) 406.47

### CHART B17. CORN, MONTHLY CHART



*Rice*  
*Quarterly and Daily Charts*



**CHART B18. ROUGH RICE, 30 YEAR**



**CHART B19. ROUGH RICE**  
**WEEKLY CHART, 5 YEAR**



**CHART B20. ROUGH RICE**  
**WEEKLY CHART, 1 YEAR**



*Cotton*  
*Weekly, Daily and Monthly Charts*

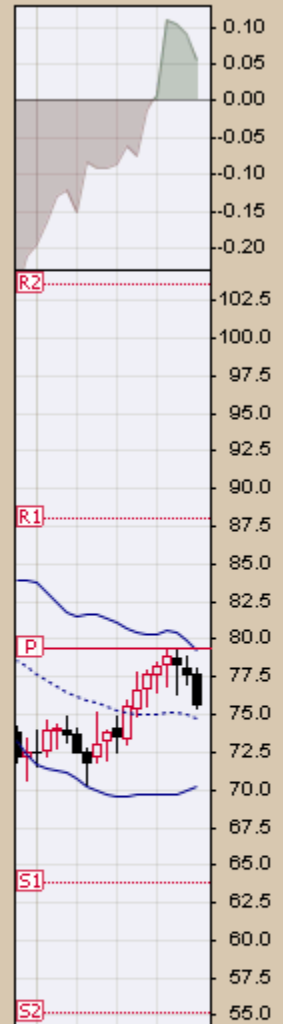
3-May-2019

Open 77.70 High 78.09 Low 75.37 Close 75.68 Volume 77.5K Chg -2.02 (-2.60%)

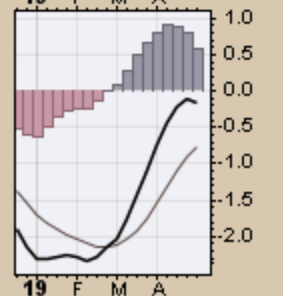
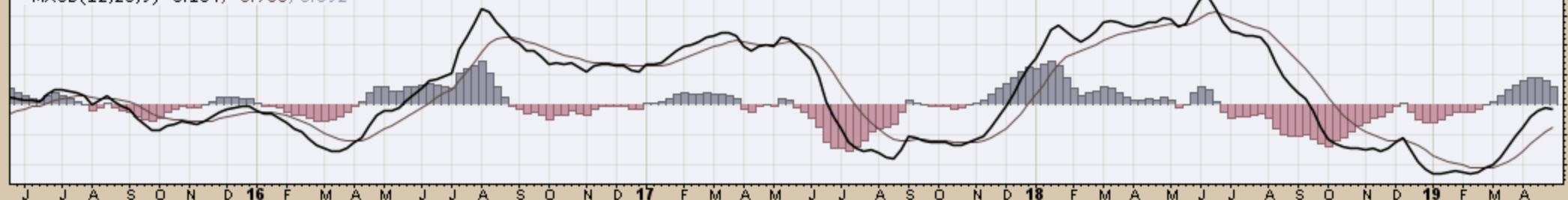
▲ CMF(20) 0.057

📊 \$COTTON (Weekly) 75.68  
— BB(20,2.0) 70.22 - 74.76 - 79.31  
— PIVOTS 55.16, 63.84, 79.33, 88.01, 103.50

**CHART B21. COTTON, WEEKLY CHART**



— MACD(12,26,9) -0.164, -0.755, 0.592

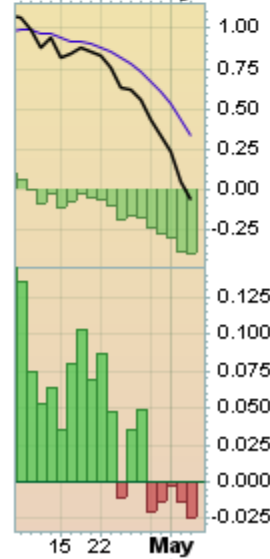
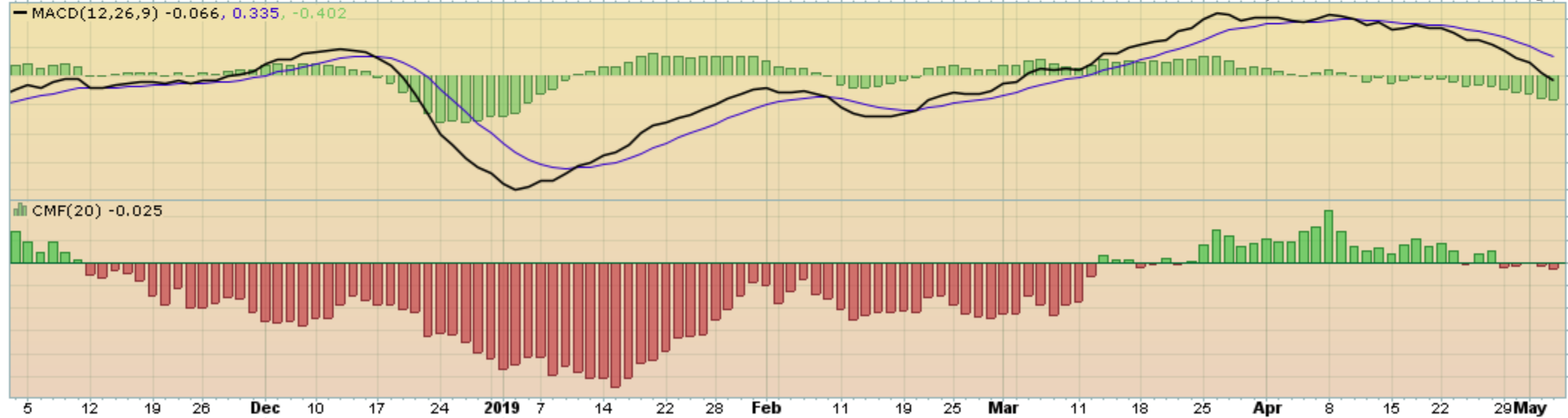
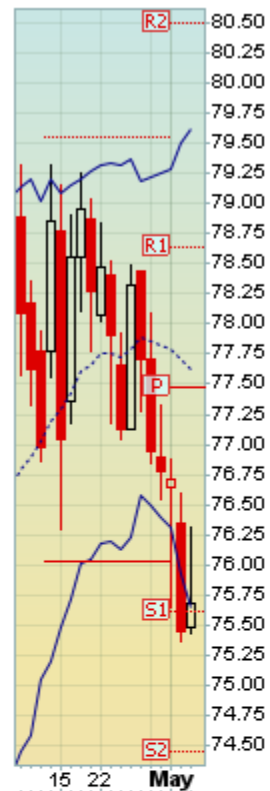


▲ Cotton - Continuous Contract (EOD) (Daily) 75.68

— BB(20,2,0) 75.65 - 77.63 - 79.62

— PIVOTS 74.45, 75.61, 77.47, 78.63, 80.49

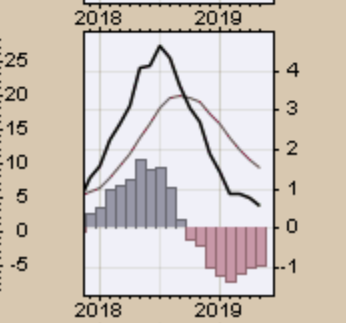
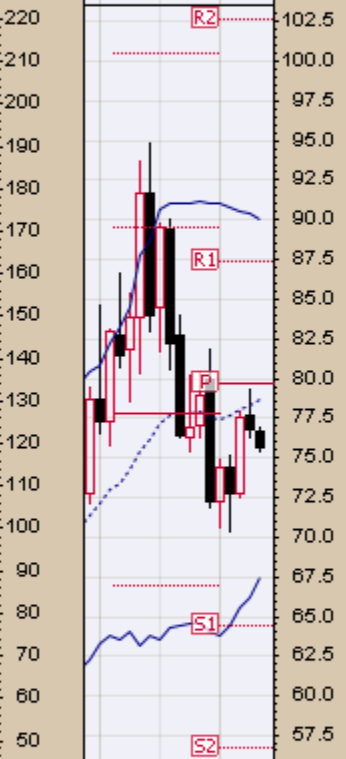
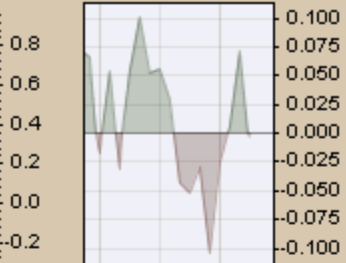
### CHART B22. COTTON, DAILY CHART



▲ CMF(20) -0.004 (30 Apr)

▲ \$COTTON (Monthly) 75.68  
— BB(20,2.0) 67.41 - 78.72 - 90.02  
— PIVOTS 56.68, 64.44, 79.63, 87.39, 102.58

**CHART B23. COTTON, MONTHLY CHART**



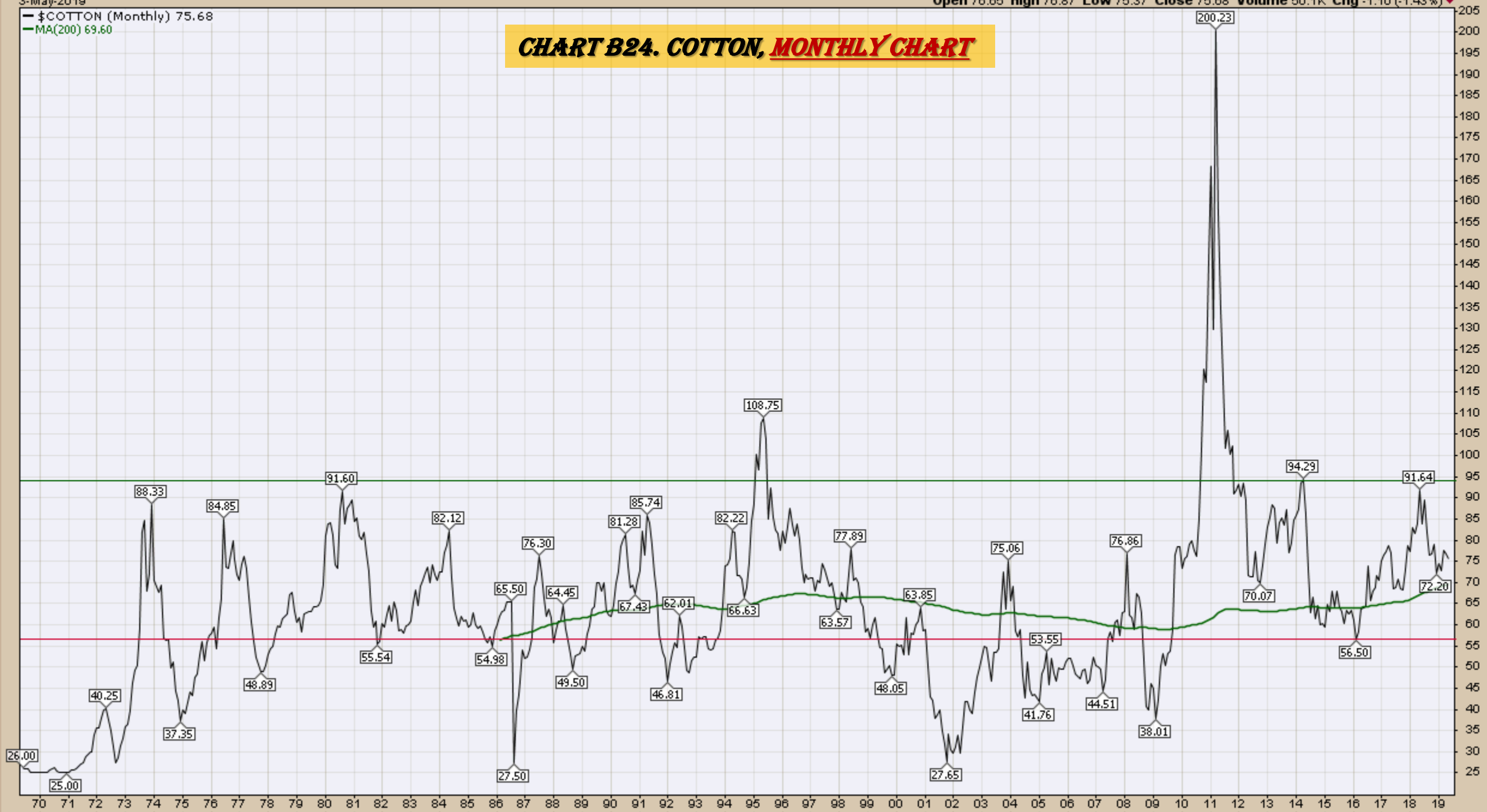
3-May-2019

Open 76.65 High 76.87 Low 75.37 Close 75.68 Volume 50.1K Chg -1.10 (-1.43%)

— \$COTTON (Monthly) 75.68

— MA(200) 69.60

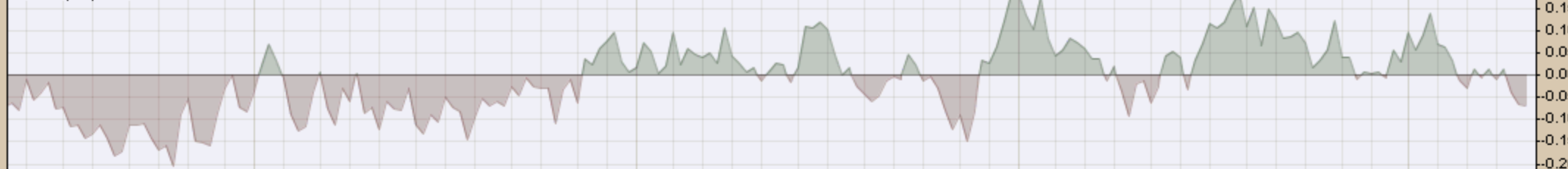
### CHART B24. COTTON, MONTHLY CHART





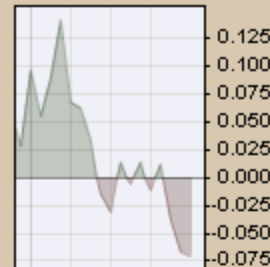
*Wheat*  
*Weekly, Daily and Monthly Charts*

▲ CMF(20) -0.070

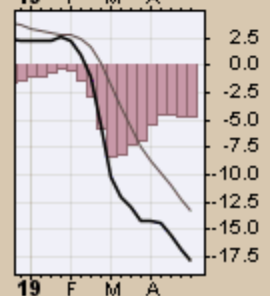
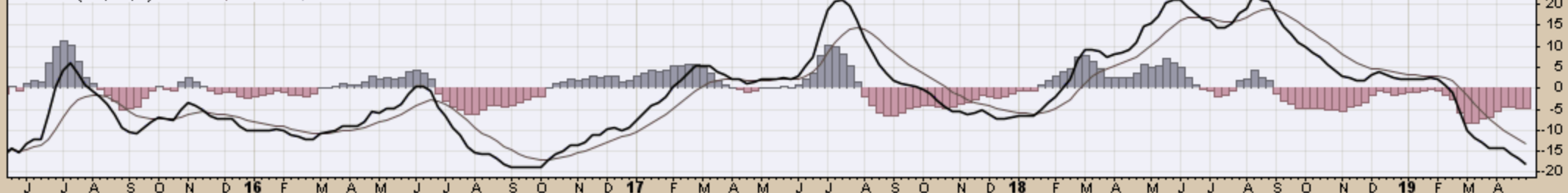


▲ \$WHEAT (Weekly) 438.00  
 — BB(20,2.0) 421.47 - 484.05 - 546.63  
 — PIVOTS 328.00, 422.50, 507.75, 602.25, 687.50

**CHART B25. WHEAT, WEEKLY CHART**



— MACD(12,26,9) -17.964, -13.320, -4.644

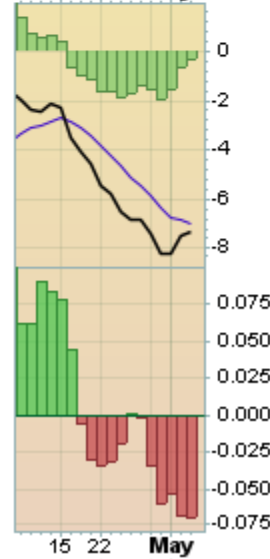
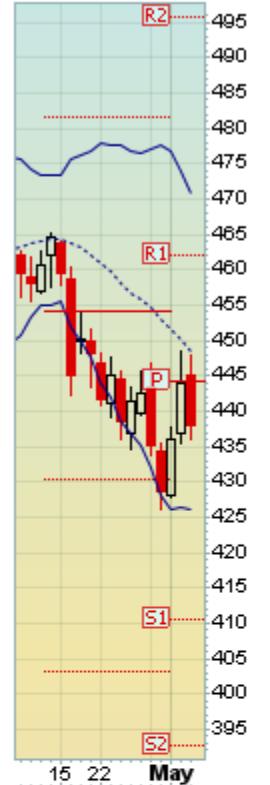
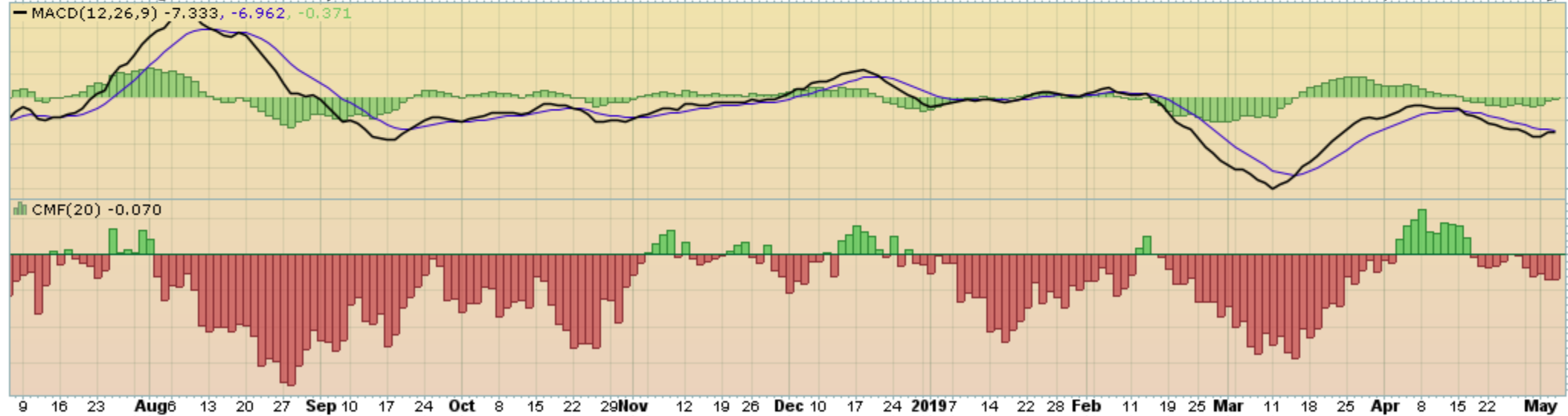
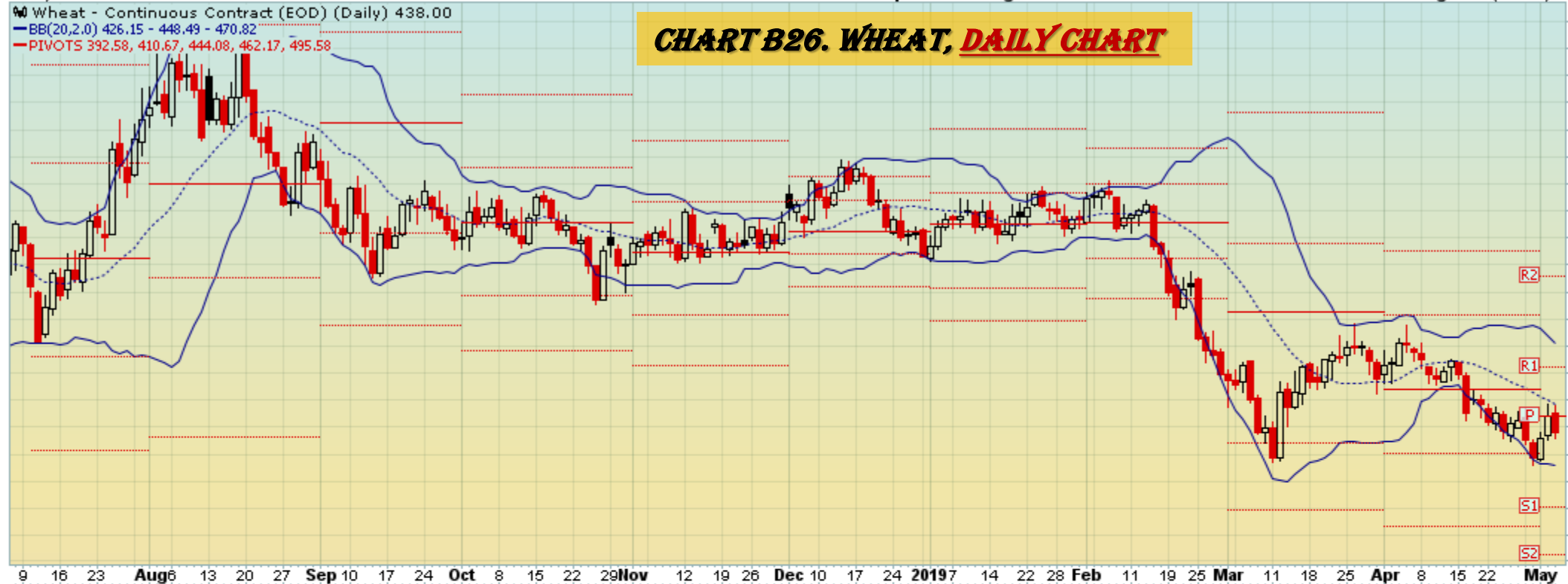


Wheat - Continuous Contract (EOD) (Daily) 438.00

BB(20,2.0) 426.15 - 448.49 - 470.82

PIVOTS 392.58, 410.67, 444.08, 462.17, 495.58

### CHART B26. WHEAT, DAILY CHART



3-May-2019

Open 428.00 High 448.50 Low 427.75 Close 438.00 Volume 163.3K Chg +9.25 (+2.16%) ▲

▲ CMF(20) -0.003 (30 Apr)

### CHART B27. WHEAT, MONTHLY CHART

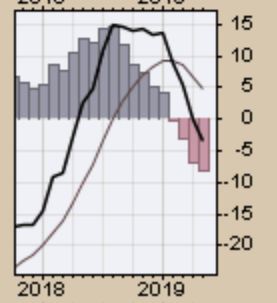
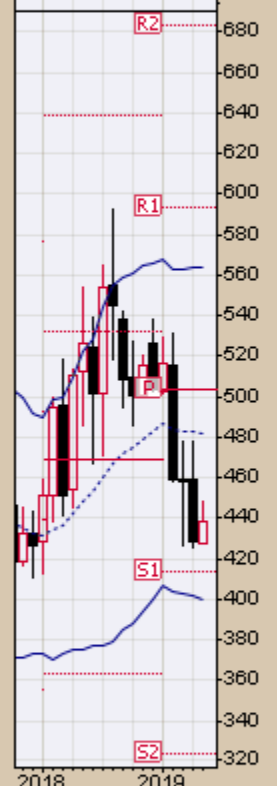
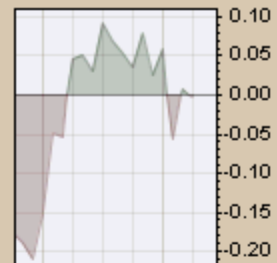
▲ \$WHEAT (Monthly) 438.00

— BB(20,2.0) 400.22 - 482.12 - 564.03

— PIVOTS 323.42, 413.33, 503.17, 593.08, 682.92



— MACD(12,26,9) -3.484, 4.746, -8.230



— \$WHEAT (Monthly) 438.00  
— MA(200) 535.77

# CHART B28. WHEAT, MONTHLY CHART



# *S&P Sectors*

## Sector Chart Book Index

### Market Outlook Considerations for Week Beginning May 6, 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

XLF Financial Select Sector SPDR Fund NYSE

3-May-2019

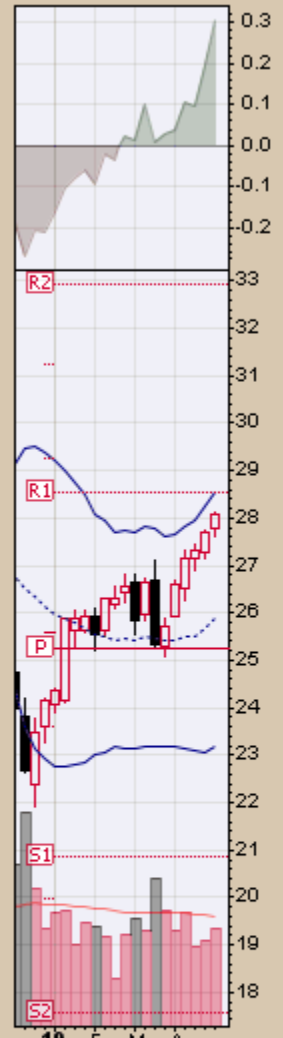
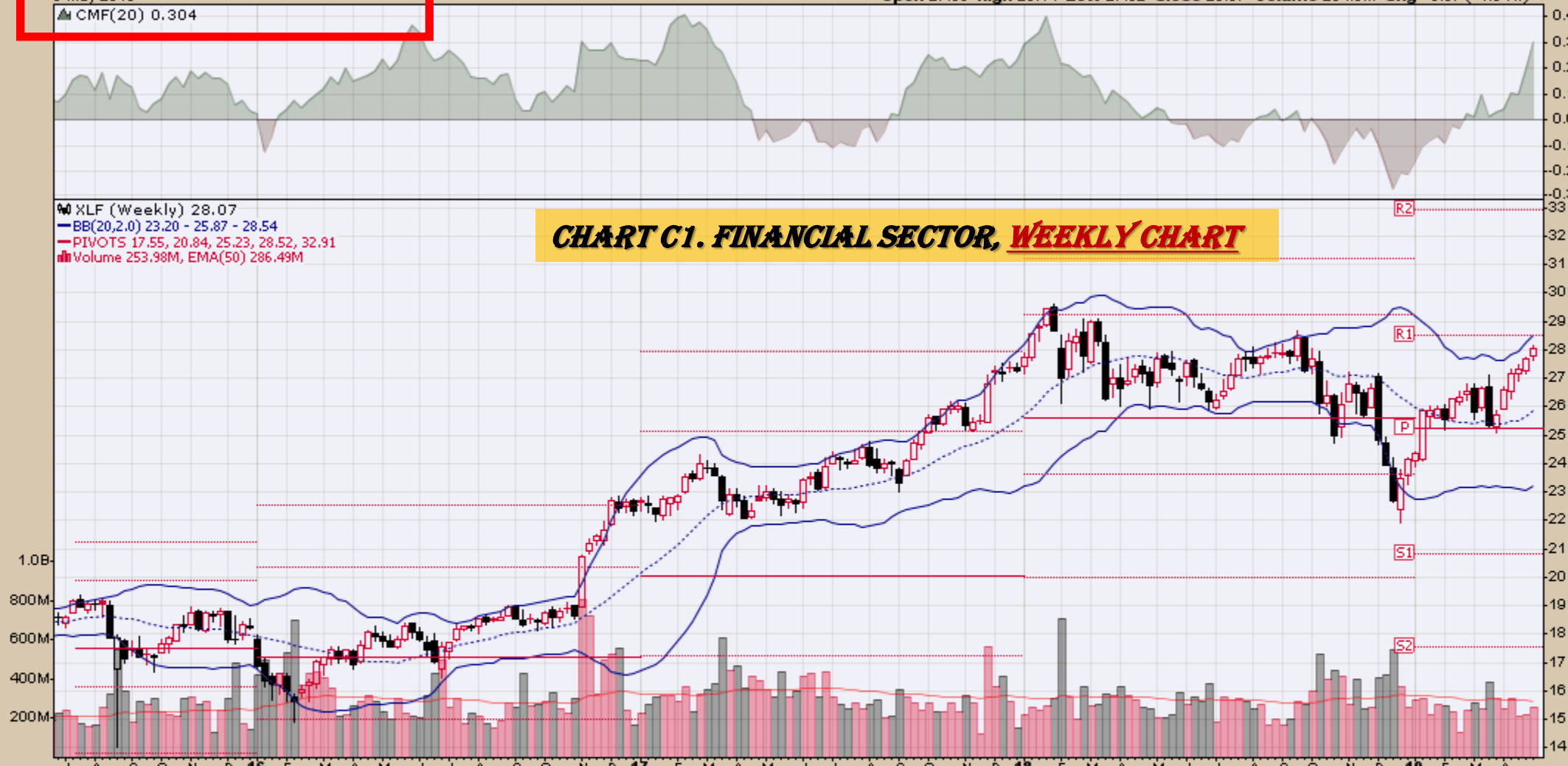
CMF(20) 0.304

Open 27.80 High 28.14 Low 27.62 Close 28.07 Volume 254.0M Chg +0.37 (+1.34%)

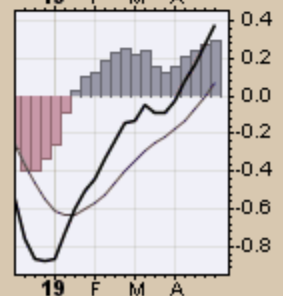
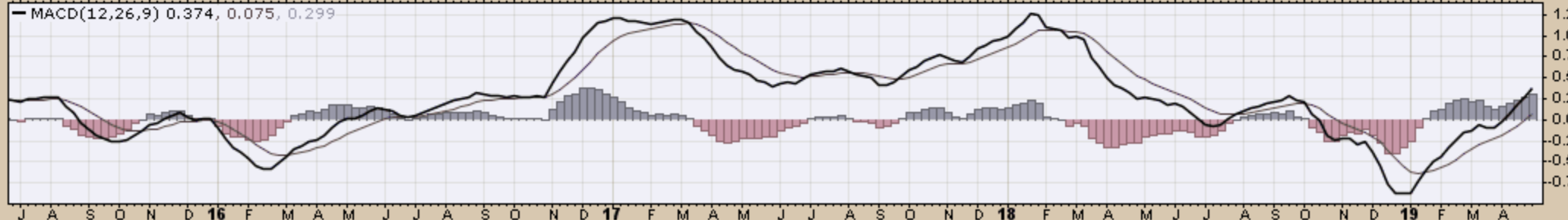
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### CHART C1. FINANCIAL SECTOR, WEEKLY CHART

XLF (Weekly) 28.07  
BB(20,2.0) 23.20 - 25.87 - 28.54  
PIVOTS 17.55, 20.84, 25.23, 28.52, 32.91  
Volume 253.98M, EMA(50) 286.49M



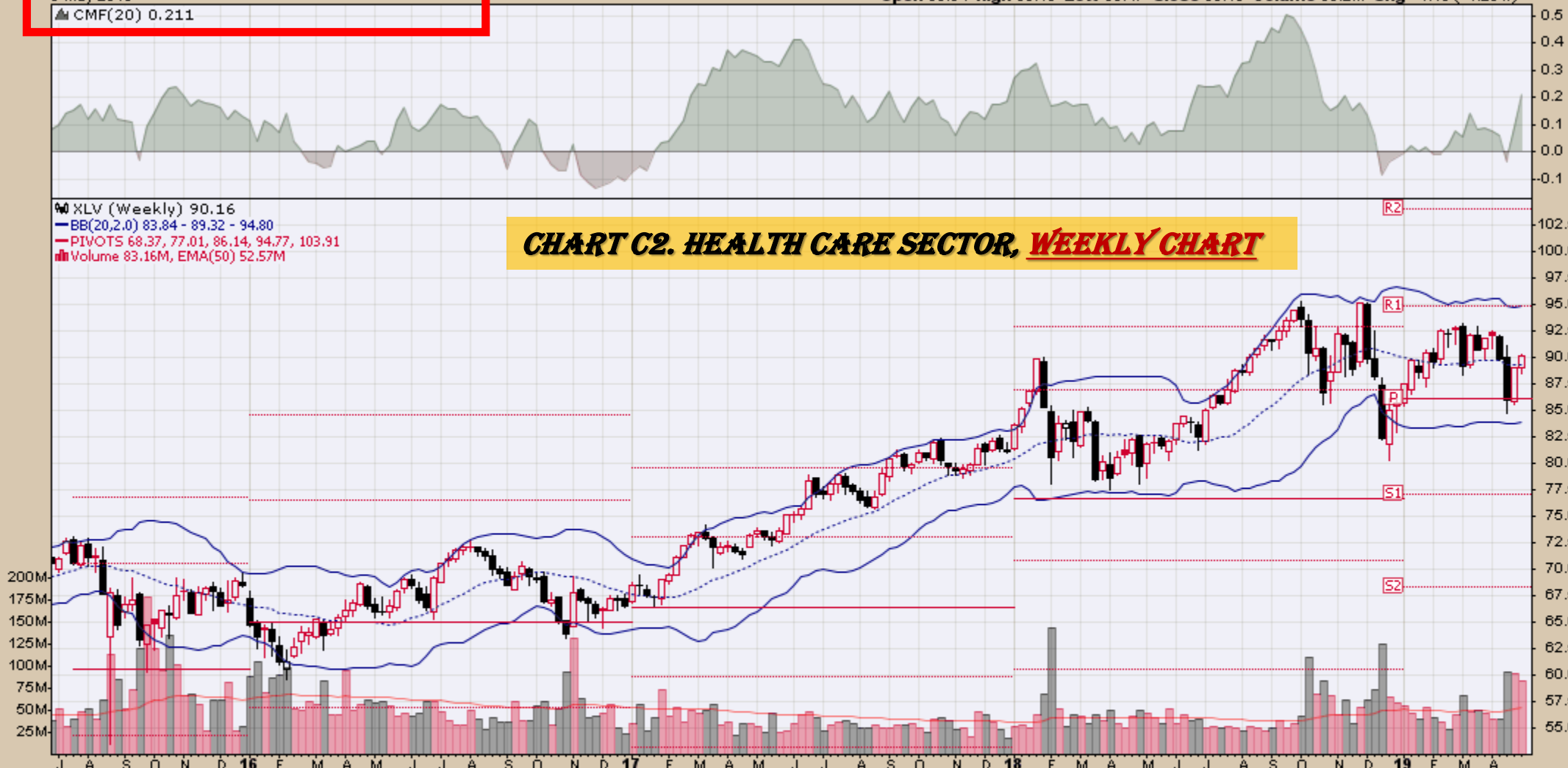
MACD(12,26,9) 0.374, 0.075, 0.299



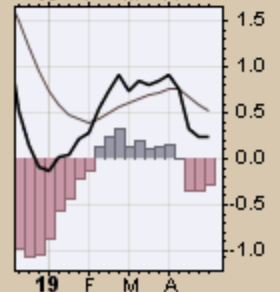
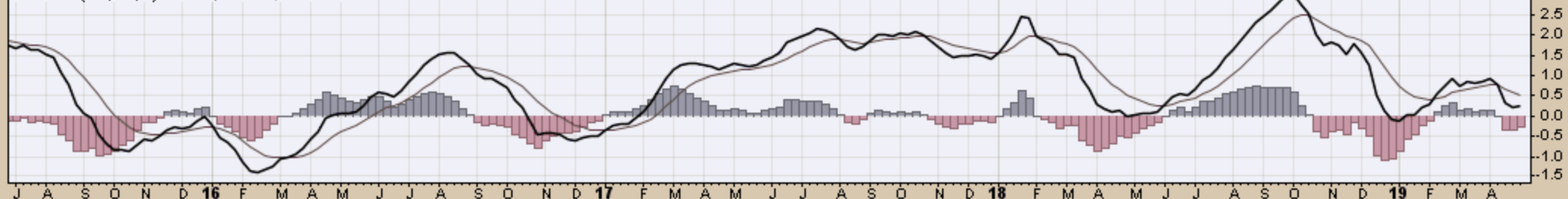


**CHART C2. HEALTH CARE SECTOR, WEEKLY CHART**

XLV (Weekly) 90.16  
BB(20,2,0) 83.84 - 89.32 - 94.80  
PIVOTS 68.37, 77.01, 86.14, 94.77, 103.91  
Volume 83.16M, EMA(50) 52.57M

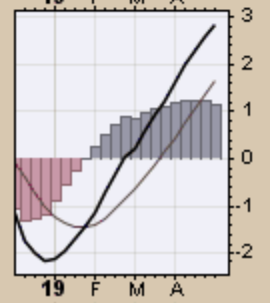
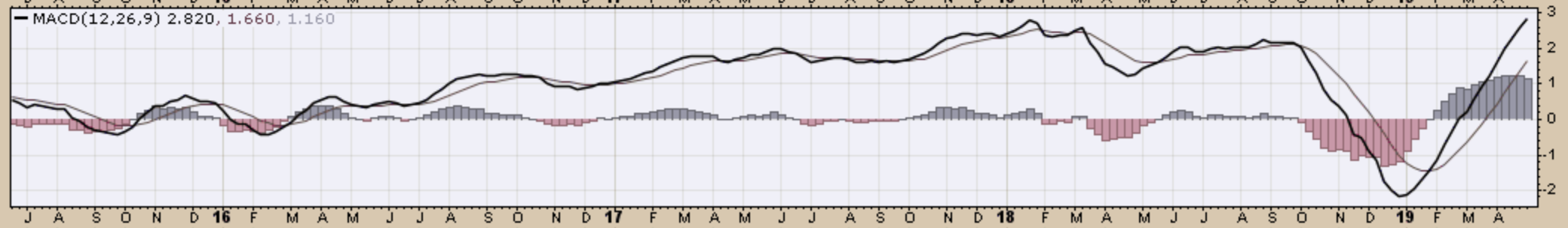
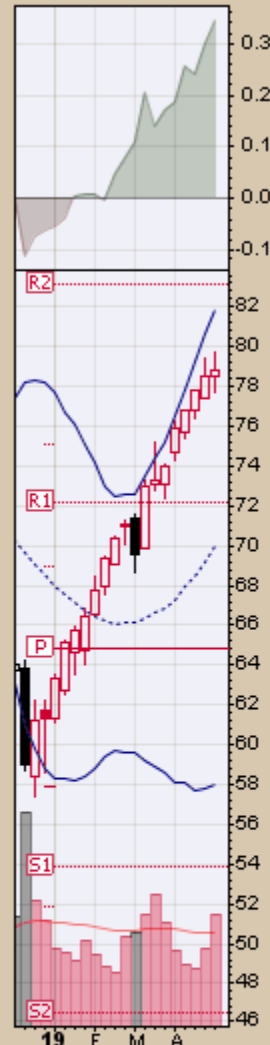
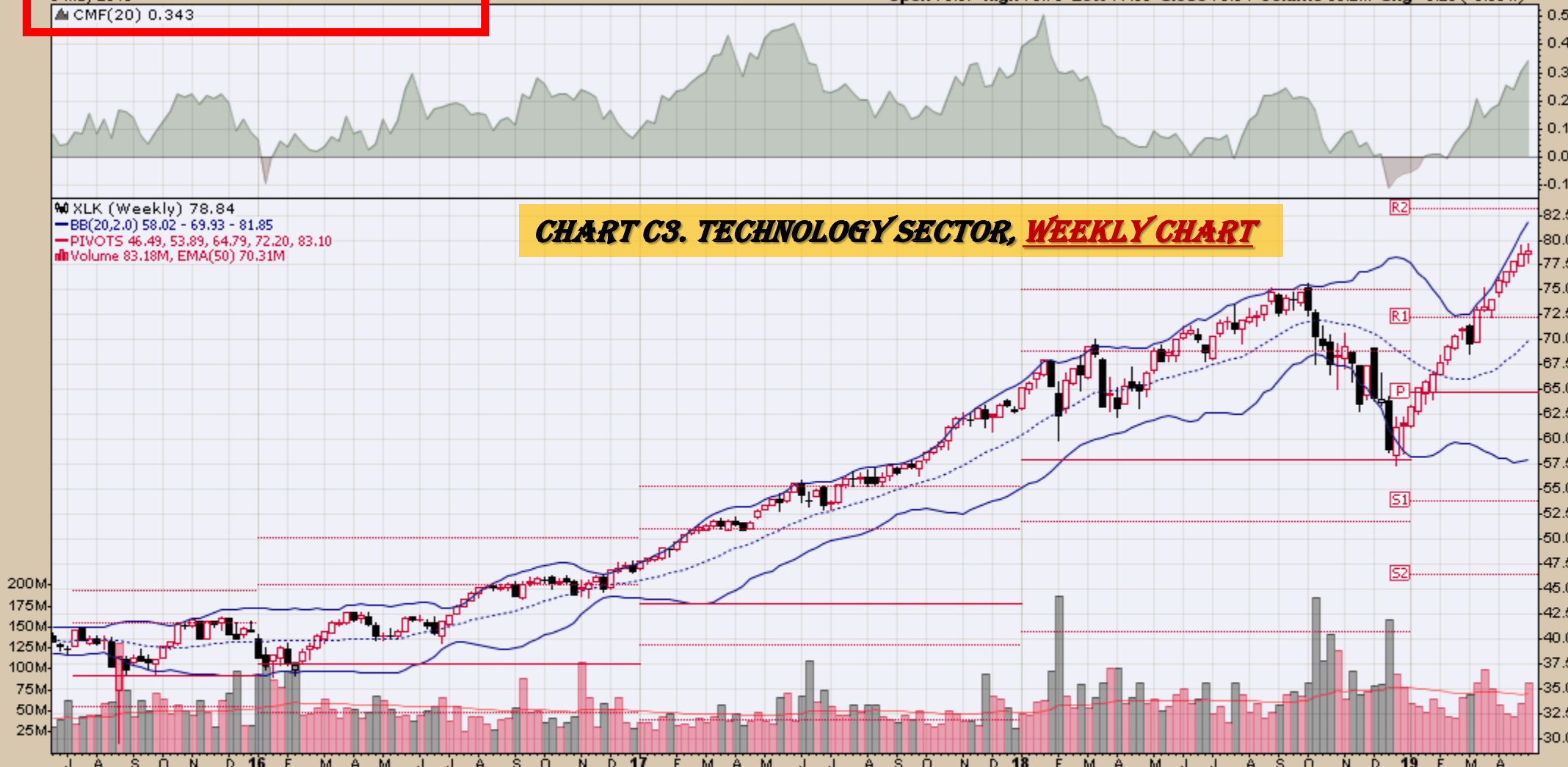


MACD(12,26,9) 0.243, 0.517, -0.275



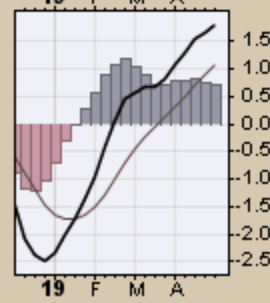
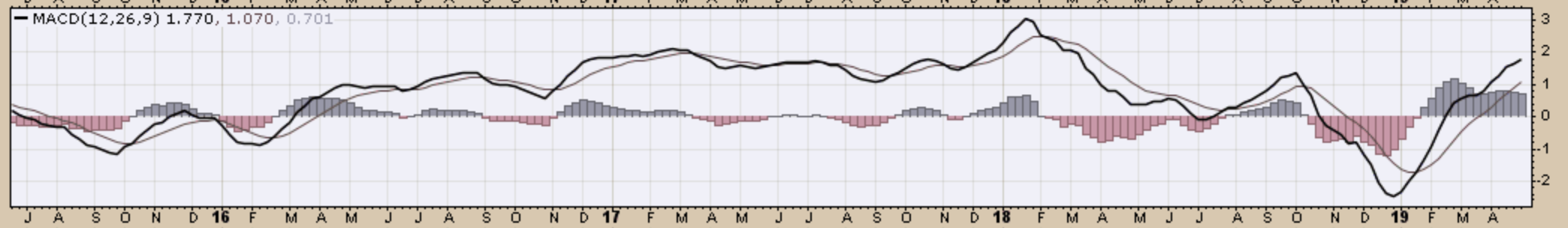
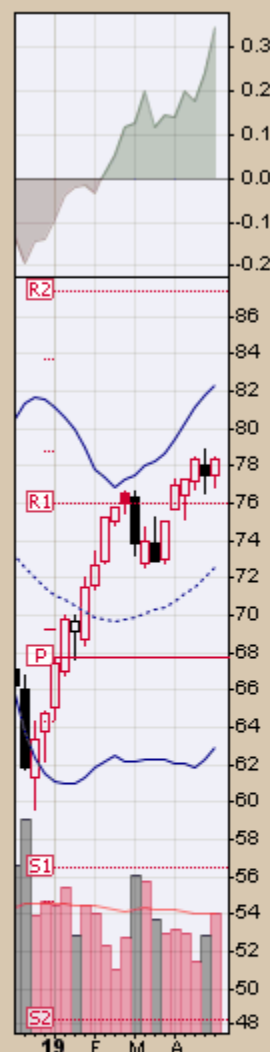
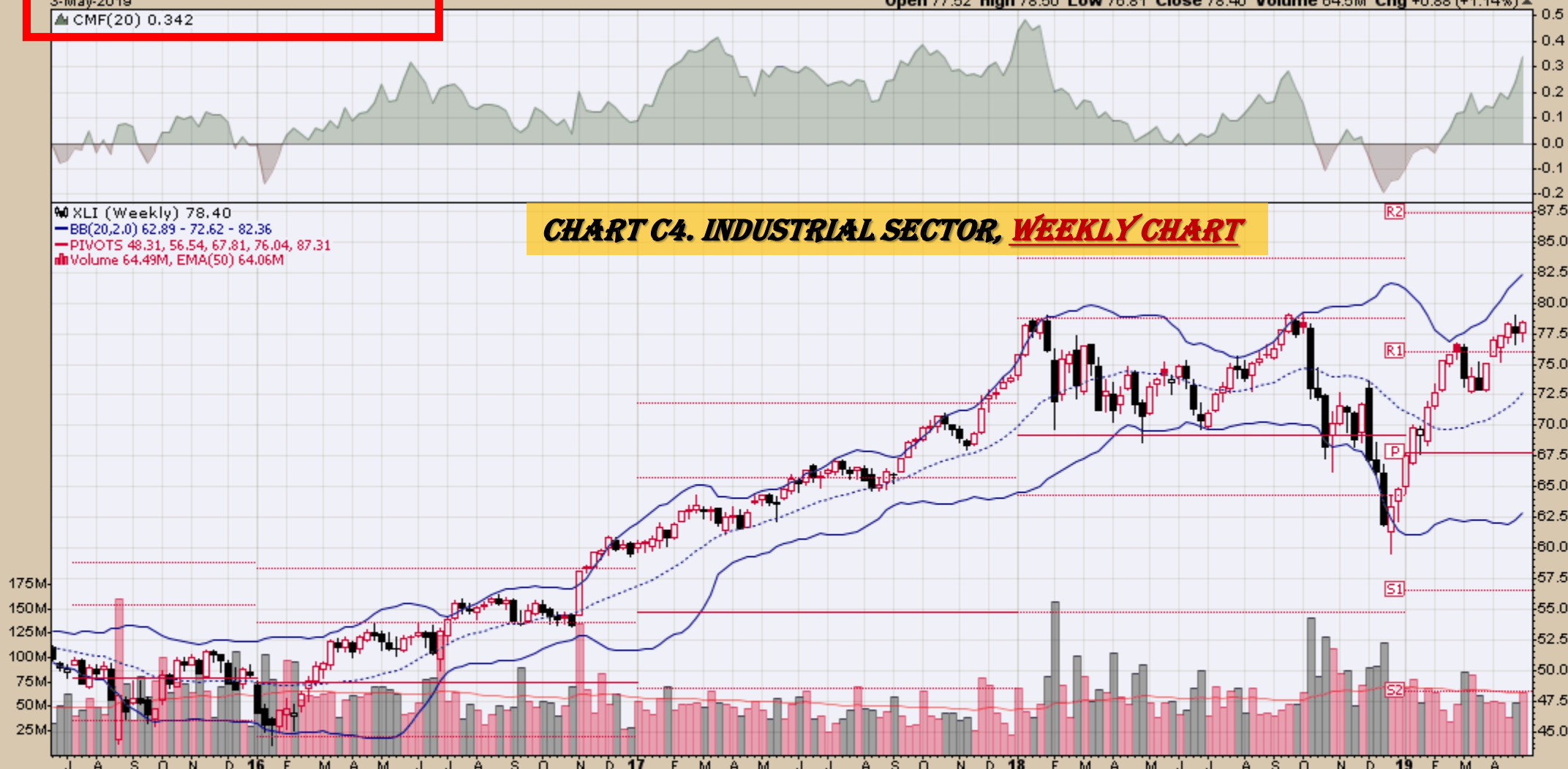
### CHART C3. TECHNOLOGY SECTOR, WEEKLY CHART

XLK (Weekly) 78.84  
BB(20,2.0) 58.02 - 69.93 - 81.85  
PIVOTS 46.49, 53.89, 64.79, 72.20, 83.10  
Volume 83.18M, EMA(50) 70.31M



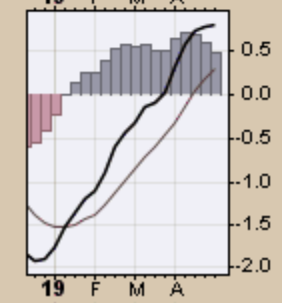
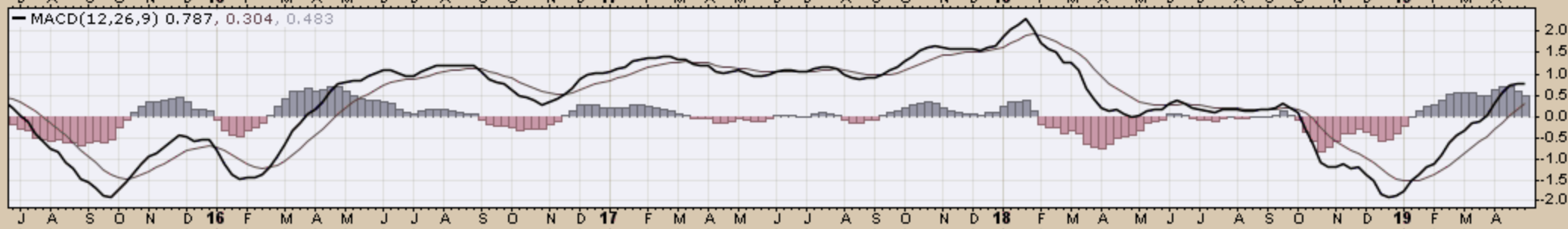
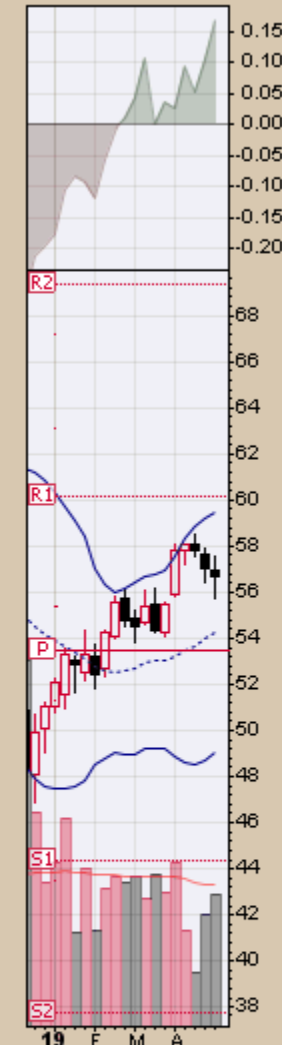
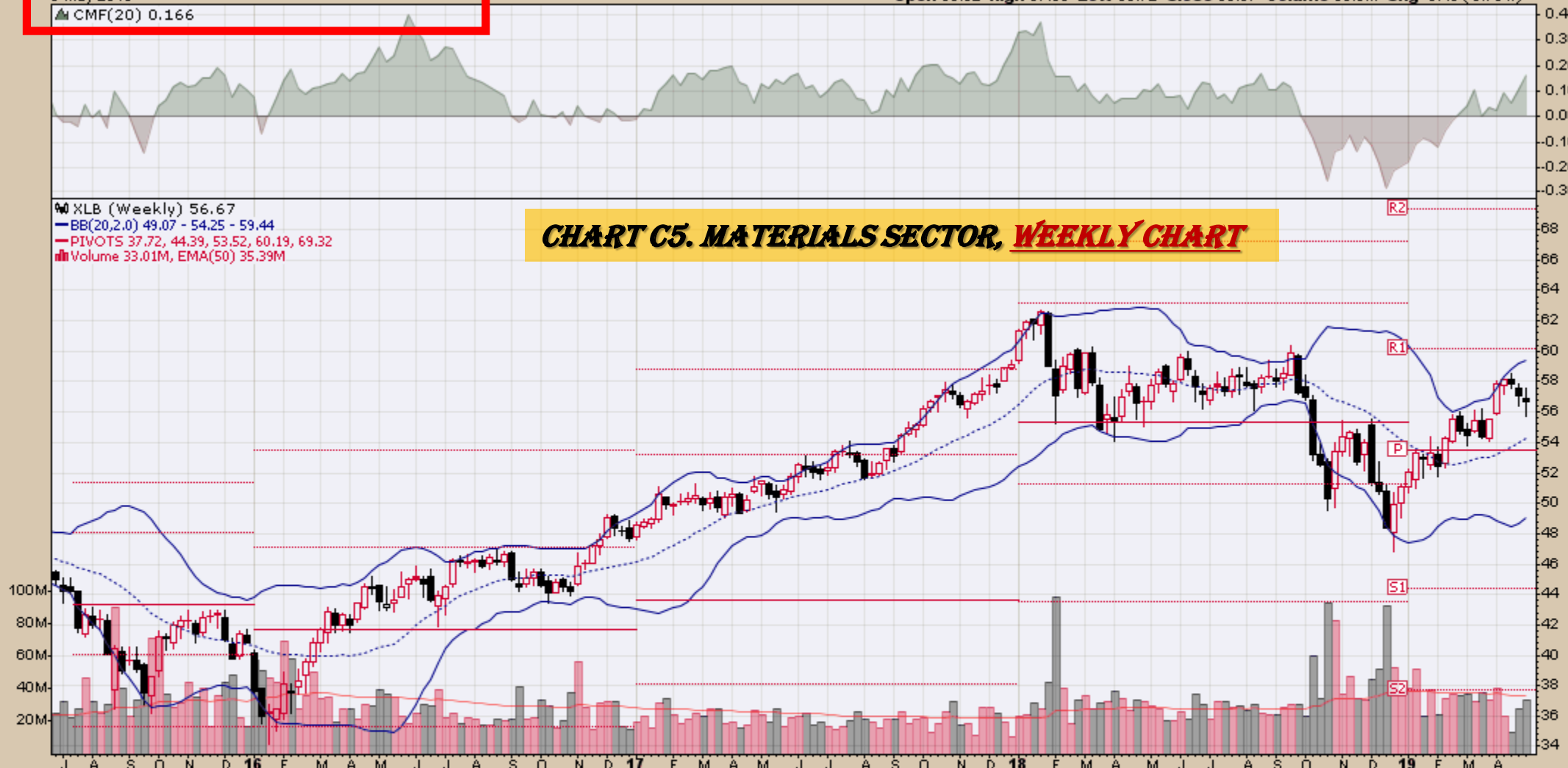
### CHART C4. INDUSTRIAL SECTOR, WEEKLY CHART

XLI (Weekly) 78.40  
BB(20,2,0) 62.89 - 72.62 - 82.36  
PIVOTS 48.31, 56.54, 67.81, 76.04, 87.31  
Volume 64.49M, EMA(50) 64.06M



### CHART C5. MATERIALS SECTOR, WEEKLY CHART

XLB (Weekly) 56.67  
BB(20,2.0) 49.07 - 59.44  
PIVOTS 37.72, 44.39, 53.52, 60.19, 69.32  
Volume 33.01M, EMA(50) 35.39M



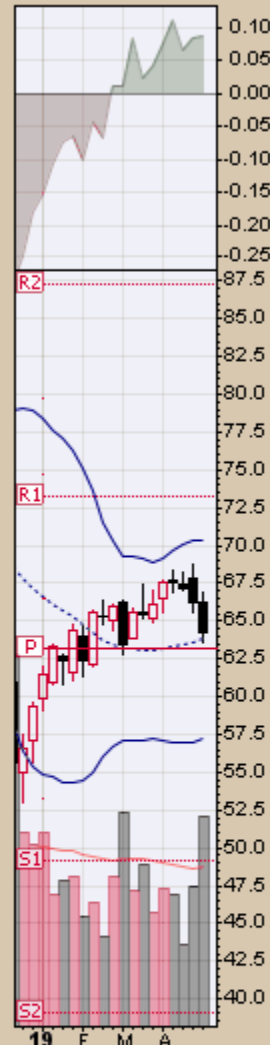
### CHART C6. ENERGY SECTOR, WEEKLY CHART

XLE (Weekly) 64.25

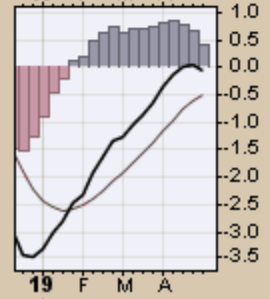
BB(20,2,0) 57.26 - 63.80 - 70.34

PIVOTS 39.04, 49.22, 63.13, 73.31, 87.21

Volume 97.12M, EMA(50) 73.97M



MACD(12,26,9) -0.076, -0.500, 0.424



XLU Utilities Select Sector SPDR Fund NYSE

3-May-2019

CMF(20) 0.342

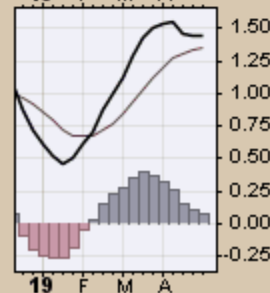
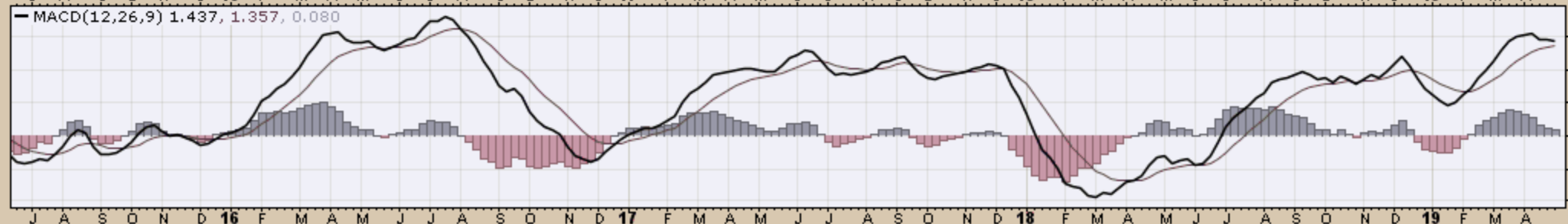
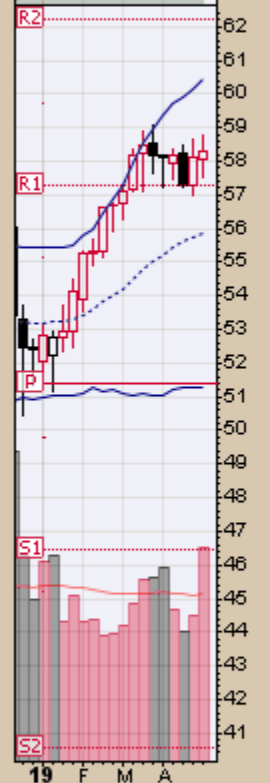
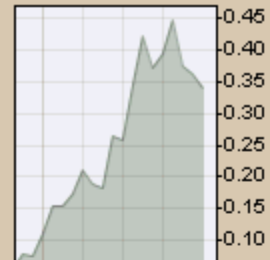
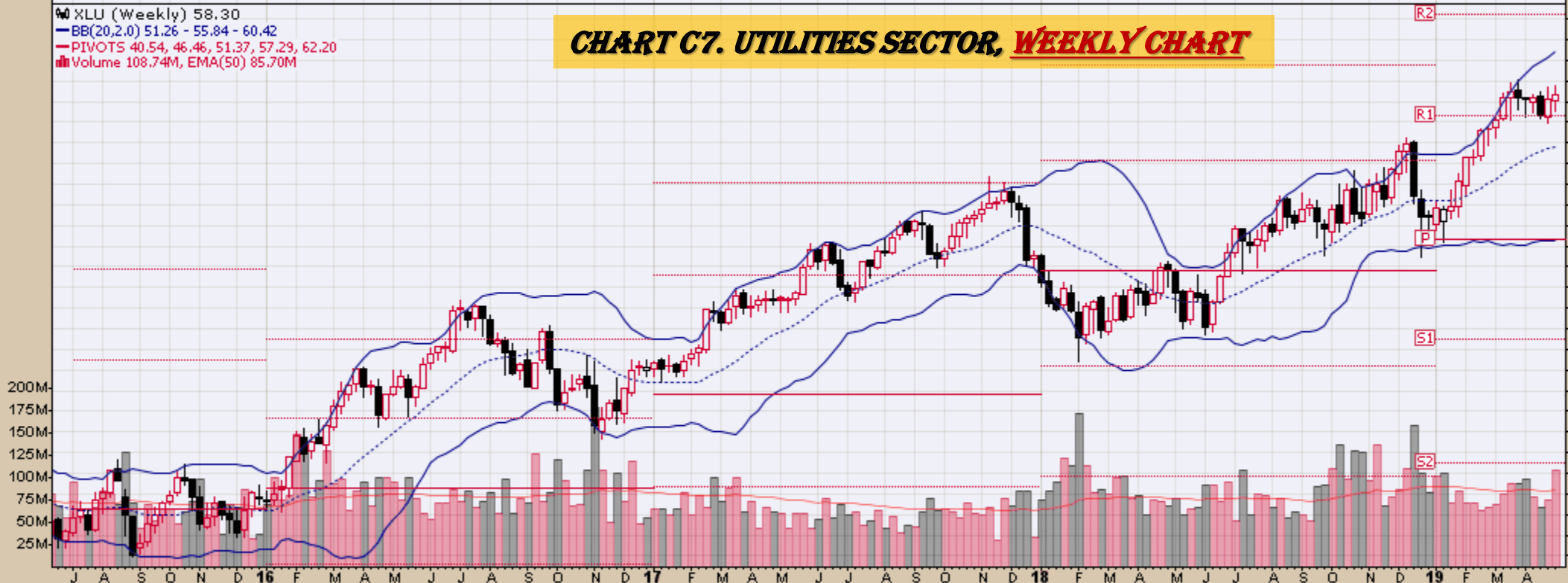
Open 58.05 High 58.75 Low 57.52 Close 58.30 Volume 108.7M Chg +0.20 (+0.34%)

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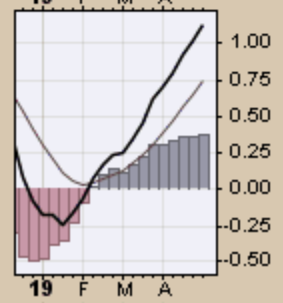
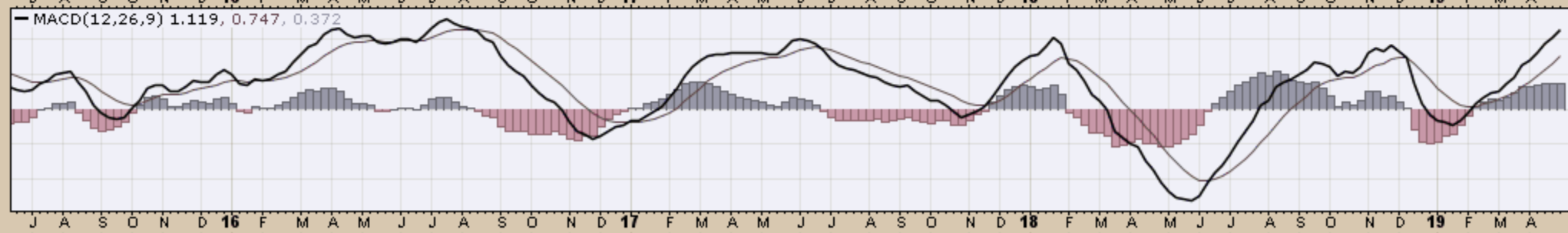
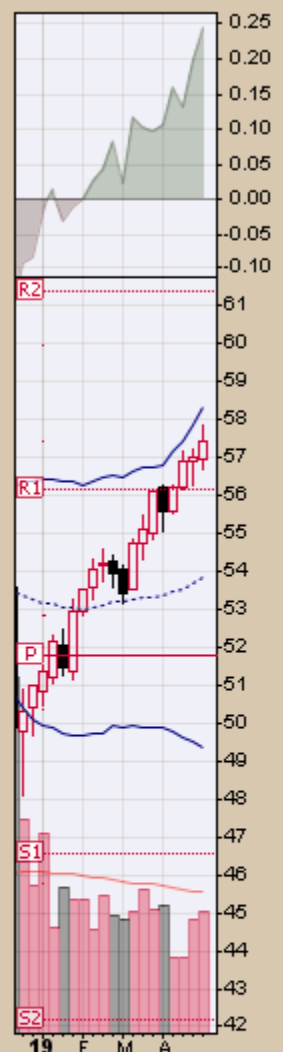
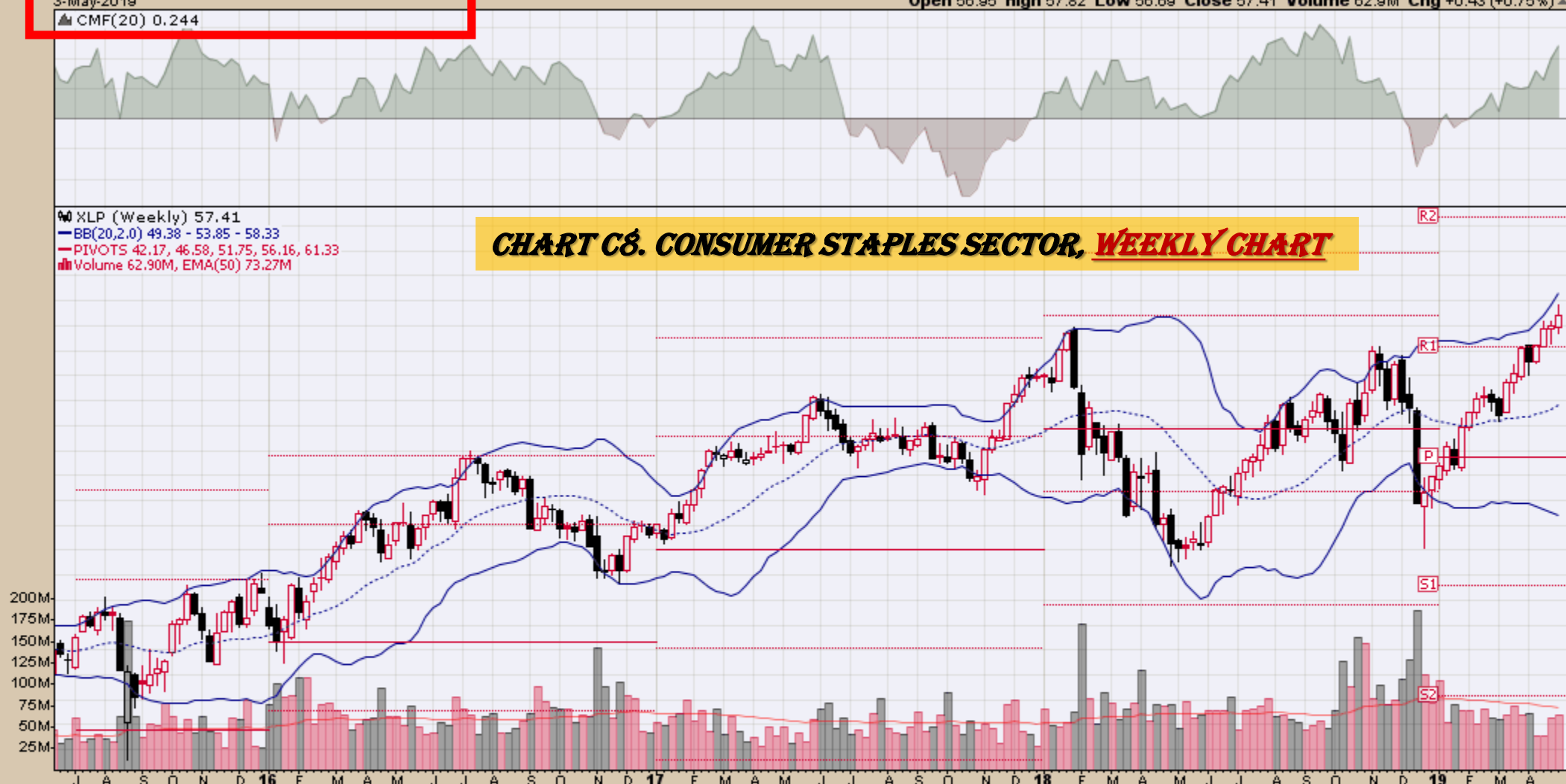
XLU (Weekly) 58.30  
 BB(20,2,0) 51.26 - 55.84 - 60.42  
 PIVOTS 40.54, 46.46, 51.37, 57.29, 62.20  
 Volume 108.74M, EMA(50) 85.70M

**CHART C7. UTILITIES SECTOR, WEEKLY CHART**



### CHART C8. CONSUMER STAPLES SECTOR, WEEKLY CHART

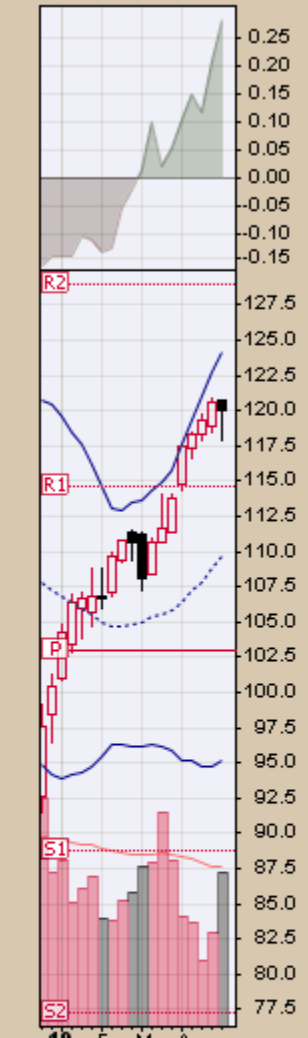
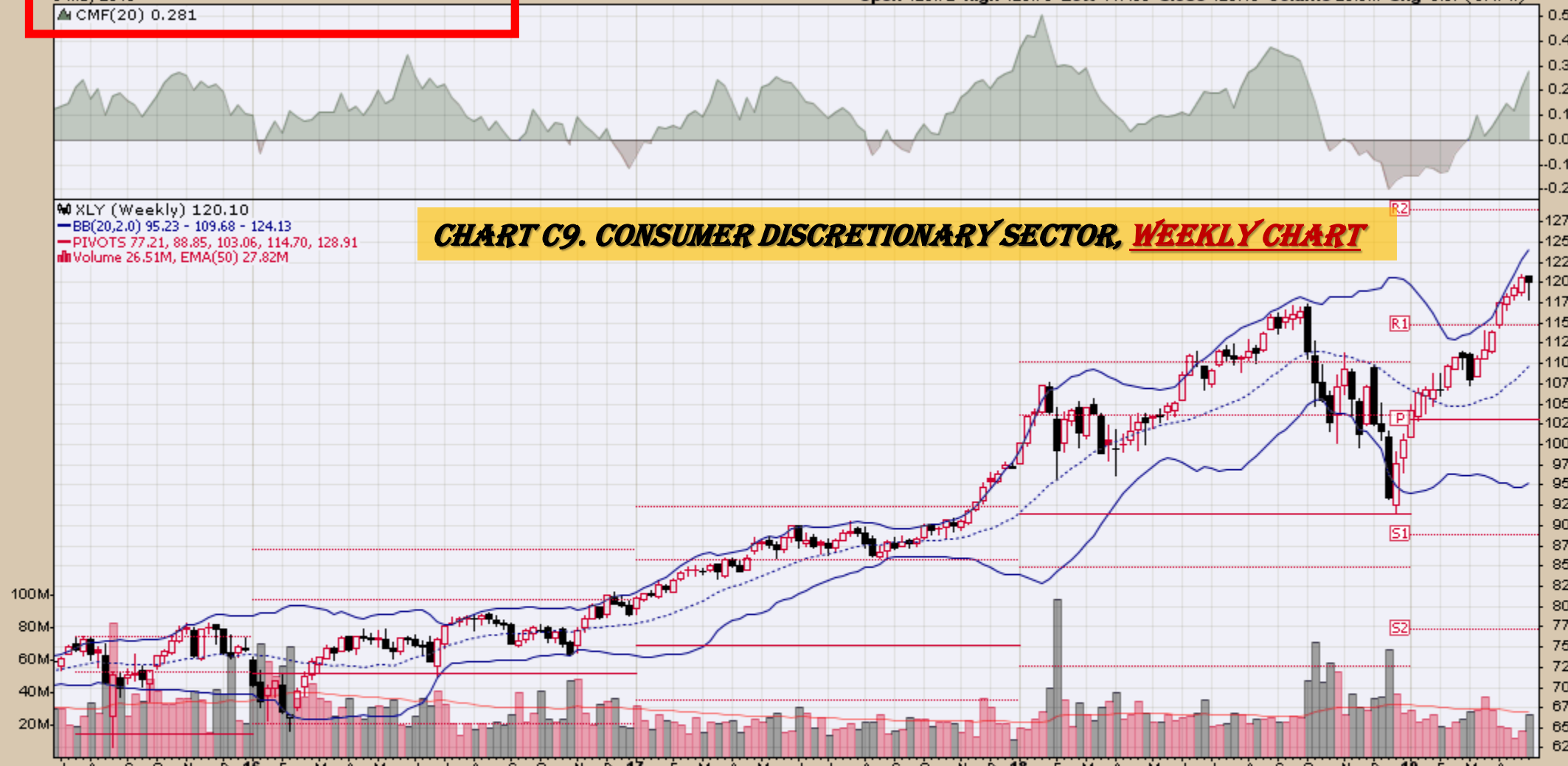
XLP (Weekly) 57.41  
BB(20,2,0) 49.38 - 53.85 - 58.33  
PIVOTS 42.17, 46.58, 51.75, 56.16, 61.33  
Volume 62.90M, EMA(50) 73.27M



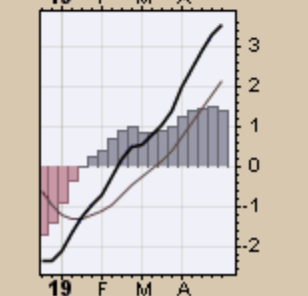
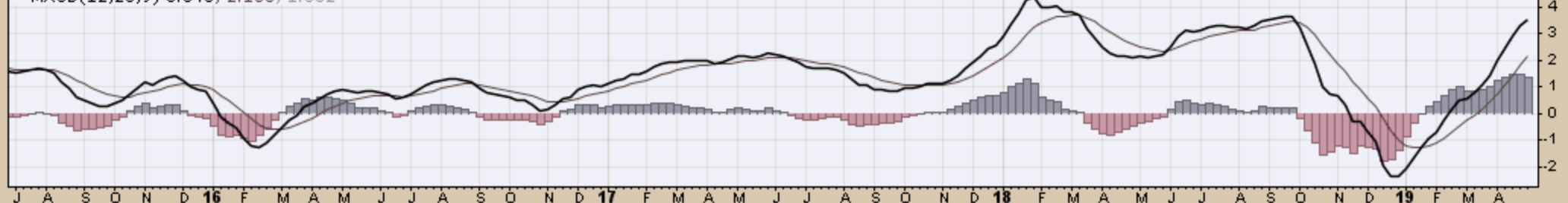


# CHART C9. CONSUMER DISCRETIONARY SECTOR, WEEKLY CHART

XLY (Weekly) 120.10  
BB(20,2,0) 95.23 - 109.68 - 124.13  
PIVOTS 77.21, 88.85, 103.06, 114.70, 128.91  
Volume 26.51M, EMA(50) 27.82M



MACD(12,26,9) 3.540, 2.158, 1.382





# *Commodity ETFs*

# Commodity ETFs Book Index

## Market Outlook Considerations for Week Beginning May 6, 2019

### 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

Continued Next Slide

## Commodity ETFs Book Index

### Market Outlook Considerations for Week Beginning May 6, 2019

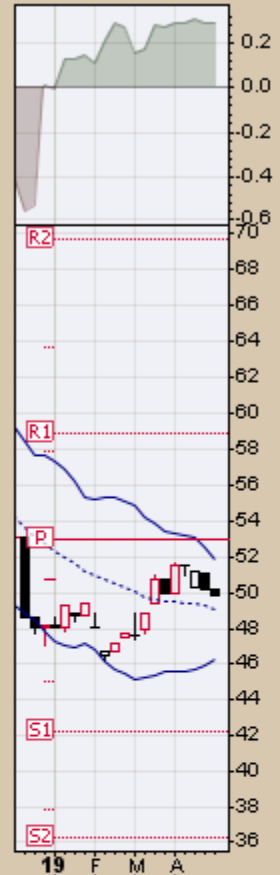
#### Chart Book Index – Commodity ETFs

- 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

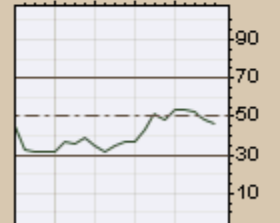
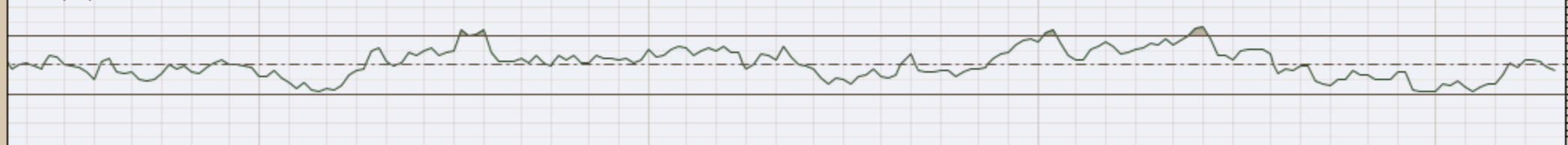
Continued Next Slide

BALTF (Weekly) 49.83  
BB(20,2,0) 46.28 - 49.07 - 51.87  
PIVOTS 36.31, 42.26, 52.96, 58.91, 69.61

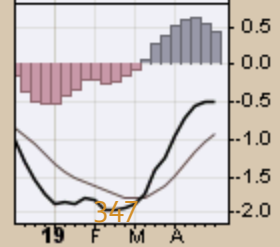
### CHART D1. COTTON, WEEKLY CHART

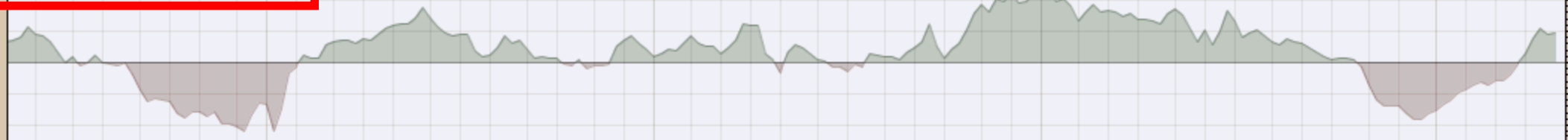


MRSI(14) 46.76



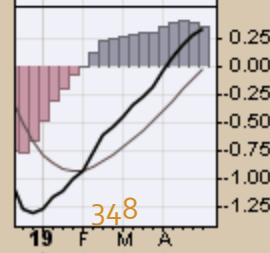
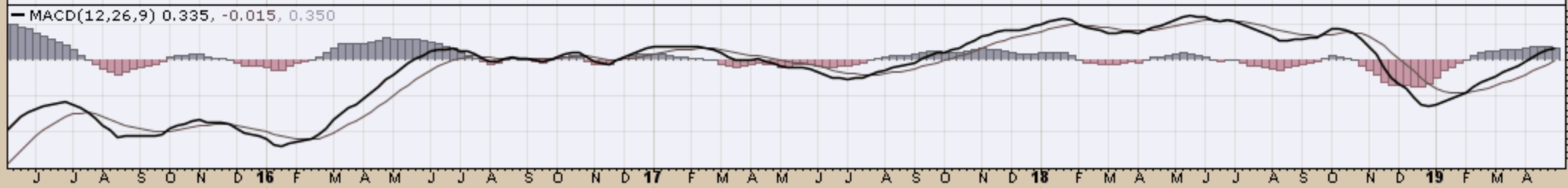
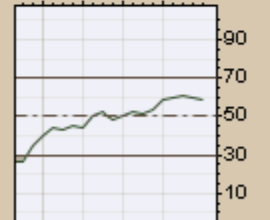
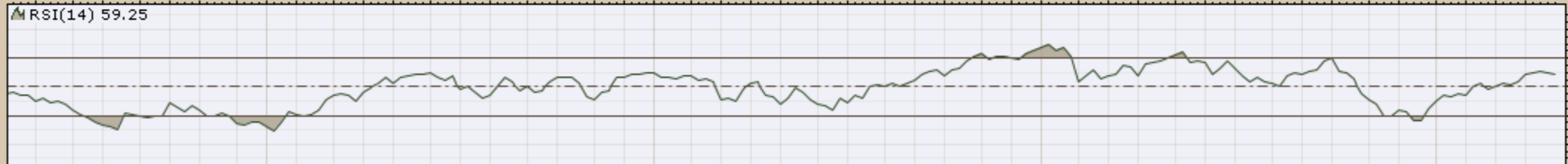
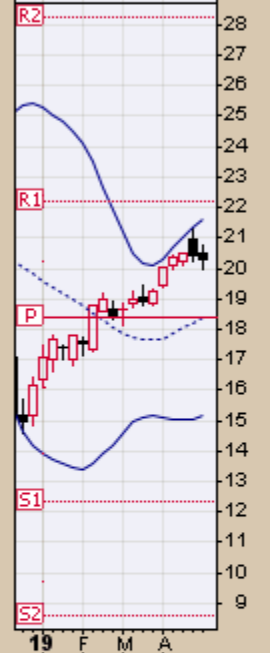
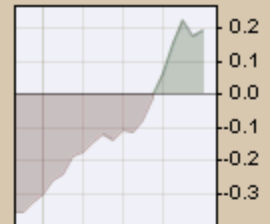
MACD(12,26,9) -0.484, -0.928, 0.444

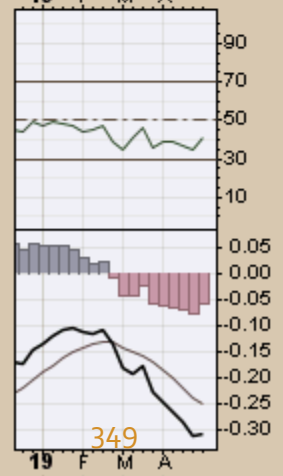
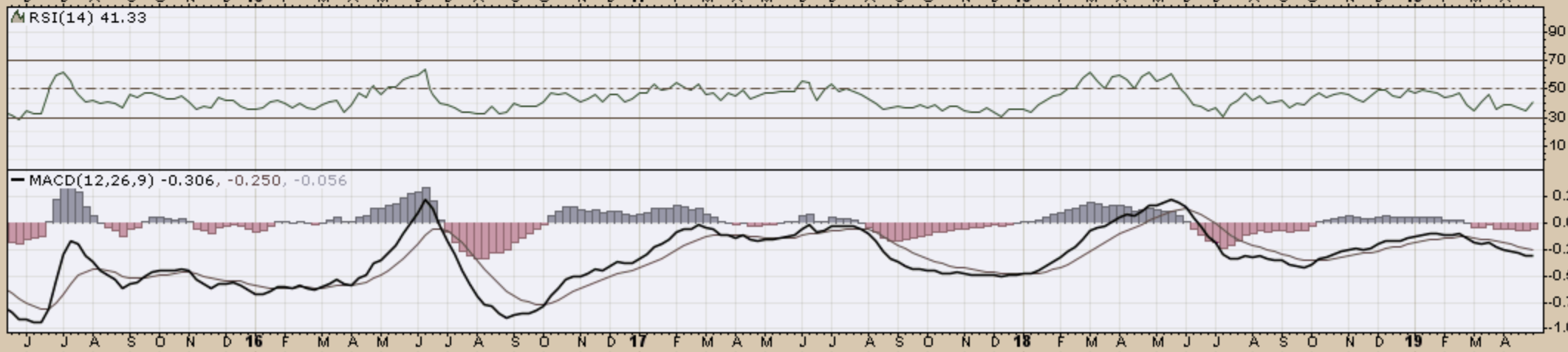
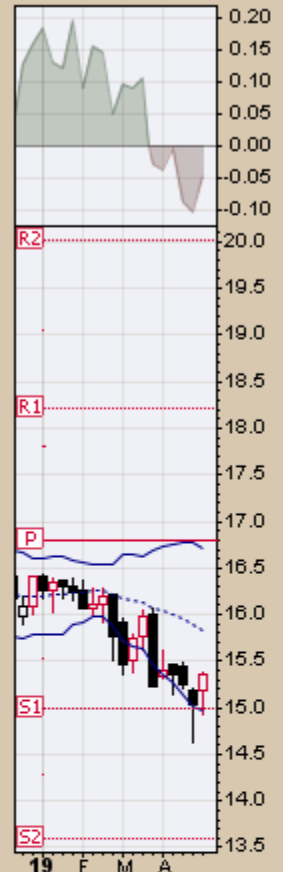


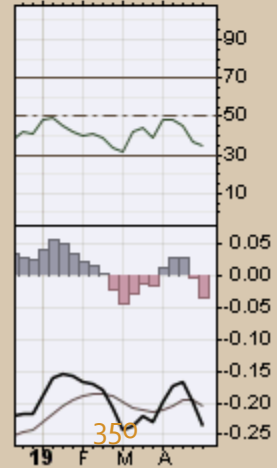
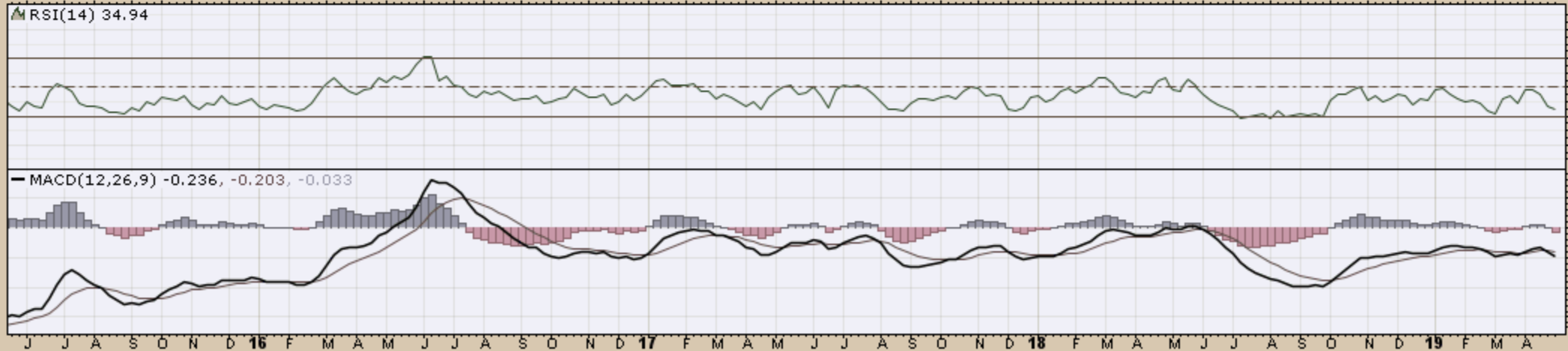
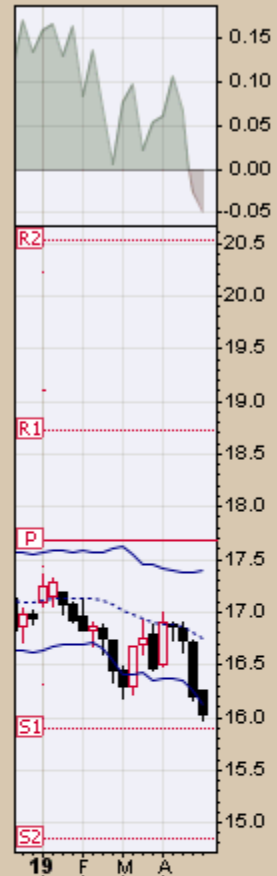


BNO (Weekly) 20.30  
 BB(20,2,0) 15.15 - 18.37 - 21.58  
 PIVOTS 8.56, 12.37, 18.39, 22.20, 28.22

**CHART D2. BRENT OIL, WEEKLY CHART**

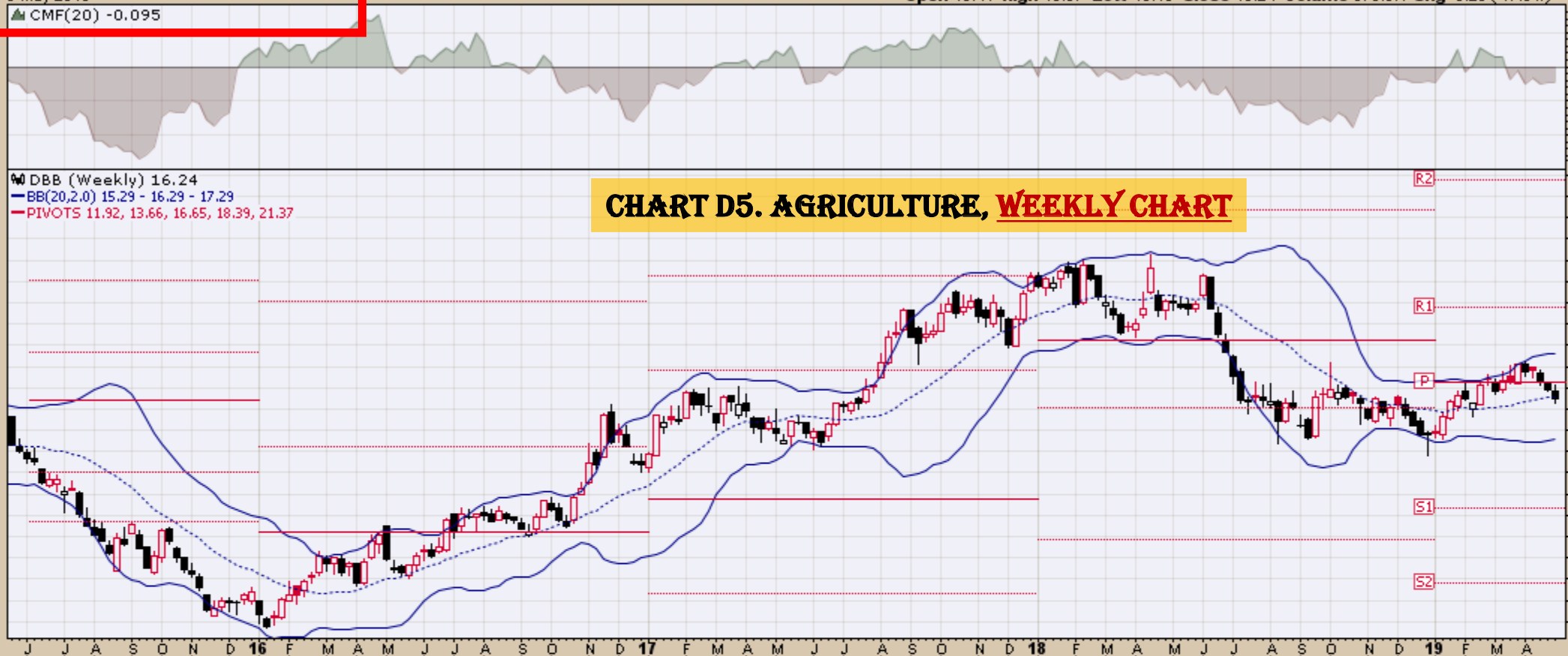




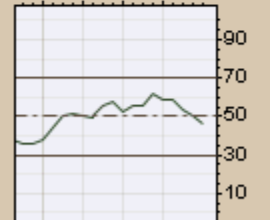


DBB (Weekly) 16.24  
BB(20,2,0) 15.29 - 16.29 - 17.29  
PIVOTS 11.92, 13.66, 16.65, 18.39, 21.37

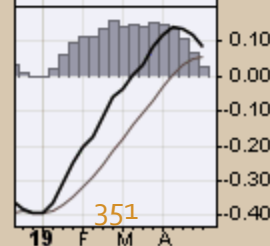
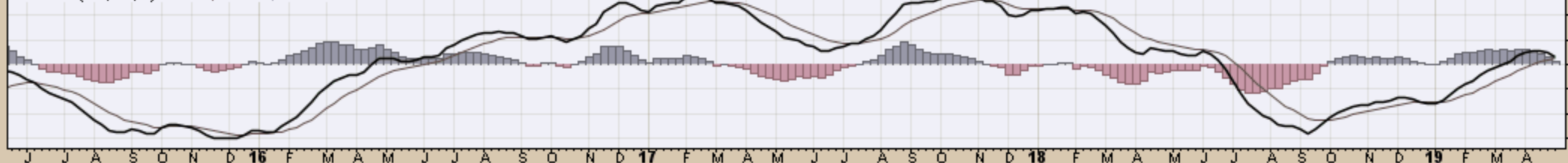
### CHART D5. AGRICULTURE, WEEKLY CHART



▲ RSI(14) 46.27



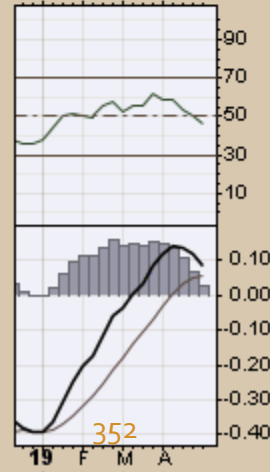
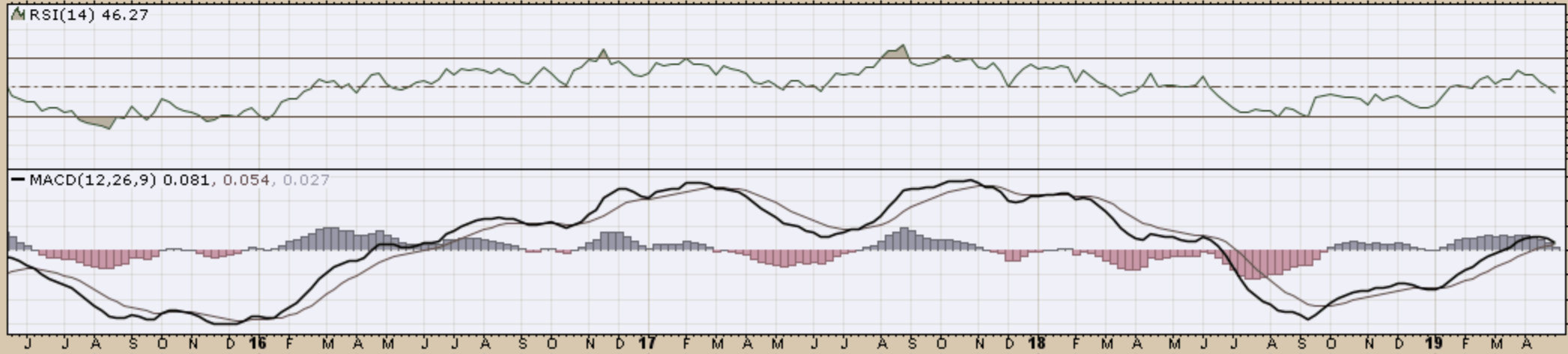
MACD(12,26,9) 0.081, 0.054, 0.027





DBB (Weekly) 16.24  
BB(20,2,0) 15.29 - 16.29 - 17.29  
PIVOTS 11.92, 13.66, 16.65, 18.39, 21.37

### CHART D6. BASE METALS, WEEKLY CHART

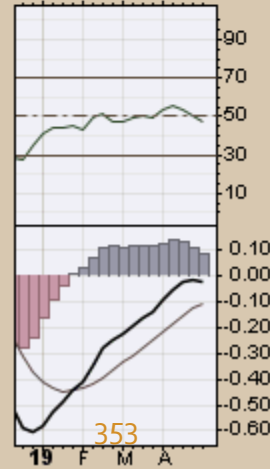
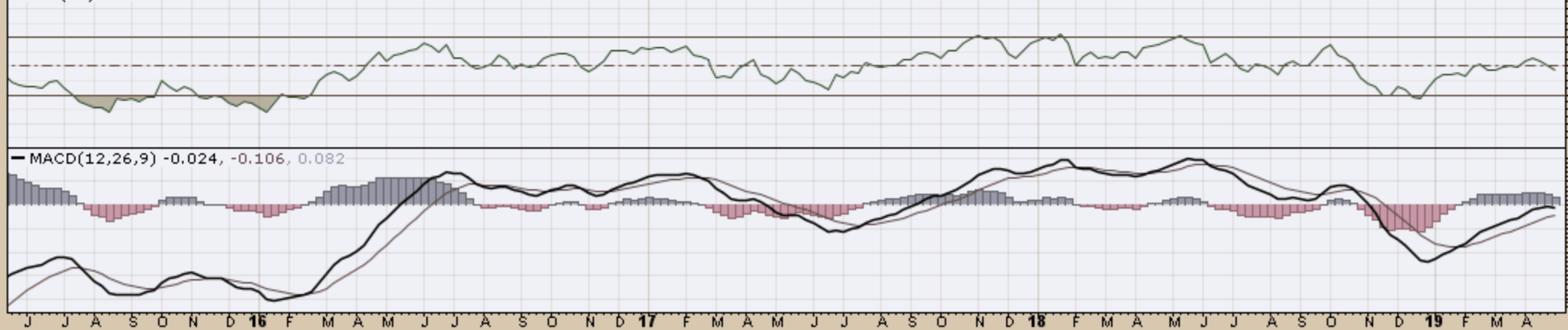


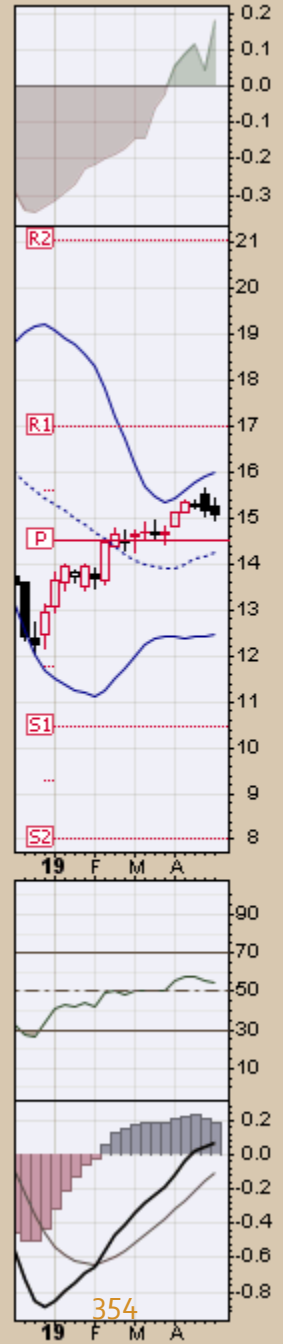
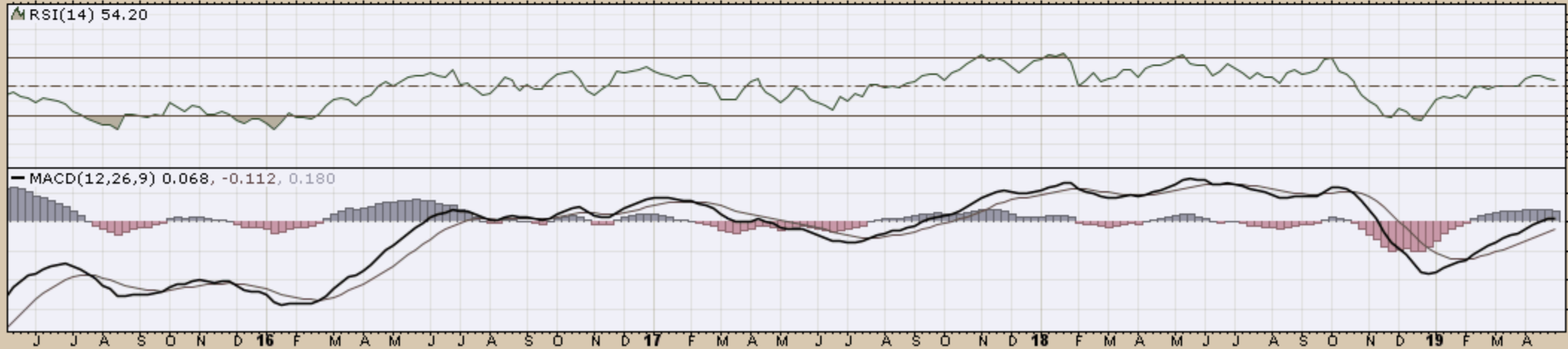
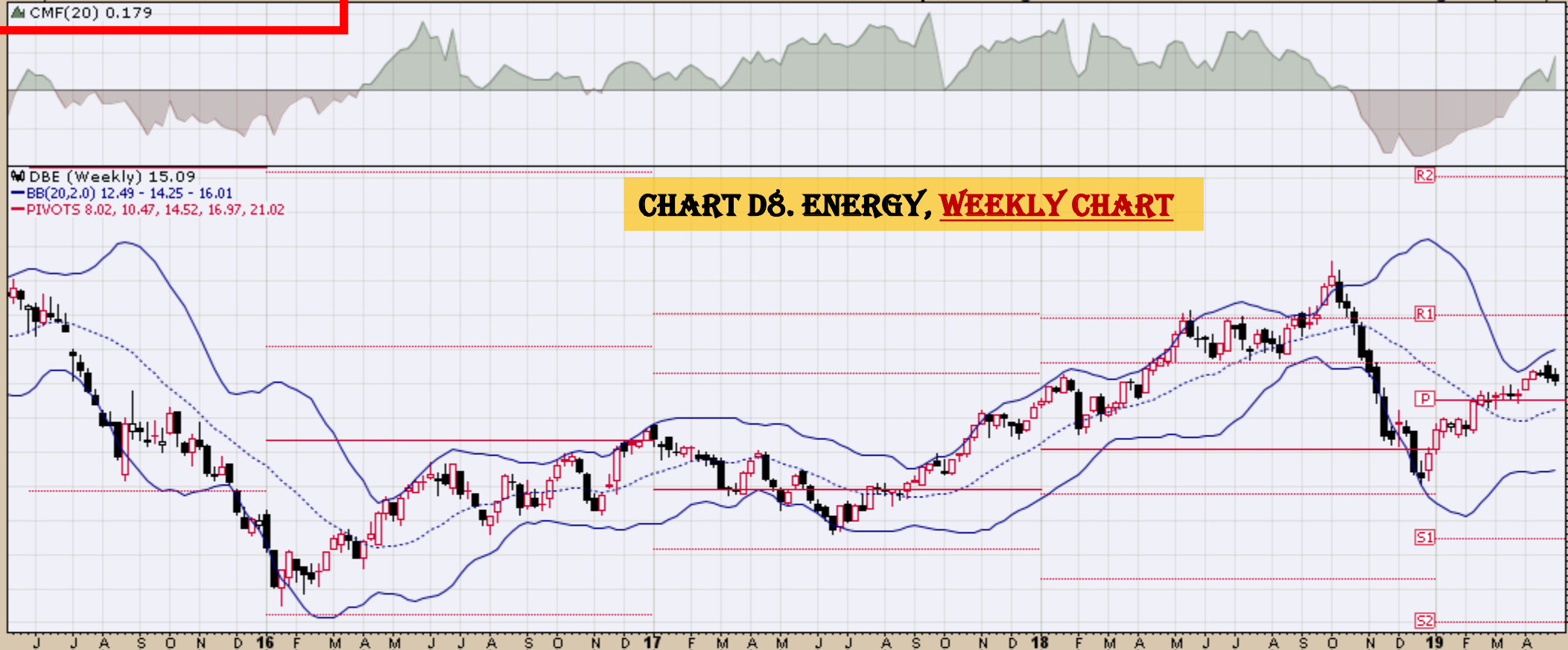
### CHART D7. COMMODITY INDEX, WEEKLY CHART

DBC (Weekly) 15.87  
BB(20,2,0) 14.65 - 15.67 - 16.68  
PIVOTS 11.77, 13.31, 15.86, 17.40, 19.95



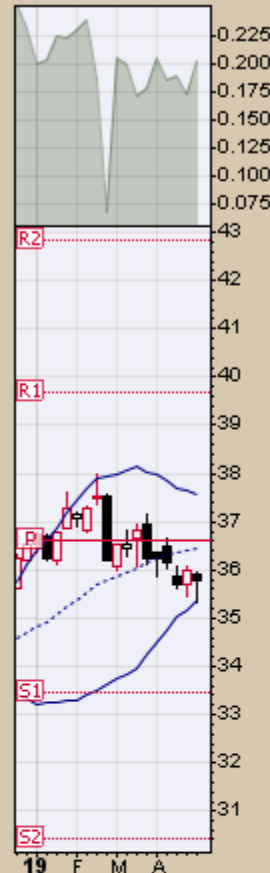
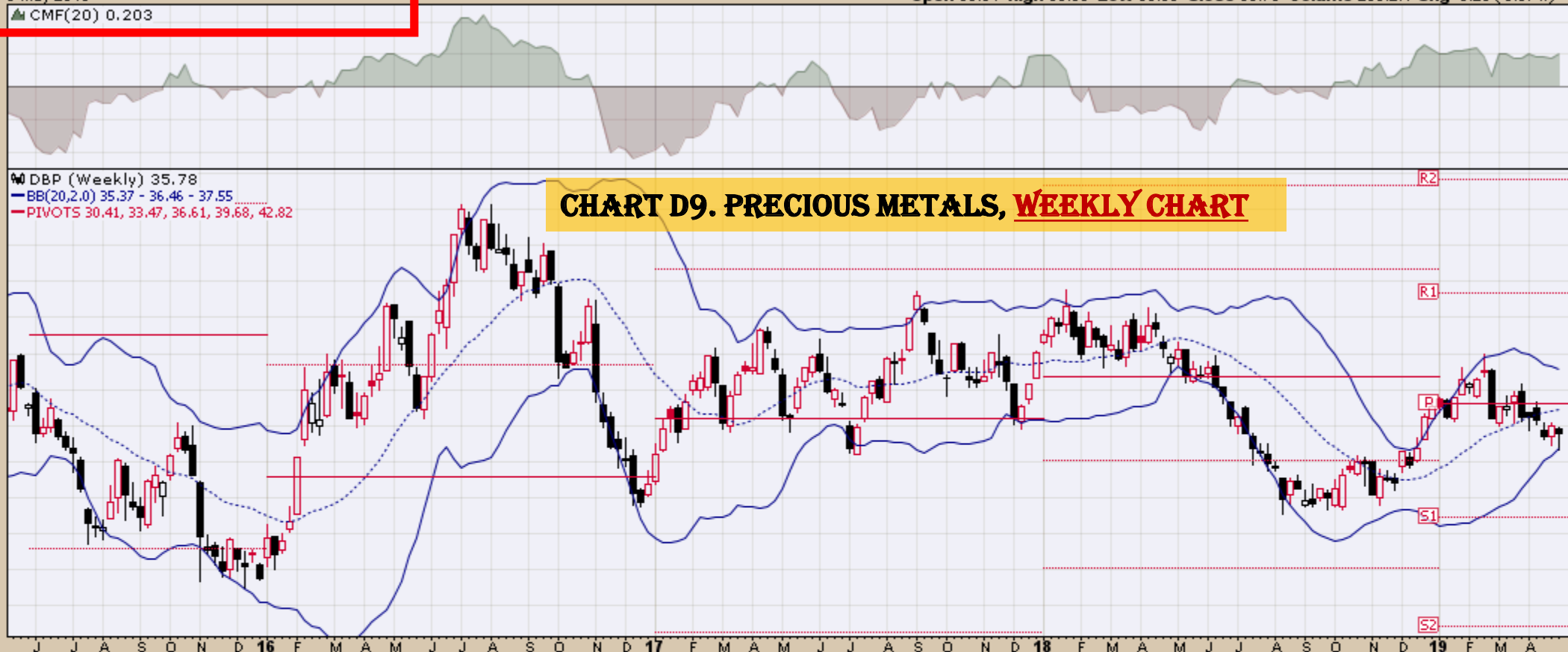
MRSI(14) 47.85



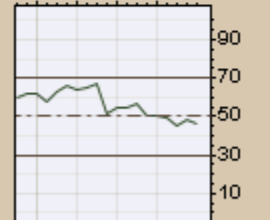
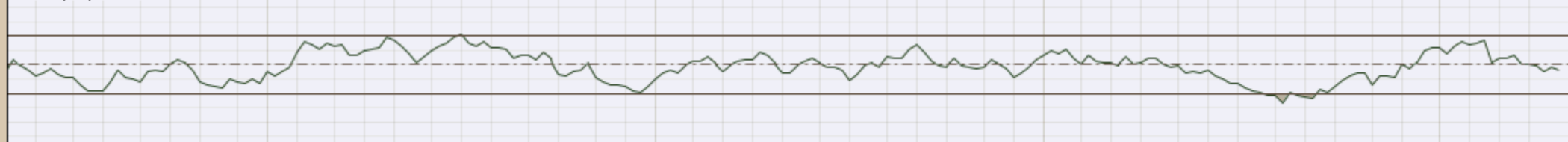


### CHART D9. PRECIOUS METALS, WEEKLY CHART

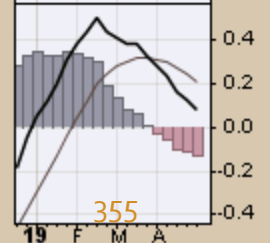
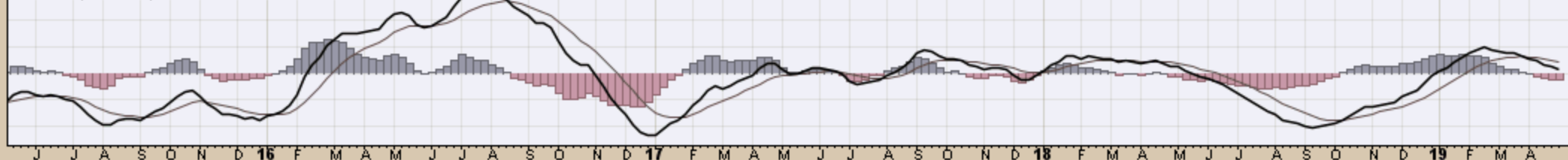
DBP (Weekly) 35.78  
BB(20,2,0) 35.37 - 36.46 - 37.55  
PIVOTS 30.41, 33.47, 36.61, 39.68, 42.82



RSI(14) 46.13



MACD(12,26,9) 0.077, 0.207, -0.130

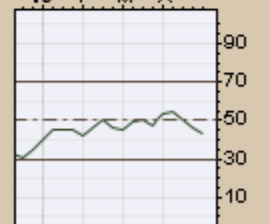
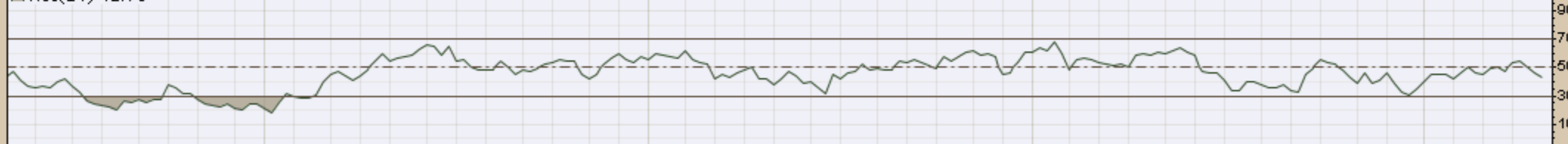


### CHART D10. COMMODITY INDEX

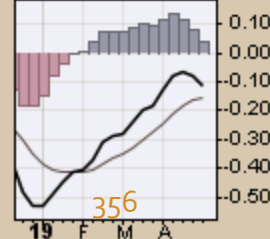
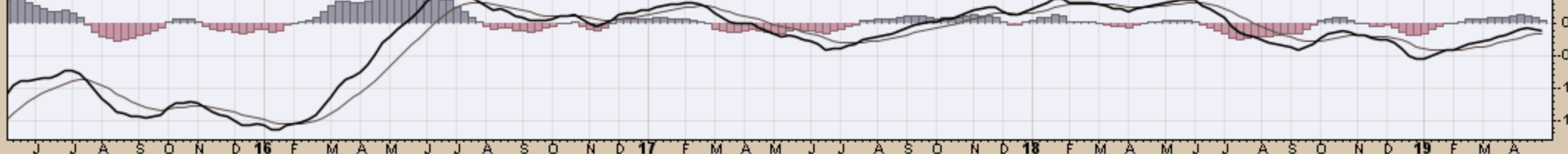
DJP (Weekly) 22.26  
BB(20,2,0) 21.56 - 22.48 - 23.39  
PIVOTS 17.20, 19.45, 22.62, 24.87, 28.04



▲ RSI(14) 42.78

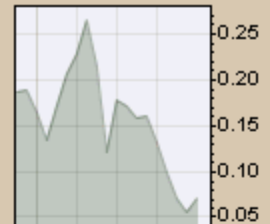


MACD(12,26,9) -0.114, -0.154, 0.040

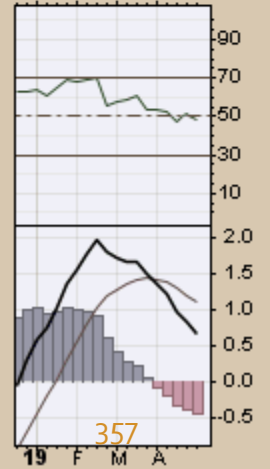
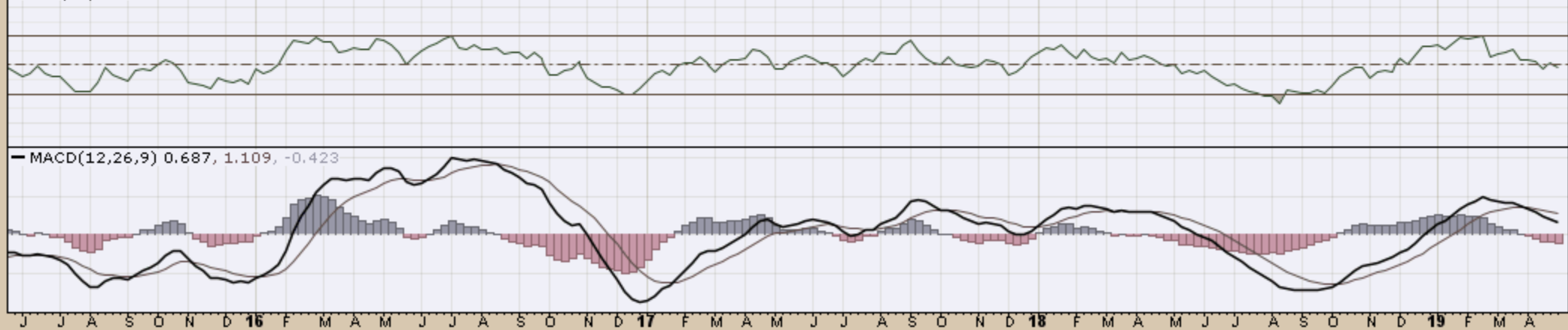


### CHART D11. GOLD, WEEKLY CHART

GLD (Weekly) 120.65  
BB(20,2,0) 119.01 - 122.29 - 125.57  
PIVOTS 102.22, 111.83, 120.67, 130.28, 139.13

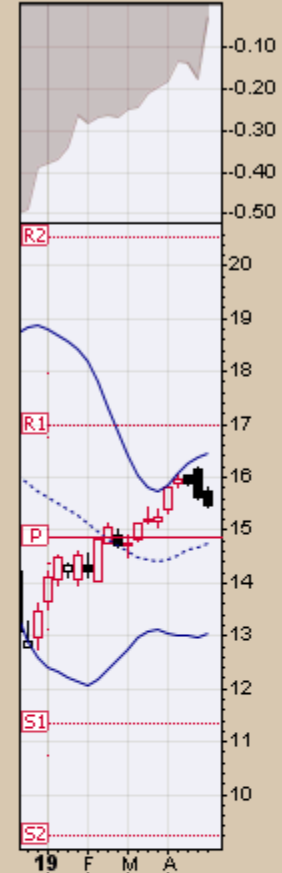


▲ RSI(14) 48.75

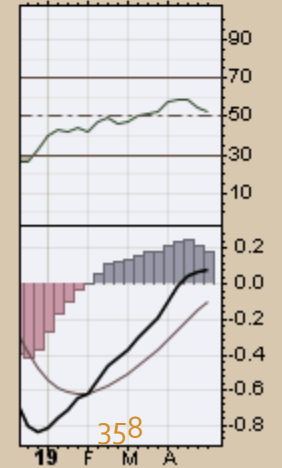
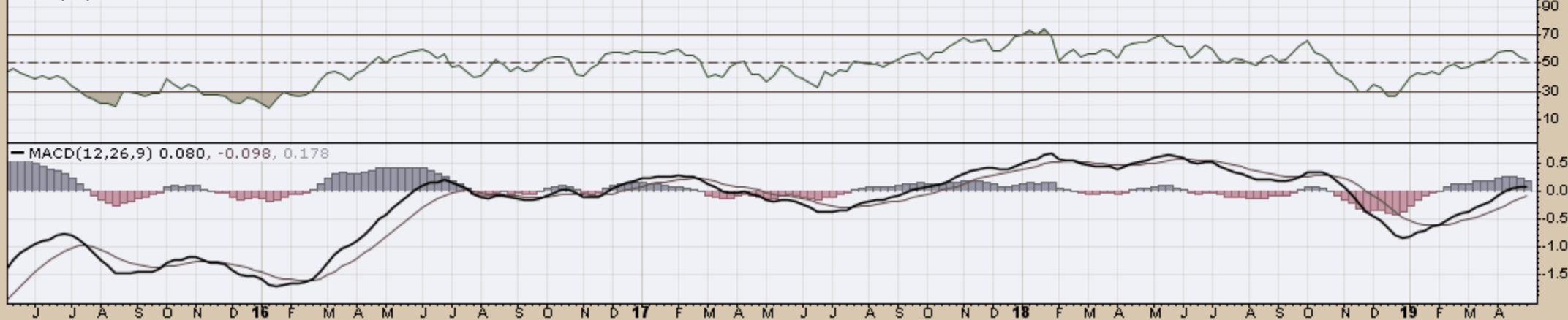


# CHART D12. GOLDMAN SACHS TOTAL RETURN COMMODITY INDEX, WEEKLY CHART

W GSP (Weekly) 15.47  
BB(20,2,0) 13.03 - 14.74 - 16.45  
PIVOTS 9.21, 11.34, 14.87, 17.00, 20.52



MRSI(14) 52.69

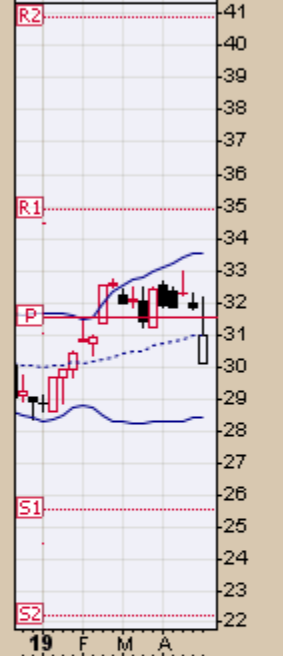
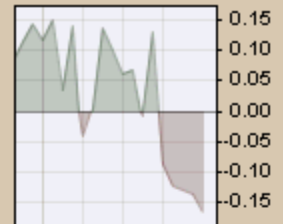
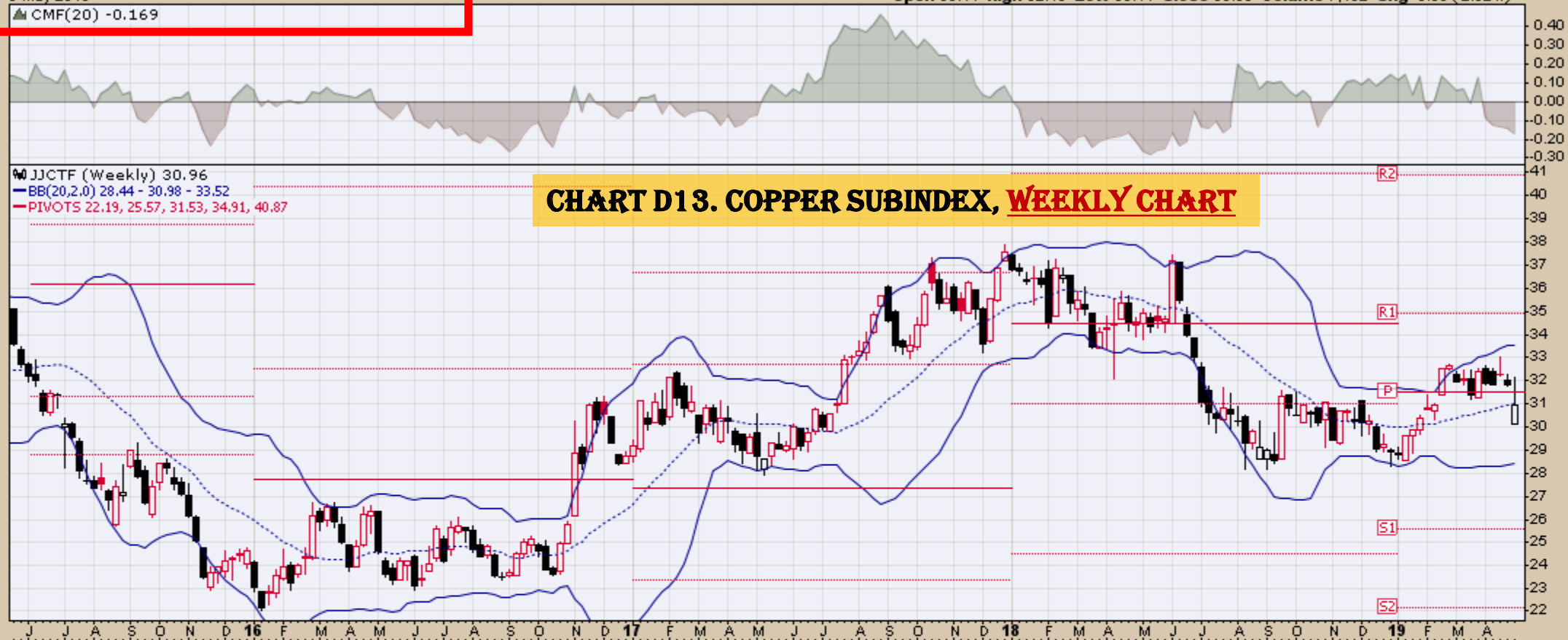




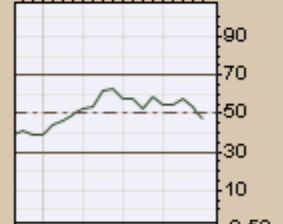
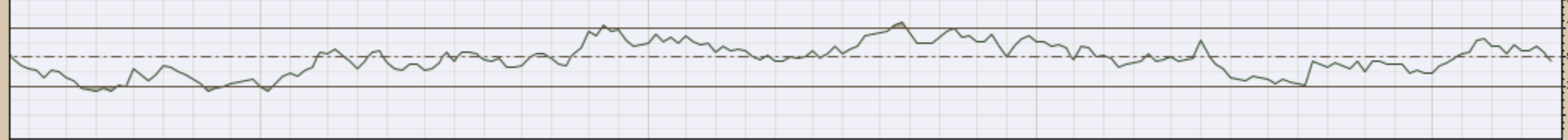
▲ CMF(20) -0.169

▲ JJCTF (Weekly) 30.96  
— BB(20,2,0) 28.44 - 30.98 - 33.52  
— PIVOTS 22.19, 25.57, 31.53, 34.91, 40.87

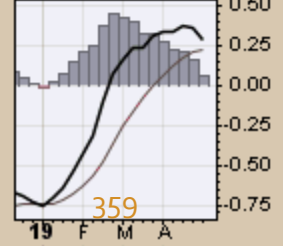
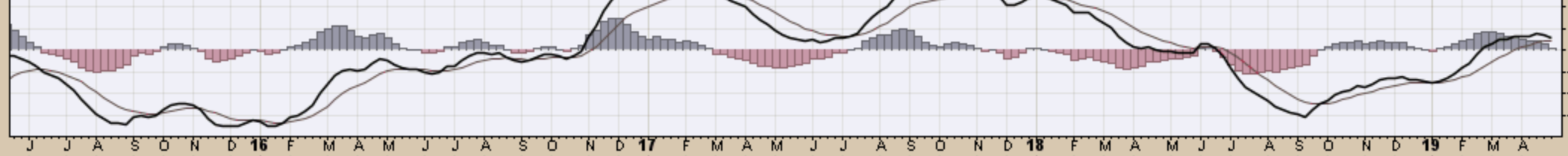
### CHART D13. COPPER SUBINDEX, WEEKLY CHART



▲ RSI(14) 47.71



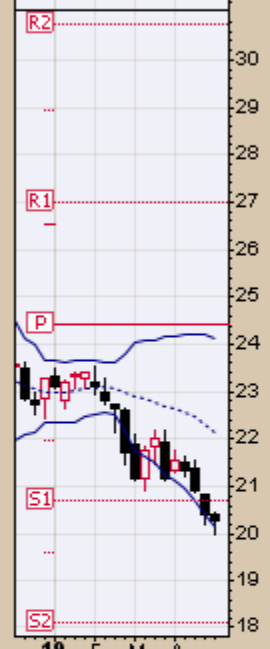
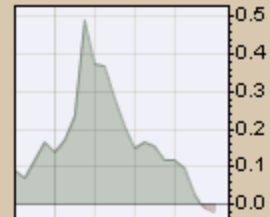
— MACD(12,26,9) 0.278, 0.222, 0.056



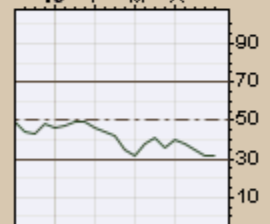


▲ JJGTF (Weekly) 20.30  
— BB(20,2,0) 20.14 - 22.14 - 24.14  
— PIVOTS 18.11, 20.69, 24.42, 27.00, 30.73

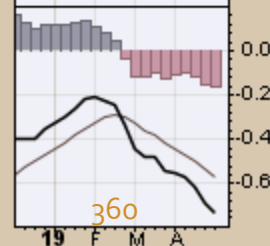
### CHART D14. GRAINS, WEEKLY CHART



▲ RSI(14) 31.53

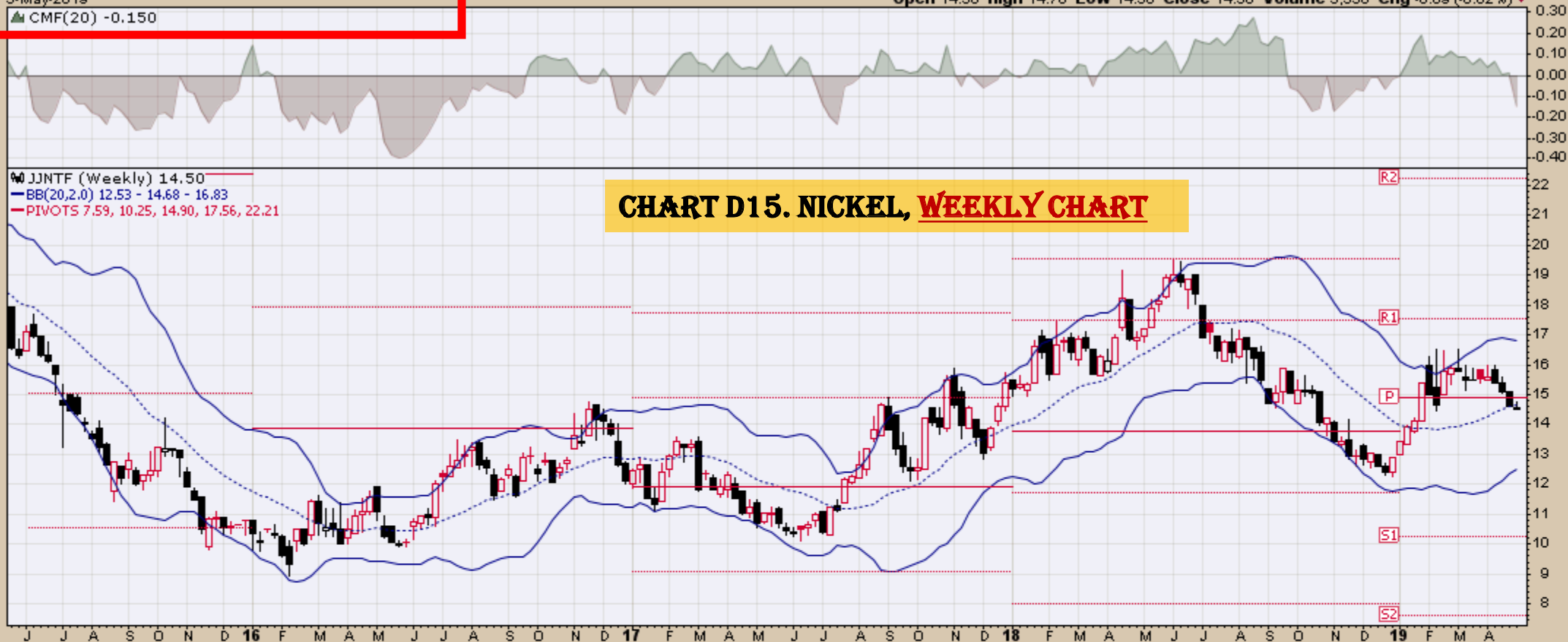


— MACD(12,26,9) -0.736, -0.573, -0.163

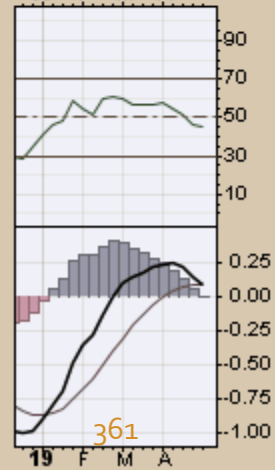
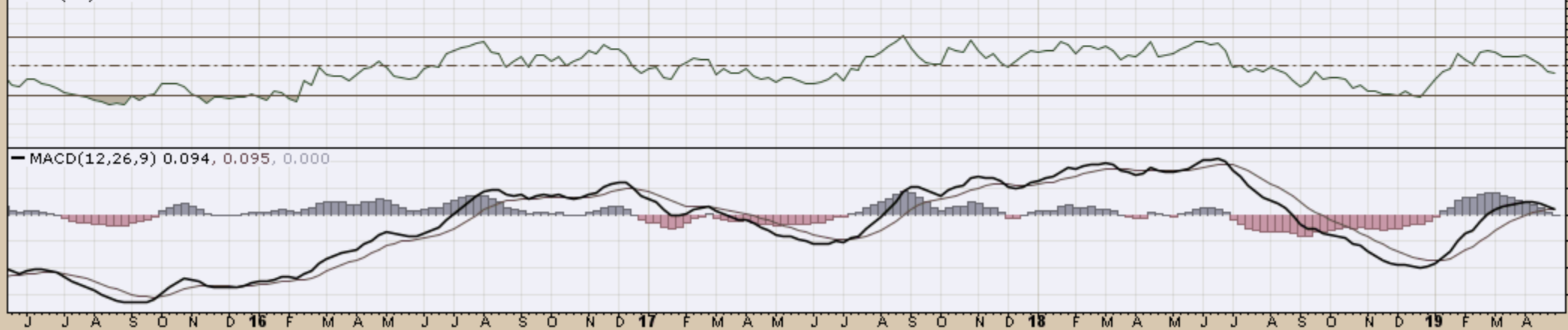


▲ JJNTF (Weekly) 14.50  
— BB(20,2,0) 12.53 - 14.68 - 16.83  
— PIVOTS 7.59, 10.25, 14.90, 17.56, 22.21

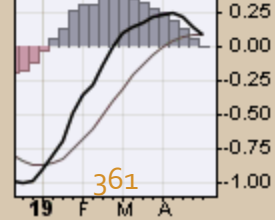
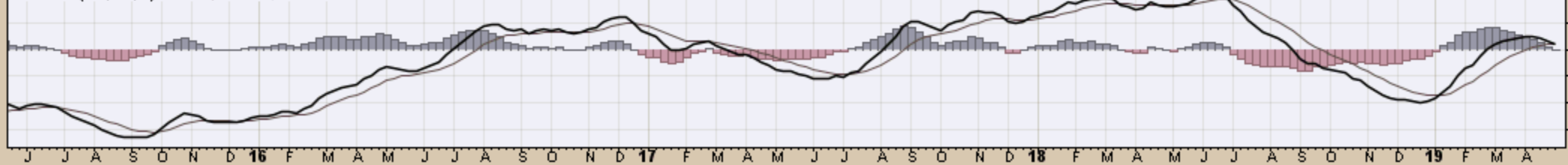
**CHART D15. NICKEL, WEEKLY CHART**

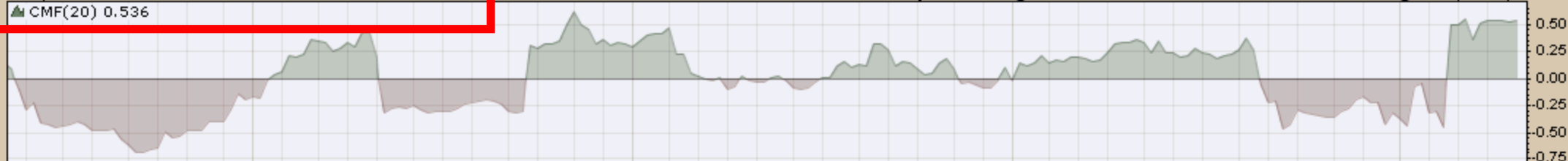


▲ RSI(14) 45.32



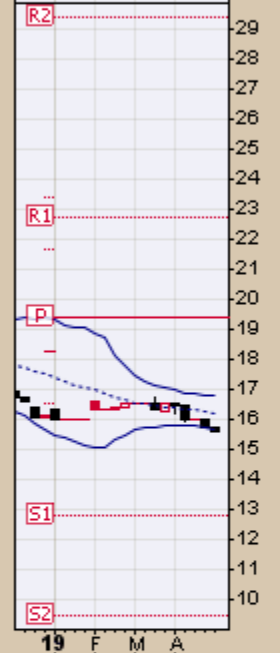
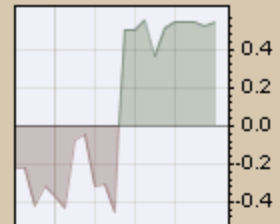
— MACD(12,26,9) 0.094, 0.095, 0.000



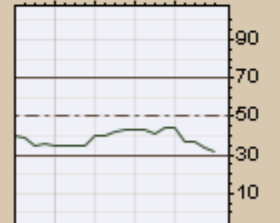
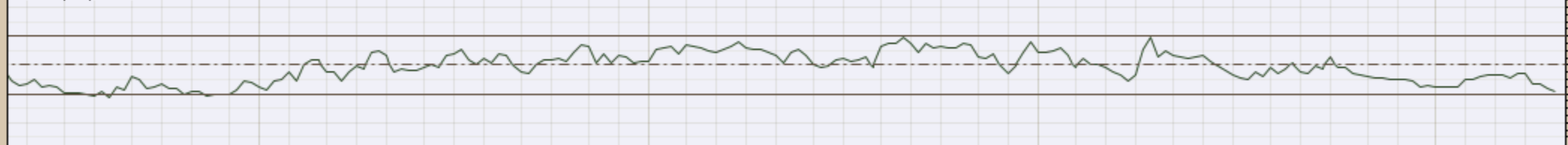


JJUFF (Weekly) 15.58  
 BB(20,2,0) 15.61 - 16.18 - 16.75  
 PIVOTS 9.40, 12.77, 19.38, 22.75, 29.36

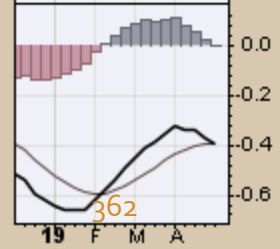
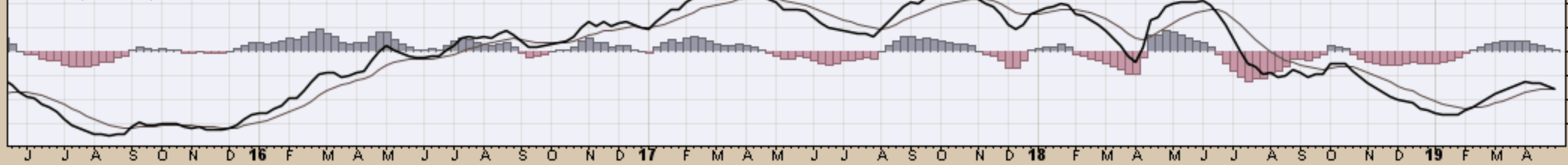
**CHART D16. ALUMINUM, WEEKLY CHART**

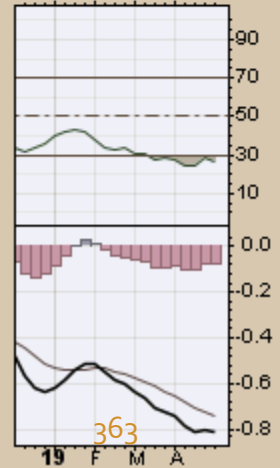
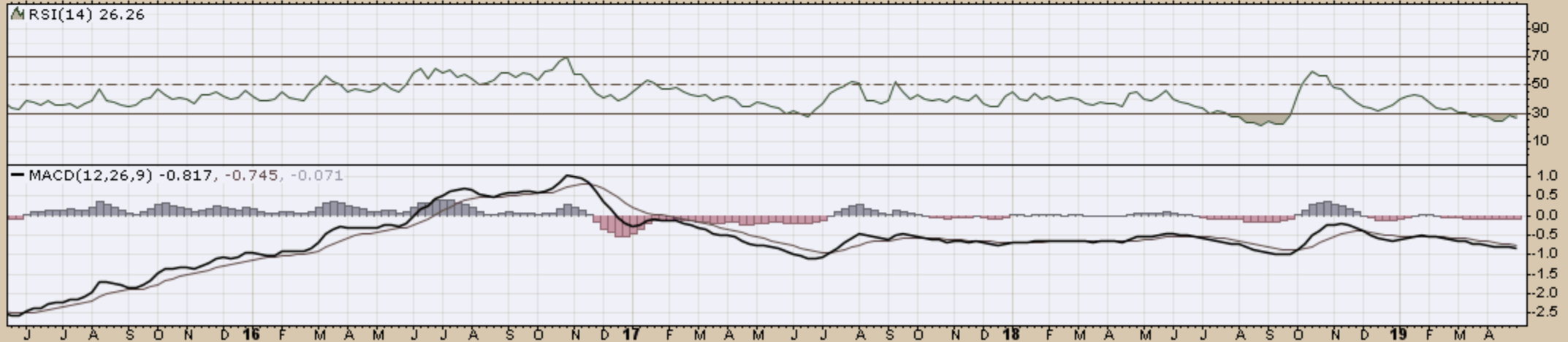
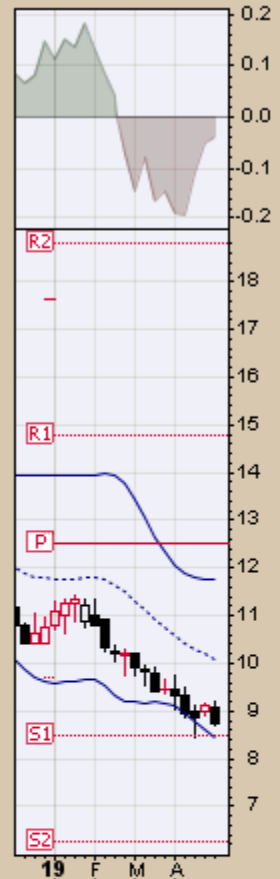


MRSI(14) 32.18



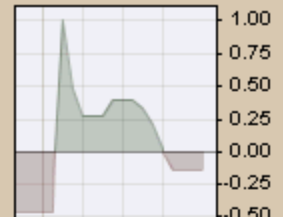
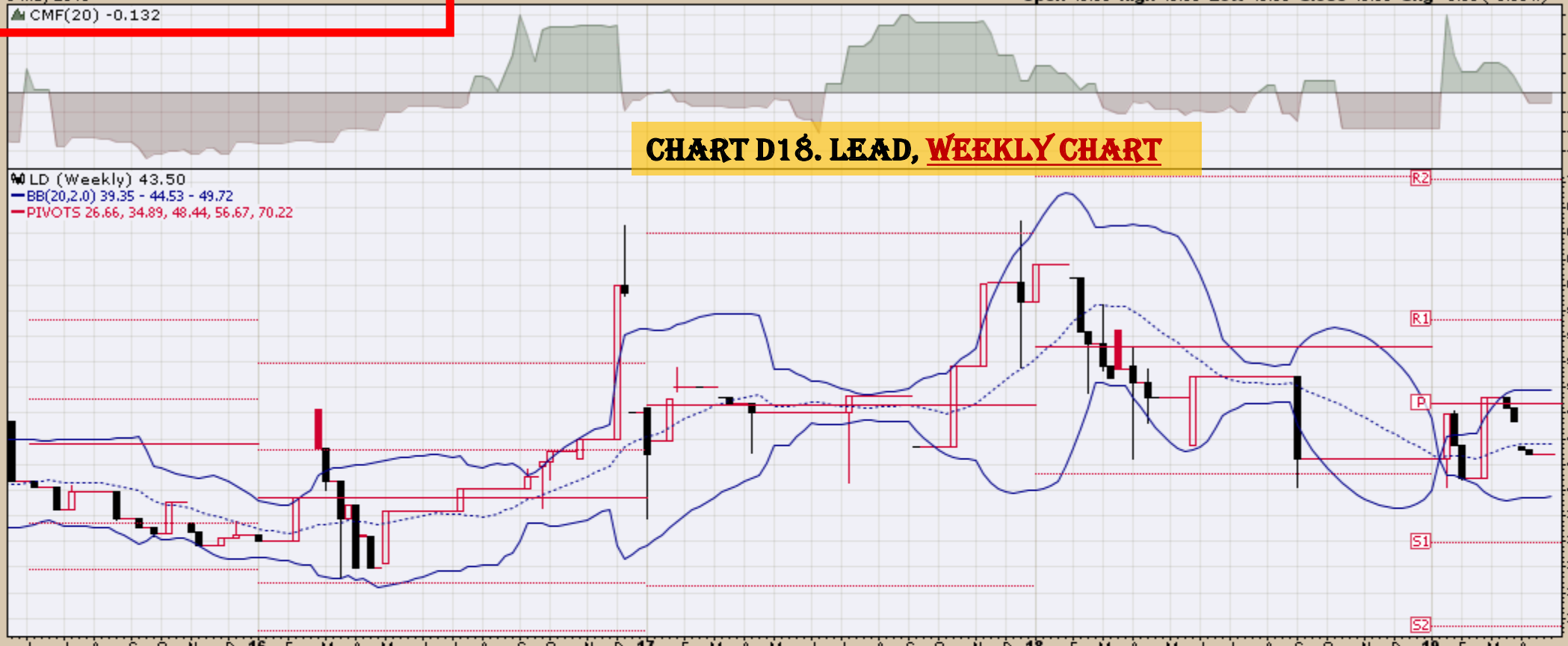
MACD(12,26,9) -0.388, -0.391, 0.003



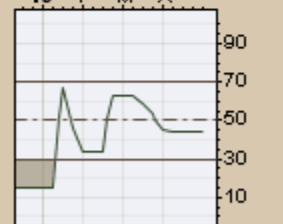
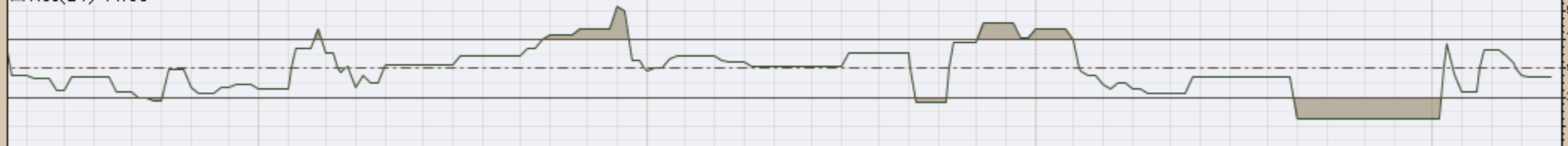


### CHART D18. LEAD, WEEKLY CHART

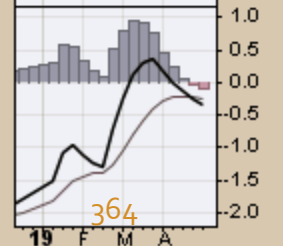
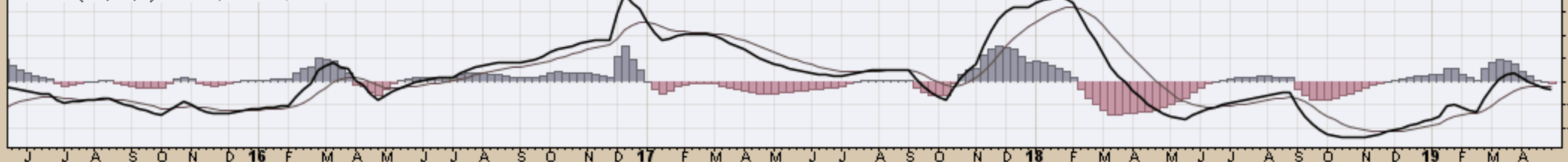
LD (Weekly) 43.50  
BB(20,2,0) 39.35 - 44.53 - 49.72  
PIVOTS 26.66, 34.89, 48.44, 56.67, 70.22



MRSI(14) 44.00

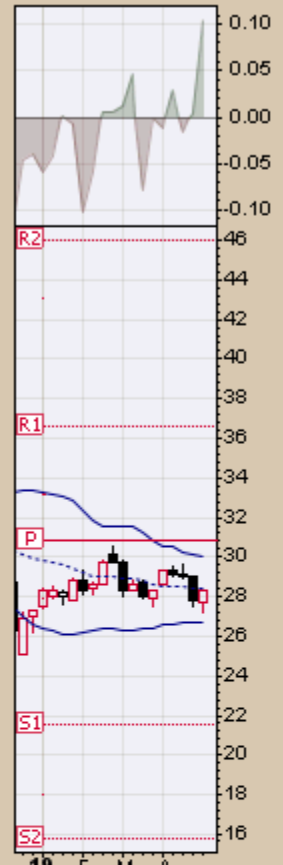


MACD(12,26,9) -0.334, -0.242, -0.092

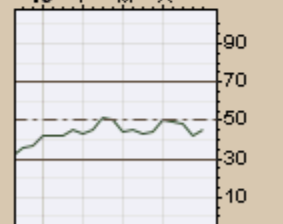
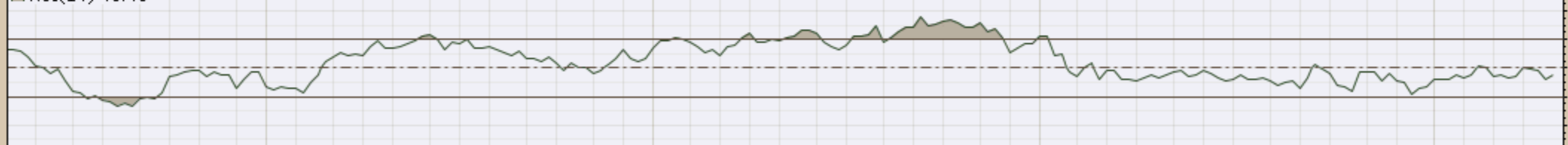


LIT (Weekly) 28.29  
BB(20,2,0) 26.66 - 28.37 - 30.08  
PIVOTS 15.74, 21.50, 30.85, 36.61, 45.95

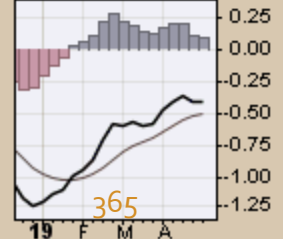
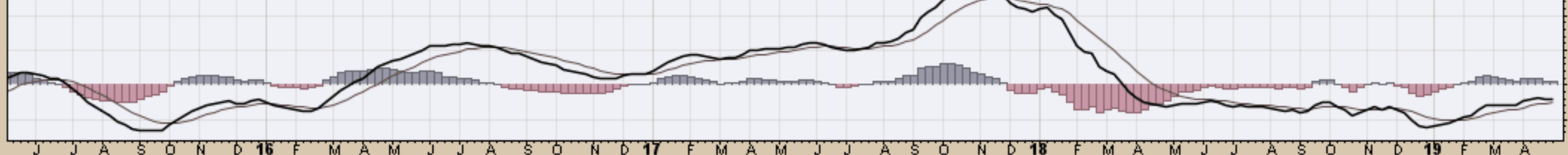
### CHART D19. LITHIUM, WEEKLY CHART

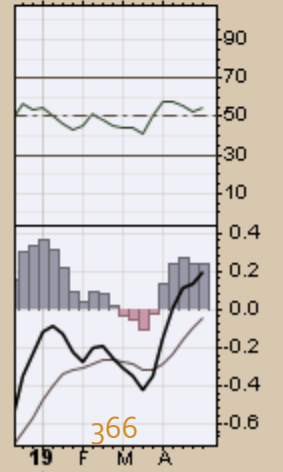
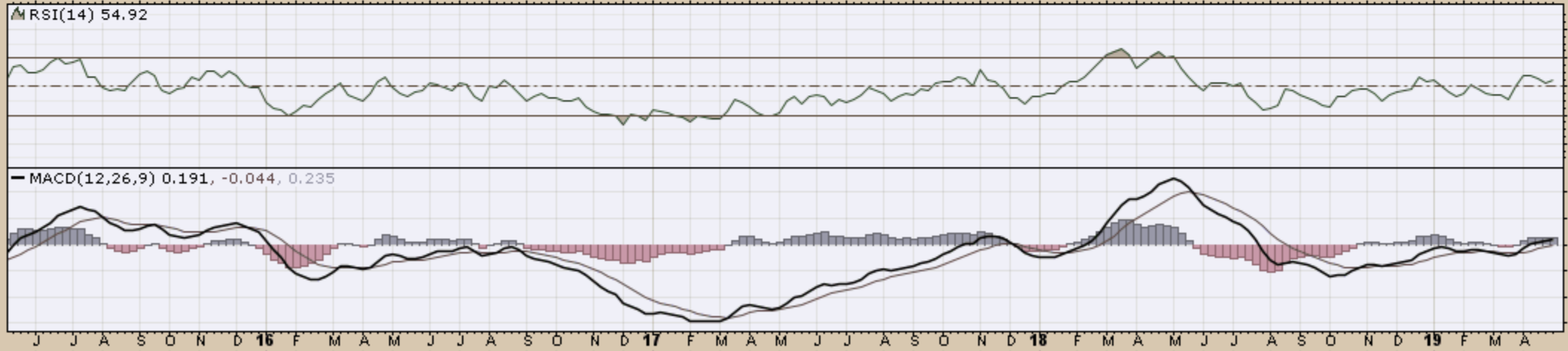


MRSI(14) 45.48



MACD(12,26,9) -0.416, -0.506, 0.090

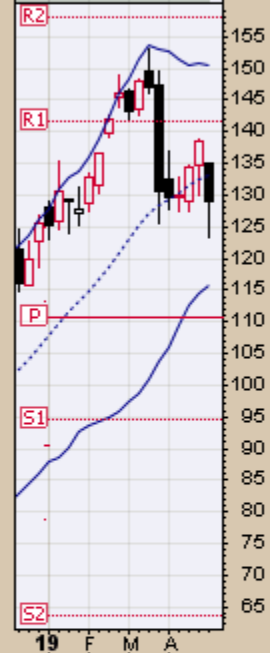
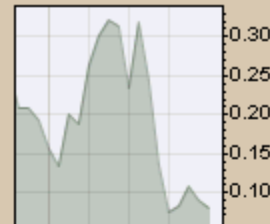
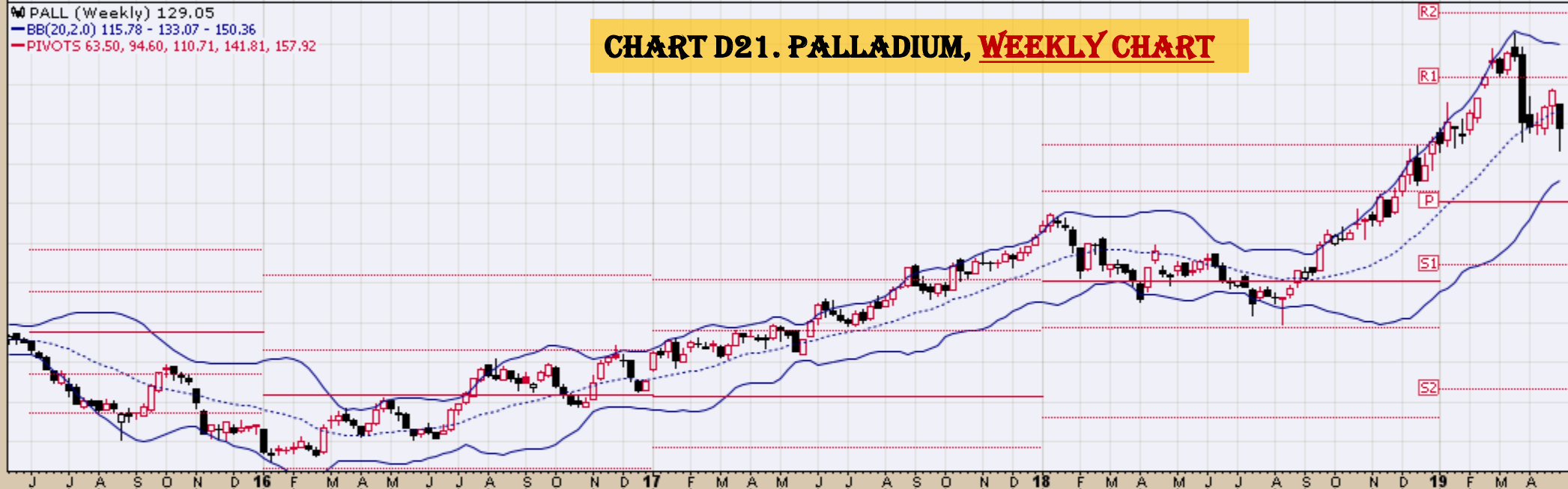




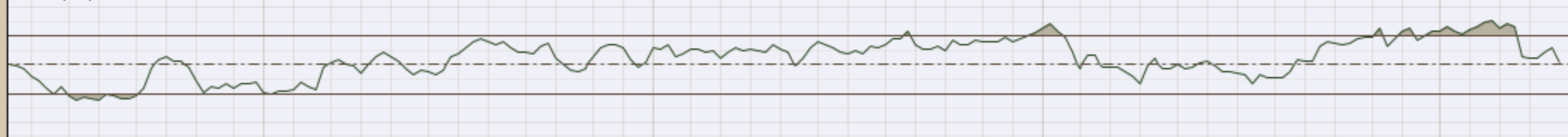


PALL (Weekly) 129.05  
 BB(20,2,0) 115.78 - 133.07 - 150.36  
 PIVOTS 63.50, 94.60, 110.71, 141.81, 157.92

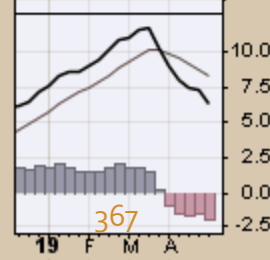
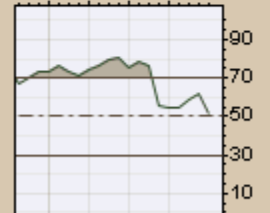
**CHART D21. PALLADIUM, WEEKLY CHART**



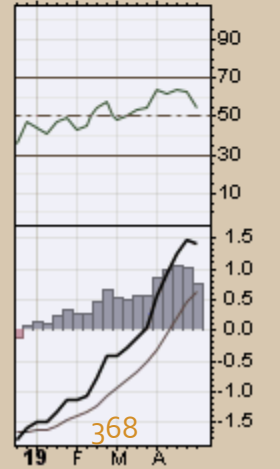
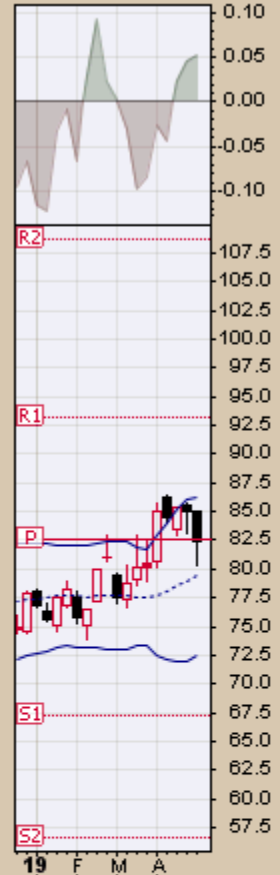
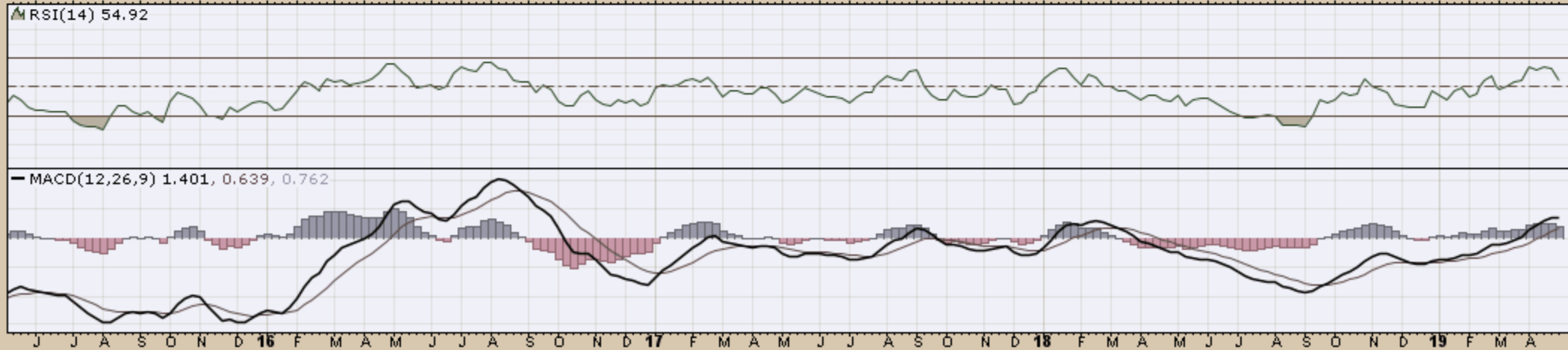
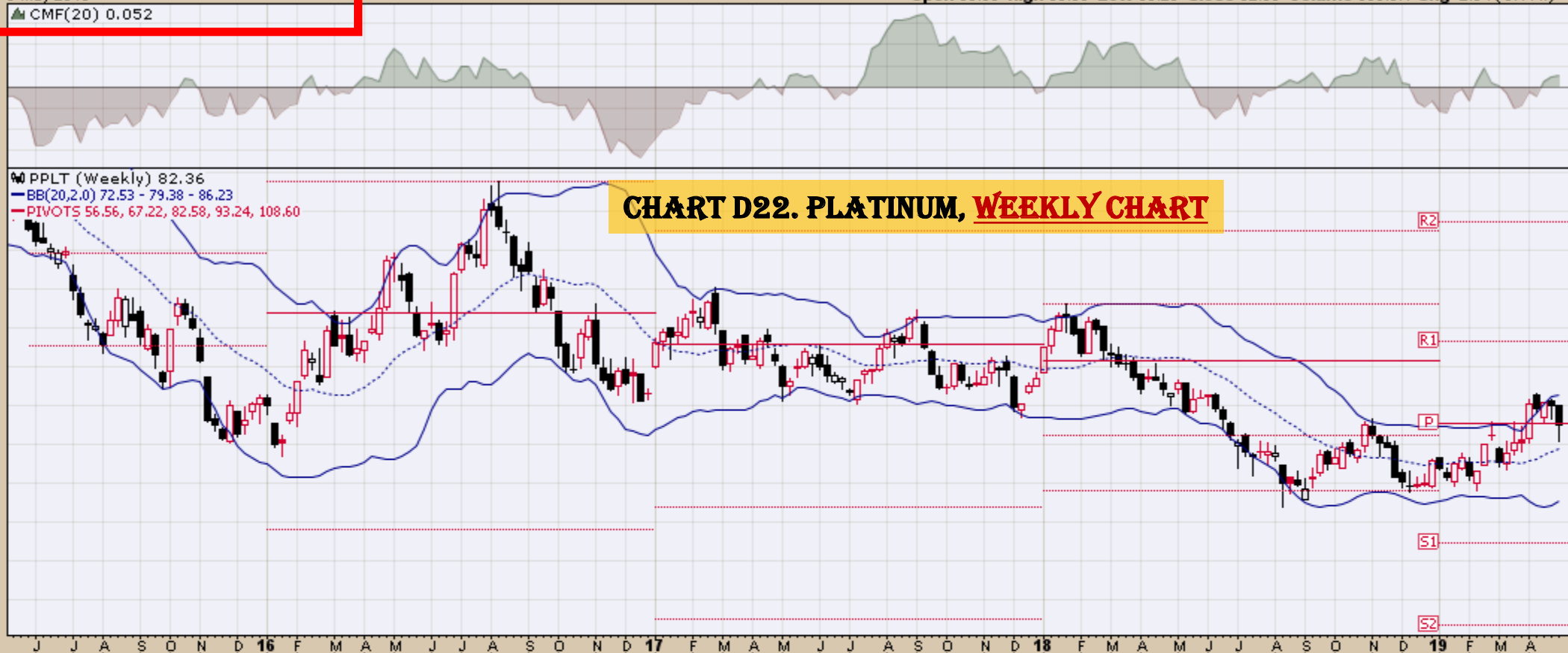
RSI(14) 51.80

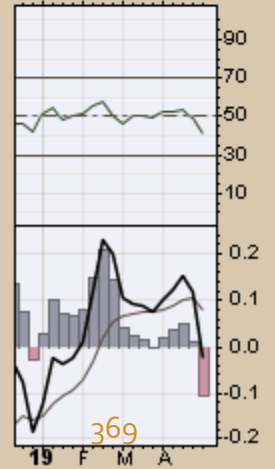
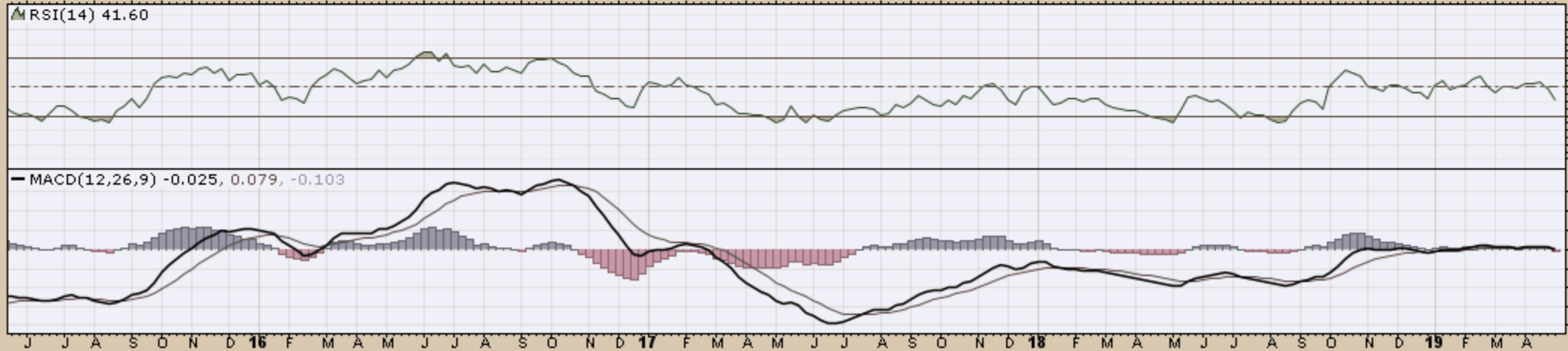
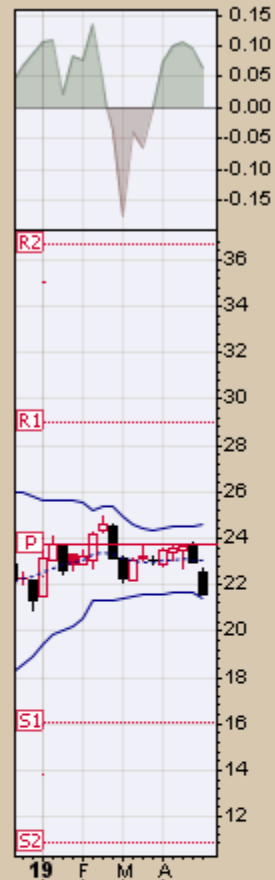


MACD(12,26,9) 6.284, 8.266, -1.982









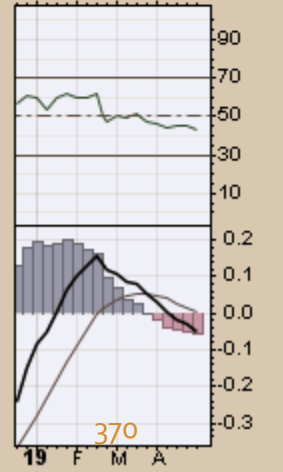
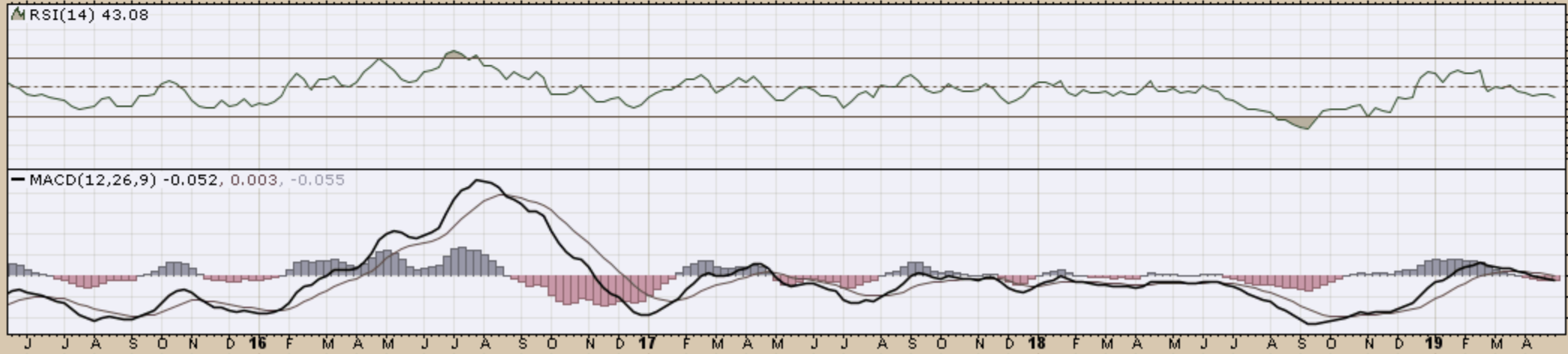
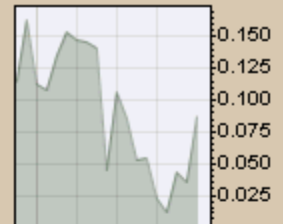
SLV iShares Silver Trust NYSE

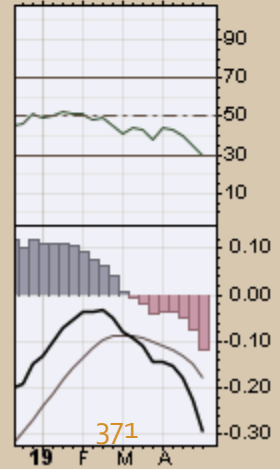
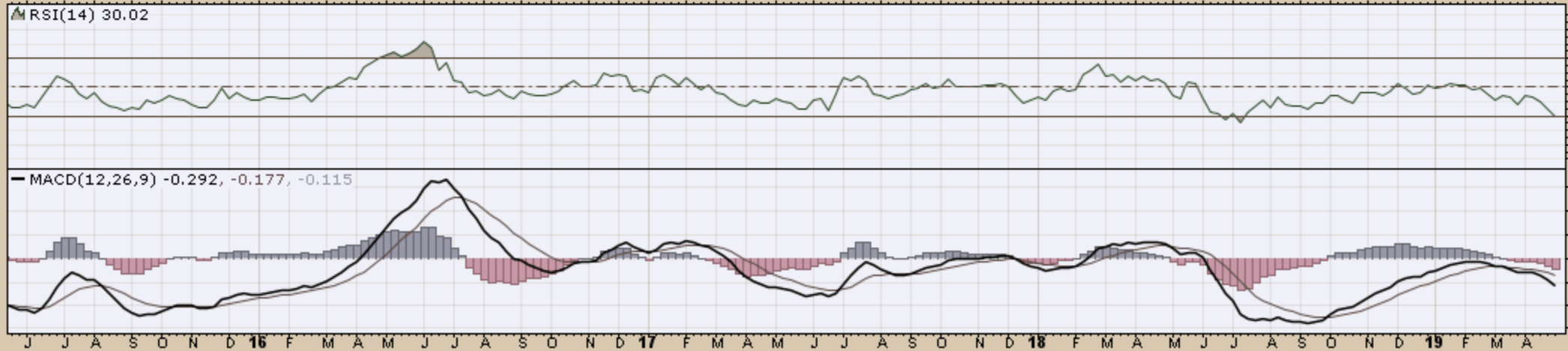
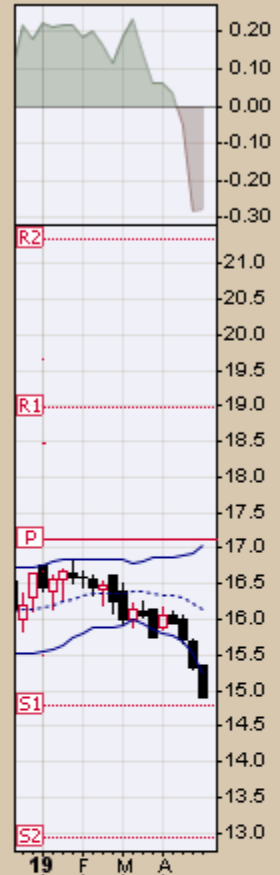
3-May-2019

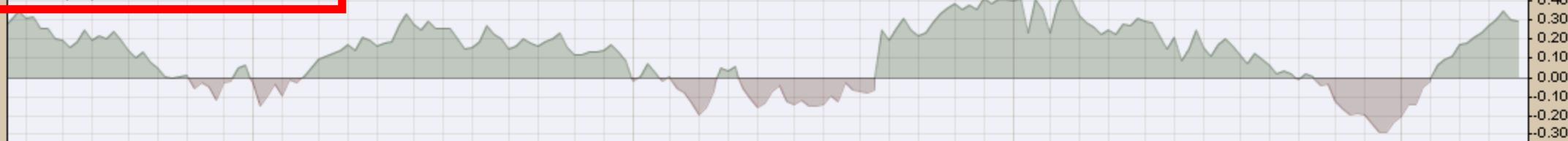
CMF(20) 0.087

Open 14.01 High 14.04 Low 13.65 Close 13.96 Volume 50.3M Chg -0.14 (-0.99%)

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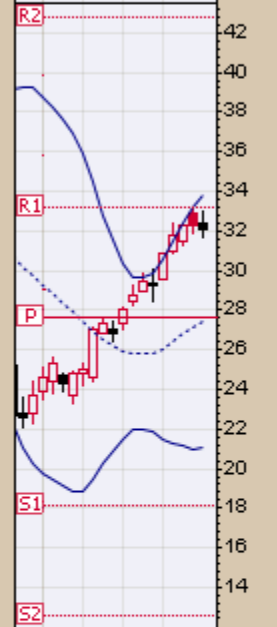
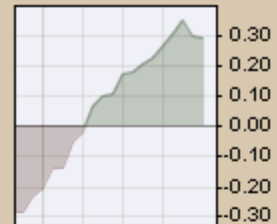
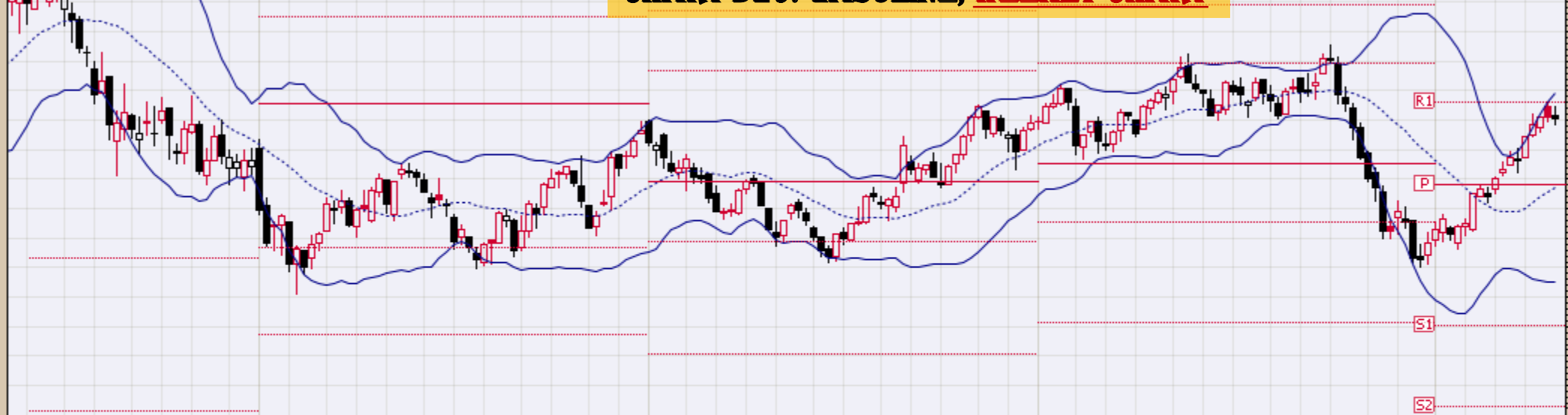




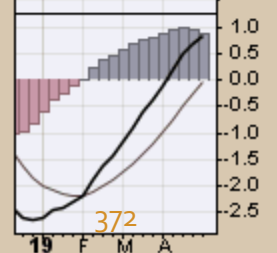
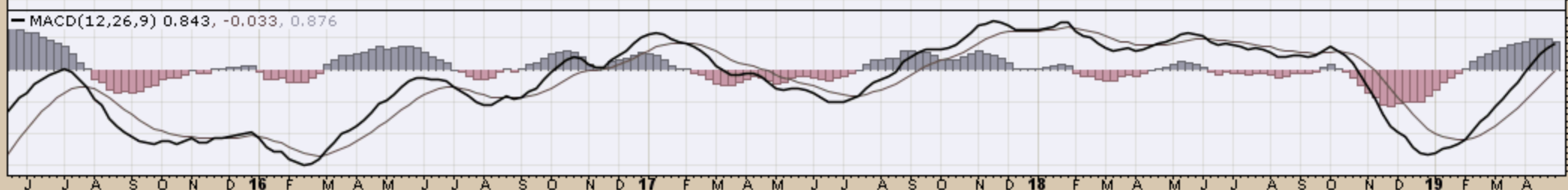
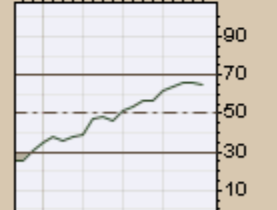
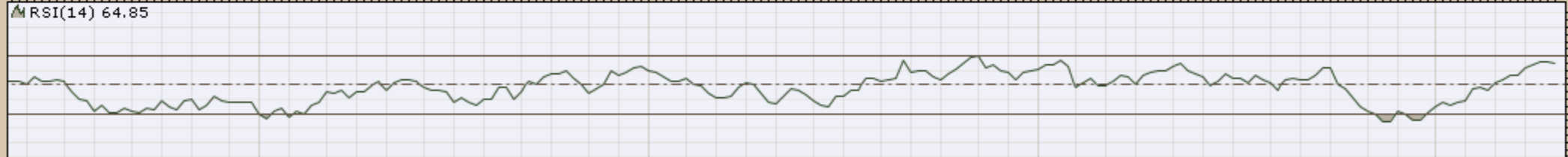


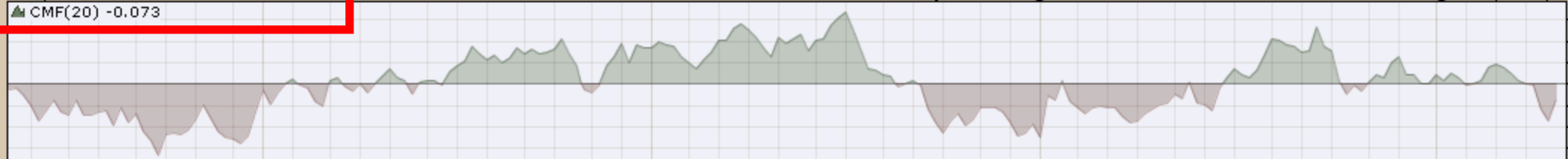
UGA (Weekly) 32.10  
 BB(20,2,0) 21.07 - 27.45 - 33.84  
 PIVOTS 12.53, 18.12, 27.63, 33.22, 42.73

**CHART D26. GASOLINE, WEEKLY CHART**



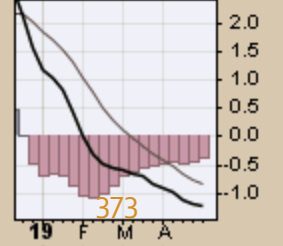
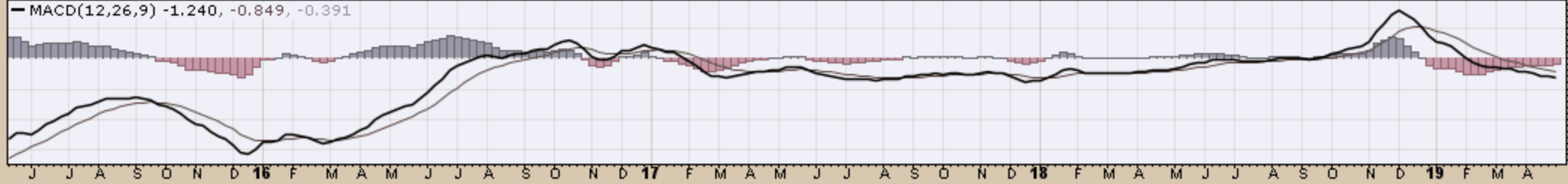
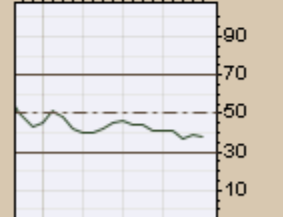
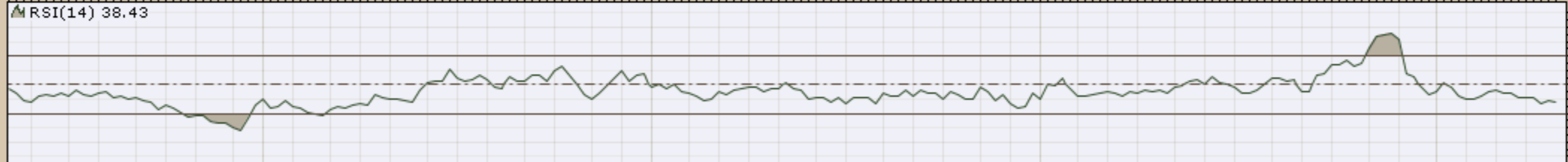
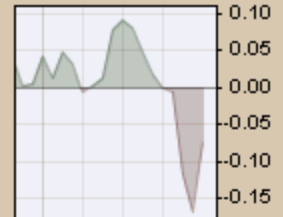
J J A S O N D 16 F M A M J J A S O N D 17 F M A M J J A S O N D 18 F M A M J J A S O N D 19 F M A





UNG (Weekly) 22.19  
 BB(20,2.0) 20.56 - 24.80 - 29.04  
 PIVOTS 10.53, 17.81, 28.84, 36.12, 47.15

**CHART 27. NATURAL GAS, WEEKLY CHART**



USL United States 12 Month Oil Fund, LP NYSE  
3-May-2019

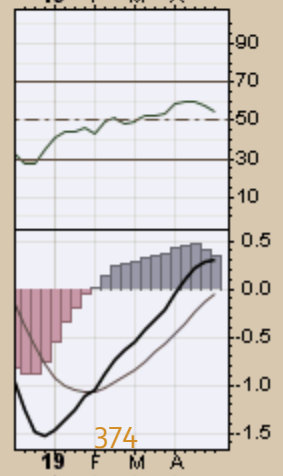
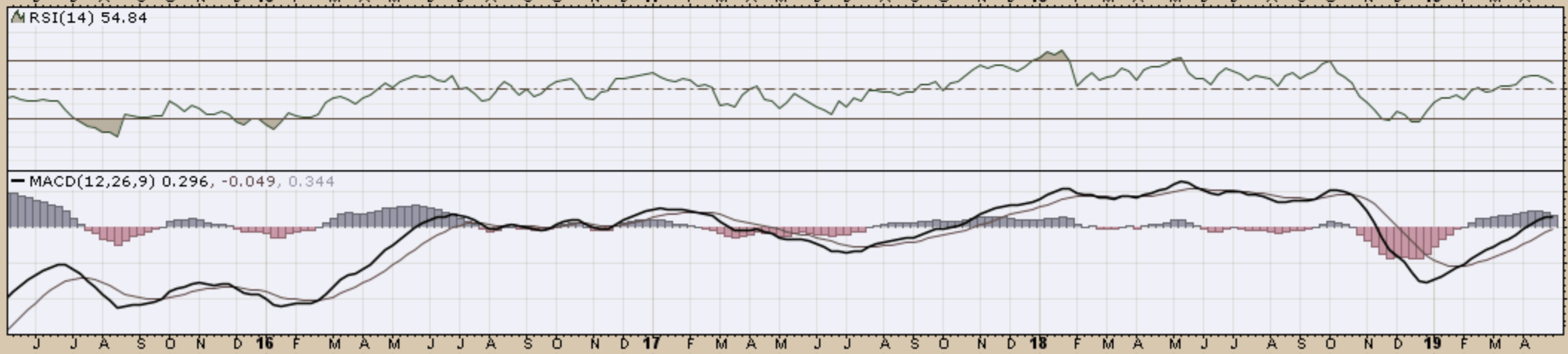
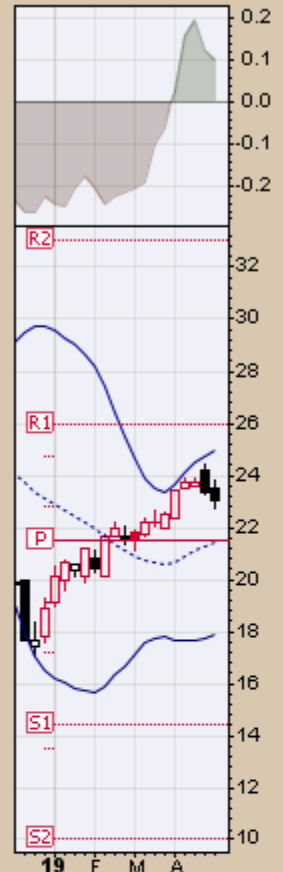
CMF(20) 0.104

Open 23.52 High 23.81 Low 22.73 Close 23.03 Volume 110.9K Chg -0.33 (-1.41%)

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### CHART D28. US 12 MONTH OIL FUND, WEEKLY CHART

USL (Weekly) 23.03  
BB(20,2,0) 17.88 - 21.41 - 24.95  
PIVOTS 10.02, 14.47, 21.51, 25.96, 33.00

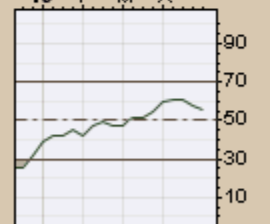
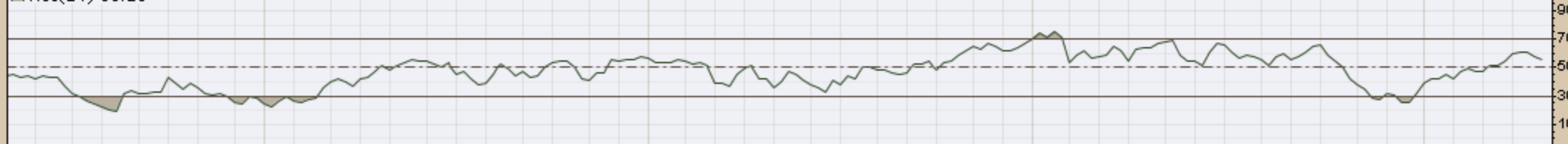


# CHART D29. US OIL FUND, WEEKLY CHART

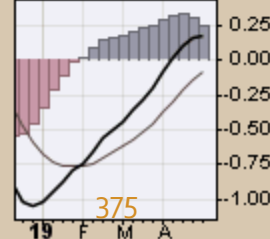
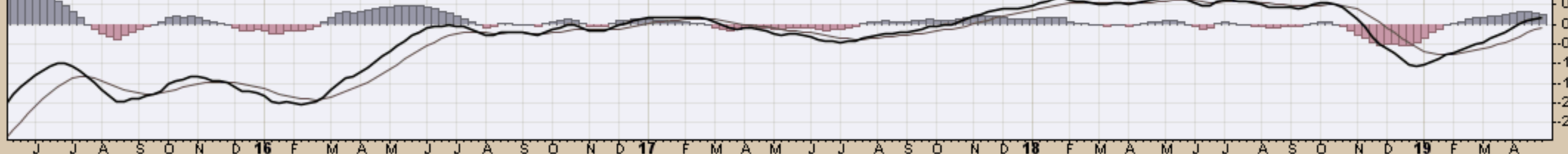
USO (Weekly) 12.87  
BB(20,2,0) 9.54 - 11.76 - 13.98  
PIVOTS 4.87, 7.53, 11.88, 14.54, 18.89



RSI(14) 55.25



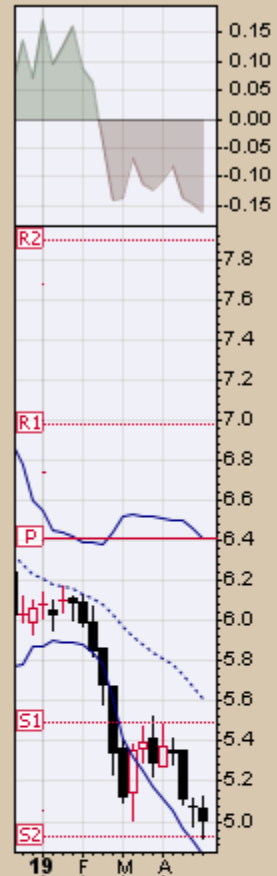
MACD(12,26,9) 0.170, -0.081, 0.251



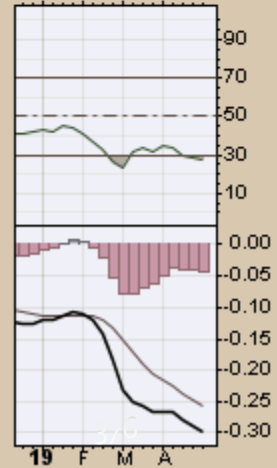
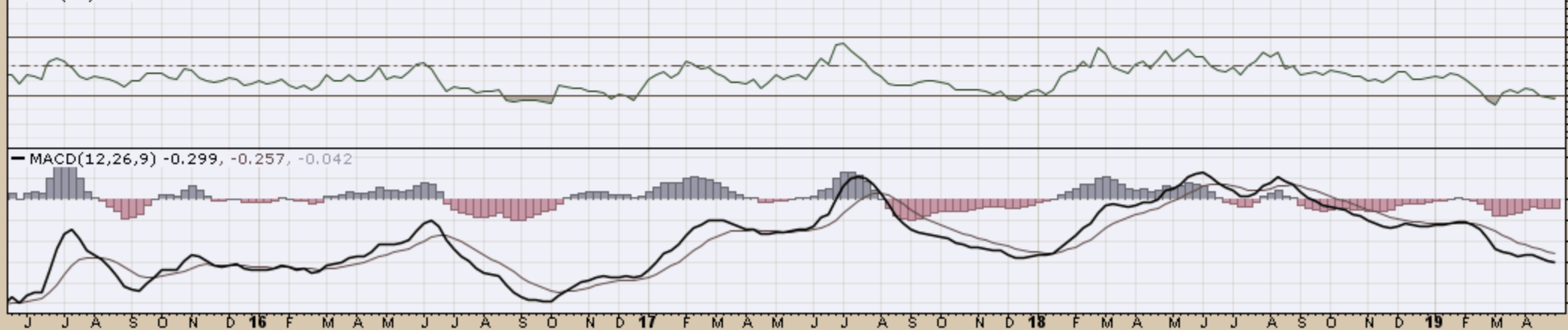


WEAT (Weekly) 5.01  
BB(20,2,0) 4.82 - 5.62 - 6.41  
PIVOTS 4.92, 5.49, 6.41, 6.98, 7.90

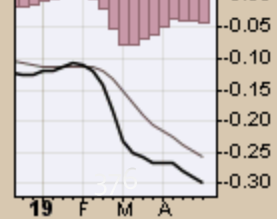
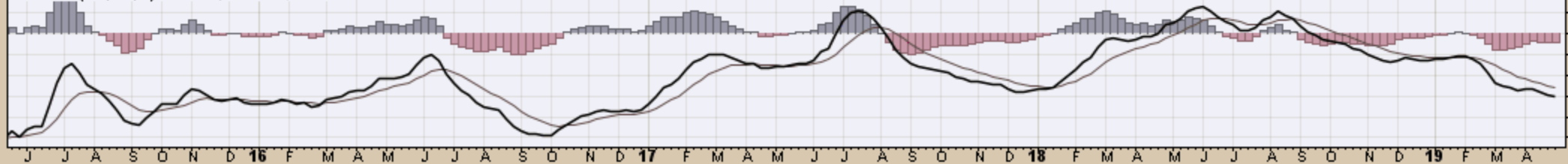
### CHART D30. WHEAT, WEEKLY CHART



▲ RSI(14) 27.82



MACD(12,26,9) -0.299, -0.257, -0.042



*End*