

2017 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service: (312) 930-1000

PRELIMINARY

PG62 BULLETIN #143@

METAL FUTURES PRODUCTS

Thu, Jul 27, 2017 PG62

THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

**PRICE INDICATOR KEY**

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION, N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

## FUTURES PRODUCTS

|  | GLOBEX OPEN | GLOBEX HIGH/LOW   | SETT. PRICE & PT. CHGE | GLOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |      |
|--|-------------|-------------------|------------------------|----------------|----------------|---------------|------|
| <b>AEP FUT ALUMINIUM EURO PREM METAL BULLETIN</b>    |             |                   |                        |                |                |               |      |
| JUL17  | ----        | ----              | 77.55 UNCH             | ----           | ----           | 1420          | UNCH |
| AUG17  | ----        | ----              | 79.00 UNCH             | ----           | ----           | 1420          | UNCH |
| SEP17  | ----        | ----              | 79.00 UNCH             | ----           | ----           | 1400          | UNCH |
| OCT17  | ----        | ----              | 79.00 UNCH             | ----           | ----           | 1410          | UNCH |
| NOV17  | ----        | ----              | 79.00 UNCH             | ----           | ----           | 1410          | UNCH |
| DEC17  | ----        | ----              | 79.00 UNCH             | ----           | ----           | 1430          | UNCH |
| JAN18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 442           | UNCH |
| FEB18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 442           | UNCH |
| MAR18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 442           | UNCH |
| APR18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 427           | UNCH |
| MAY18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 427           | UNCH |
| JUN18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 427           | UNCH |
| JUL18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 407           | UNCH |
| AUG18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 407           | UNCH |
| SEP18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 407           | UNCH |
| OCT18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 407           | UNCH |
| NOV18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 407           | UNCH |
| DEC18  | ----        | ----              | 77.00 UNCH             | ----           | ----           | 407           | UNCH |
| TOTAL AEP FUT  |             |                   |                        | 0              |                | 13539         |      |
| <b>ALA FUT ALUMINA FOB S&amp;P GLOBAL PLATTS FUT</b> |             |                   |                        |                |                |               |      |
| SEP17  | ----        | ----              | 310.00 UNCH            | ----           | ----           | 50            | UNCH |
| OCT17  | ----        | ----              | 310.00 UNCH            | ----           | ----           | 50            | UNCH |
| NOV17  | ----        | ----              | 310.00 UNCH            | ----           | ----           | 50            | UNCH |
| TOTAL ALA FUT  |             |                   |                        | 0              |                | 150           |      |
| <b>ALI FUT COMEX PHYSICAL ALUMINUM FUTURES</b>       |             |                   |                        |                |                |               |      |
| AUG17  | ----        | ----              | 2005.75 + 0.25         | ----           | ----           | 146           | UNCH |
| SEP17  | 2020.25     | 2026.75 /2003.75A | 2010.75 + 0.25         | 40             | ----           | 75            | UNCH |
| OCT17  | 2029.25     | 2035.75 /2020.00  | 2020.75 + 1.25         | 40             | ----           | 91 +          | 40   |
| NOV17  | ----        | ----              | 2025.75 + 1.25         | ----           | ----           | 20            | UNCH |
| JAN18  | ----        | ----              | 2038.75 + 4.25         | ----           | ----           | 21            | UNCH |
| TOTAL ALI FUT  |             |                   |                        | 80             |                | 353 +         | 40   |
| <b>AUP FUT ALUMINUM MW TRANS PREM PLATTS SWAPS</b>   |             |                   |                        |                |                |               |      |
| JUL17  | ----        | ----              | 0.07414 +0.00047       | ----           | ----           | 3273          | UNCH |
| AUG17  | ----        | ----              | 0.07800 UNCH           | ----           | ----           | 3491          | UNCH |
| SEP17  | ----        | ----              | 0.08250 UNCH           | ----           | ----           | 3293          | UNCH |
| OCT17  | ----        | ----              | 0.08750 UNCH           | ----           | ----           | 2804          | UNCH |
| NOV17  | 0.08600     | 0.08600 /0.08600  | 0.08750 UNCH           | 4              | ----           | 2434          | UNCH |
| DEC17  | ----        | ----              | 0.08750 UNCH           | ----           | ----           | 2385          | UNCH |
| JAN18  | ----        | ----              | 0.09500 -0.00100       | ----           | 20             | 972 -         | 8    |
| FEB18  | ----        | ----              | 0.09500 -0.00100       | ----           | 20             | 997 -         | 8    |
| MAR18  | ----        | ----              | 0.09500 -0.00100       | ----           | 20             | 992 -         | 8    |
| APR18  | ----        | ----              | 0.09500 -0.00100       | ----           | 20             | 928           | UNCH |
| MAY18  | ----        | ----              | 0.09500 UNCH           | ----           | 20             | 1099          | UNCH |
| JUN18  | ----        | ----              | 0.09500 UNCH           | ----           | 20             | 965           | UNCH |
| JUL18  | ----        | ----              | 0.09500 UNCH           | ----           | ----           | 804           | UNCH |
| AUG18  | ----        | ----              | 0.09500 UNCH           | ----           | ----           | 802           | UNCH |
| SEP18  | ----        | ----              | 0.09500 UNCH           | ----           | ----           | 784           | UNCH |
| OCT18  | ----        | ----              | 0.09800 UNCH           | ----           | ----           | 764           | UNCH |
| NOV18  | ----        | ----              | 0.09800 UNCH           | ----           | ----           | 655           | UNCH |
| DEC18  | ----        | ----              | 0.09800 UNCH           | ----           | ----           | 655           | UNCH |
| JAN19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 50            | UNCH |
| FEB19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 50            | UNCH |
| MAR19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 17            | UNCH |
| APR19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| MAY19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| JUN19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| JUL19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| AUG19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| SEP19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| OCT19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| NOV19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| DEC19  | ----        | ----              | 0.10000 UNCH           | ----           | ----           | 10            | UNCH |
| JAN20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| FEB20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| MAR20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| APR20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| MAY20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| JUN20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| JUL20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| AUG20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| SEP20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| OCT20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| NOV20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| DEC20  | ----        | ----              | 0.11250 UNCH           | ----           | ----           | 10            | UNCH |
| JAN21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| FEB21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| MAR21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| APR21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| MAY21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| JUN21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| JUL21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| AUG21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| SEP21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| OCT21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| NOV21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| DEC21  | ----        | ----              | 0.11500 UNCH           | ----           | ----           | 10            | UNCH |
| TOTAL AUP FUT  |             |                   |                        | 4              | 120            | 28544 -       | 24   |
| <b>EDP FUT ALUMINIUM EURO PREM DUTY-PAID FUT</b>     |             |                   |                        |                |                |               |      |
| JUL17  | ----        | ----              | 134.64 UNCH            | ----           | ----           | 516           | UNCH |
| AUG17  | ----        | ----              | 138.00 UNCH            | ----           | ----           | 516           | UNCH |
| SEP17  | ----        | ----              | 138.00 UNCH            | ----           | ----           | 516           | UNCH |
| OCT17  | ----        | ----              | 138.00 UNCH            | ----           | ----           | 516           | UNCH |

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|   | GLOBAL OPEN | GLOBAL HIGH/LOW   | SETT. PRICE & PT. CHGE |      | GLOBAL VOLUME | PNT/PIT VOLUME | OPEN INTEREST  |      |  |
|---|-------------|-------------------|------------------------|------|---------------|----------------|----------------|------|--|
| EDP FUT ALUMINIUM EURO PREM DUTY-PAID FUT   |             |                   |                        |      |               |                |                |      |  |
| NOV17                                       | ----        | ----              | 138.00                 | UNCH | ----          | ----           | 516            | UNCH |  |
| DEC17                                       | ----        | ----              | 138.00                 | UNCH | ----          | ----           | 516            | UNCH |  |
| JAN18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 450            | UNCH |  |
| FEB18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 450            | UNCH |  |
| MAR18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 450            | UNCH |  |
| APR18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 435            | UNCH |  |
| MAY18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 435            | UNCH |  |
| JUN18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 435            | UNCH |  |
| JUL18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 360            | UNCH |  |
| AUG18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 360            | UNCH |  |
| SEP18                                       | ----        | ----              | 137.00                 | UNCH | ----          | ----           | 360            | UNCH |  |
| OCT18                                       | ----        | ----              | 145.00                 | UNCH | ----          | ----           | 275            | UNCH |  |
| NOV18                                       | ----        | ----              | 145.00                 | UNCH | ----          | ----           | 225            | UNCH |  |
| DEC18                                       | ----        | ----              | 145.00                 | UNCH | ----          | ----           | 225            | UNCH |  |
| TOTAL EDP FUT                               |             |                   |                        |      | 0             |                | 7556           |      |  |
| GC FUT COMEX GOLD FUTURES                   |             |                   |                        |      |               |                |                |      |  |
| JUL17                                       | ----        | 1261.20B          | 1259.60 + 10.60        |      | ----          | ----           | 1 - 4          |      |  |
| AUG17                                       | 1260.50     | 1265.00 /1253.90  | 1260.00 + 10.60        |      | 216365        | 3944           | 35401 - 39845  |      |  |
| SEP17                                       | 1261.30     | 1266.20 /1255.50  | 1261.50 + 10.70        |      | 2509          | ----           | 1447 + 388     |      |  |
| OCT17                                       | 1263.70     | 1268.10 /1257.10  | 1263.20 + 10.70        |      | 14715         | 363            | 41370 + 3318   |      |  |
| DEC17                                       | 1266.80     | 1271.30 /1260.30  | 1266.50 + 10.90        |      | 154412        | 7030           | 305671 + 20062 |      |  |
| FEB18                                       | 1270.60     | 1274.50B/1264.00  | 1270.00 + 10.90        |      | 1567          | 21             | 18387 + 202    |      |  |
| APR18                                       | 1274.40     | 1278.00 /1271.20  | 1273.40 + 10.90        |      | 185           | 12             | 5069 - 128     |      |  |
| JUN18                                       | 1280.30     | 1280.90 /1273.00  | 1276.90 + 10.90        |      | 109           | ----           | 8145 + 51      |      |  |
| AUG18                                       | 1283.40     | 1283.40 /1276.70  | 1280.30 + 10.90        |      | 19            | ----           | 6115 + 1       |      |  |
| OCT18                                       | ----        | ----              | 1283.80 + 10.90        |      | ----          | ----           | 843            | UNCH |  |
| DEC18                                       | 1288.70     | 1290.90 /1283.70  | 1287.30 + 10.90        |      | 25            | ----           | 7484 - 9       |      |  |
| FEB19                                       | 1293.60     | 1293.60 /1293.60  | 1291.10 + 10.90        |      | 4             | ----           | 6              | UNCH |  |
| JUN19                                       | ----        | ----              | 1298.80 + 10.90        |      | ----          | ----           | 748            | UNCH |  |
| DEC19                                       | 1313.70     | 1313.70 /1313.70  | 1310.20 + 11.30        |      | 1             | 48             | 2458           | UNCH |  |
| JUN20                                       | ----        | ----              | 1321.40 + 11.30        |      | ----          | ----           | 284            | UNCH |  |
| DEC20                                       | ----        | ----              | 1333.70 + 11.30        |      | ----          | ----           | 678            | UNCH |  |
| JUN21                                       | ----        | ----              | 1346.30 + 11.30        |      | ----          | ----           | 15             | UNCH |  |
| DEC21                                       | ----        | ----              | 1359.90 + 11.30        |      | ----          | ----           | 225            | UNCH |  |
| JUN22                                       | ----        | ----              | 1372.90 + 11.30        |      | ----          | ----           | 5              | UNCH |  |
| DEC22                                       | ----        | ----              | 1386.90 + 11.30        |      | ----          | ----           | 5              | UNCH |  |
| TOTAL GC FUT                                |             |                   |                        |      | 389911        | 11418          | 434357 - 15964 |      |  |
| GCK FUT KILO GOLD FUTURES                   |             |                   |                        |      |               |                |                |      |  |
| AUG17                                       | 1263.90     | 1266.50B/1256.10  | 1261.50 + 10.50        |      | 19            | ----           | 0 - 12         |      |  |
| DEC17                                       | 1270.00     | 1272.90B/1262.50A | 1267.90 + 10.60        |      | 27            | ----           | 13 + 12        |      |  |
| TOTAL GCK FUT                               |             |                   |                        |      | 46            |                | 13             |      |  |
| HG FUT COMEX COPPER FUTURES                 |             |                   |                        |      |               |                |                |      |  |
| JUL17                                       | 2.8925      | 2.8930 /2.8700    | 2.8740 + 0.0050        |      | 237           | ----           | 168 - 124      |      |  |
| AUG17                                       | 2.8685      | 2.8905 /2.8625    | 2.8740 + 0.0045        |      | 350           | 77             | 2812 - 62      |      |  |
| SEP17                                       | 2.8730      | 2.8975 /2.8620    | 2.8775 + 0.0055        |      | 79131         | 63             | 148789 + 974   |      |  |
| OCT17                                       | 2.8760      | 2.9010 /2.8745    | 2.8860 + 0.0065        |      | 304           | ----           | 5898 + 221     |      |  |
| NOV17                                       | 2.8880      | 2.9050 /2.8790    | 2.8925 + 0.0060        |      | 467           | ----           | 1448 - 33      |      |  |
| DEC17                                       | 2.8920      | 2.9165 /2.8830A   | 2.8985 + 0.0060        |      | 13251         | 63             | 86089 + 3547   |      |  |
| JAN18                                       | 2.9070      | 2.9070 /2.9055    | 2.9050 + 0.0060        |      | 12            | ----           | 762 - 4        |      |  |
| FEB18                                       | 2.9240      | 2.9290B/2.8965A   | 2.9115 + 0.0060        |      | 1             | ----           | 1673 + 1       |      |  |
| MAR18                                       | 2.9090      | 2.9340B/2.9035A   | 2.9165 + 0.0060        |      | 3114          | ----           | 28947 - 388    |      |  |
| APR18                                       | ----        | ----              | 2.9225 + 0.0065        |      | ----          | ----           | 1693           | UNCH |  |
| MAY18                                       | 2.9320      | 2.9415B/2.9225    | 2.9255 + 0.0065        |      | 873           | ----           | 10294 + 366    |      |  |
| JUN18                                       | ----        | 2.9460B           | 2.9310 + 0.0070        |      | 42            | ----           | 1682 + 39      |      |  |
| JUL18                                       | 2.9455      | 2.9500B/2.9270A   | 2.9345 + 0.0070        |      | 462           | ----           | 3230 + 49      |      |  |
| AUG18                                       | ----        | 2.9535B/2.9315A   | 2.9390 + 0.0070        |      | ----          | ----           | 1500           | UNCH |  |
| SEP18                                       | ----        | 2.9480B/2.9345A   | 2.9420 + 0.0070        |      | 96            | ----           | 2543 + 65      |      |  |
| OCT18                                       | ----        | 2.9500B           | 2.9455 + 0.0070        |      | ----          | ----           | 1473           | UNCH |  |
| NOV18                                       | ----        | ----              | 2.9475 + 0.0070        |      | ----          | ----           | 1472           | UNCH |  |
| DEC18                                       | ----        | 2.9495B           | 2.9485 + 0.0070        |      | 101           | ----           | 5018 + 98      |      |  |
| JAN19                                       | ----        | ----              | 2.9505 + 0.0070        |      | ----          | ----           | 135            | UNCH |  |
| MAR19                                       | ----        | ----              | 2.9525 + 0.0070        |      | ----          | ----           | 99             | UNCH |  |
| DEC19                                       | ----        | ----              | 2.9555 + 0.0070        |      | ----          | ----           | 5              | UNCH |  |
| DEC20                                       | ----        | ----              | 2.9585 + 0.0070        |      | ----          | ----           | 1              | UNCH |  |
| MAR21                                       | ----        | ----              | 2.9590 + 0.0070        |      | ----          | ----           | 1              | UNCH |  |
| TOTAL HG FUT                                |             |                   |                        |      | 98441         | 203            | 305732 + 4749  |      |  |
| HGS FUT COMEX COPPER SWAP FUTURES           |             |                   |                        |      |               |                |                |      |  |
| JUL17                                       | ----        | ----              | 2.7283 + 0.0007        |      | ----          | ----           | 217            | UNCH |  |
| AUG17                                       | ----        | ----              | 2.8743 + 0.0046        |      | ----          | ----           | 88             | UNCH |  |
| SEP17                                       | ----        | ----              | 2.8784 + 0.0056        |      | ----          | ----           | 88             | UNCH |  |
| OCT17                                       | ----        | ----              | 2.8866 + 0.0065        |      | ----          | ----           | 88             | UNCH |  |
| NOV17                                       | ----        | ----              | 2.8931 + 0.0060        |      | ----          | ----           | 88             | UNCH |  |
| DEC17                                       | ----        | ----              | 2.8992 + 0.0060        |      | ----          | ----           | 88             | UNCH |  |
| JAN18                                       | ----        | ----              | 2.9056 + 0.0060        |      | ----          | ----           | 88             | UNCH |  |
| JUL18                                       | ----        | ----              | 2.9349 + 0.0070        |      | ----          | ----           | 22             | UNCH |  |
| TOTAL HGS FUT                               |             |                   |                        |      | 0             |                | 767            |      |  |
| MGC FUT 10 TROY OZ GOLD FUTURES             |             |                   |                        |      |               |                |                |      |  |
| AUG17                                       | 1260.30     | 1264.90 /1253.90  | 1260.00 + 10.60        |      | 2207          | ----           | 796 - 130      |      |  |
| OCT17                                       | 1263.00     | 1267.60 /1257.10  | 1263.20 + 10.70        |      | 509           | ----           | 447 - 4        |      |  |
| DEC17                                       | 1266.20     | 1271.20 /1260.60  | 1266.50 + 10.90        |      | 1478          | ----           | 3056 + 72      |      |  |
| FEB18                                       | 1268.10     | 1271.20B/1266.20  | 1270.00 + 10.90        |      | 2             | ----           | 30 + 1         |      |  |
| APR18                                       | 1275.10     | 1275.10 /1275.10  | 1273.40 + 10.90        |      | 1             | ----           | 10             | UNCH |  |
| JUN18                                       | ----        | 1269.60B          | 1276.90 + 10.90        |      | ----          | ----           | 28             | UNCH |  |
| AUG18                                       | ----        | ----              | 1280.30 + 10.90        |      | ----          | ----           | 9              | UNCH |  |
| DEC18                                       | 1288.50     | 1291.20B/1281.90A | 1287.30 + 10.90        |      | 136           | ----           | 379 + 3        |      |  |
| TOTAL MGC FUT                               |             |                   |                        |      | 4333          |                | 4755 - 58      |      |  |
| MJP FUT ALUMINUM JAPAN PREMIUM (PLATTS) FUT |             |                   |                        |      |               |                |                |      |  |
| JUL17                                       | ----        | ----              | 90.63 + 0.90           |      | ----          | ----           | 824            | UNCH |  |
| AUG17                                       | ----        | ----              | 94.50                  | UNCH | ----          | ----           | 1021           | UNCH |  |
| SEP17                                       | ----        | ----              | 94.50                  | UNCH | ----          | ----           | 1051           | UNCH |  |
| OCT17                                       | ----        | ----              | 94.50                  | UNCH | ----          | ----           | 1018           | UNCH |  |
| NOV17                                       | ----        | ----              | 94.50                  | UNCH | ----          | ----           | 995            | UNCH |  |
| DEC17                                       | ----        | ----              | 94.50                  | UNCH | ----          | ----           | 1025           | UNCH |  |
| JAN18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 77             | UNCH |  |
| FEB18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 77             | UNCH |  |
| MAR18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 77             | UNCH |  |
| APR18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 65             | UNCH |  |
| MAY18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 65             | UNCH |  |
| JUN18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 65             | UNCH |  |
| JUL18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 60             | UNCH |  |
| AUG18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 60             | UNCH |  |
| SEP18                                       | ----        | ----              | 98.00                  | UNCH | ----          | ----           | 60             | UNCH |  |



|               | LOBEX OPEN                          | LOBEX HIGH/LOW    | SETT. PRICE & PT. CHGE | LOBEX® VOLUME | PNT/PIT VOLUME | OPEN INTEREST |      |
|---------------|-------------------------------------|-------------------|------------------------|---------------|----------------|---------------|------|
| MJP FUT       | ALUMINUM JAPAN PREMIUM (PLATTS) FUT |                   |                        |               |                |               |      |
| OCT18         | ----                                | ----              | 98.00 UNCH             | ----          | ----           | 60            | UNCH |
| NOV18         | ----                                | ----              | 98.00 UNCH             | ----          | ----           | 60            | UNCH |
| DEC18         | ----                                | ----              | 98.00 UNCH             | ----          | ----           | 60            | UNCH |
| TOTAL MJP FUT |                                     |                   |                        | 0             |                | 6720          |      |
| QC FUT        | COMEX E-MINI COPPER FUTURES         |                   |                        |               |                |               |      |
| AUG17         | 2.9100                              | 2.9100 /2.9100    | 2.8740 + 0.0040        | 1             | ----           | 1             | UNCH |
| SEP17         | 2.8820                              | 2.8940 /2.8700    | 2.8780 + 0.0060        | 15            | ----           | 234           | UNCH |
| OCT17         | ----                                | ----              | 2.8860 + 0.0060        | ----          | ----           | 3             | UNCH |
| DEC17         | 2.8880                              | 2.8880 /2.8880    | 2.8980 + 0.0060        | 4             | ----           | 14 +          | 3    |
| TOTAL QC FUT  |                                     |                   |                        | 20            |                | 252 +         | 3    |
| QI FUT        | E-MINI SILVER FUTURES               |                   |                        |               |                |               |      |
| SEP17         | 16.6250                             | 16.7875 /16.5625  | 16.5730 + 0.1140       | 42            | ----           | 84            | UNCH |
| DEC17         | 16.7000                             | 16.8750B/16.6500  | 16.6700 + 0.1140       | 3             | ----           | 31 +          | 2    |
| JAN18         | ----                                | ----              | 16.7020 + 0.1140       | ----          | ----           | 9             | UNCH |
| MAY18         | ----                                | ----              | 16.8330 + 0.1140       | ----          | ----           | 2             | UNCH |
| JUL18         | ----                                | ----              | 16.9000 + 0.1140       | ----          | ----           | 1             | UNCH |
| DEC18         | ----                                | ----              | 17.0720 + 0.1140       | ----          | ----           | 1             | UNCH |
| TOTAL QI FUT  |                                     |                   |                        | 45            |                | 128 +         | 2    |
| OO FUT        | E-MINI GOLD FUTURES                 |                   |                        |               |                |               |      |
| AUG17         | 1260.00                             | 1264.50B/1254.50A | 1260.00 + 10.60        | 195           | ----           | 252 +         | 6    |
| OCT17         | 1264.25                             | 1267.75 /1258.00  | 1263.20 + 10.70        | 95            | ----           | 251 +         | 7    |
| DEC17         | 1267.50                             | 1271.00B/1261.00A | 1266.50 + 10.90        | 68            | ----           | 112 +         | 18   |
| FEB18         | 1272.25                             | 1272.25 /1272.25  | 1270.00 + 10.90        | 1             | ----           | 13 +          | 1    |
| JUN18         | ----                                | ----              | 1276.90 + 10.90        | ----          | ----           | 6             | UNCH |
| TOTAL QO FUT  |                                     |                   |                        | 359           |                | 634 +         | 32   |
| SI FUT        | COMEX SILVER FUTURES                |                   |                        |               |                |               |      |
| JUL17         | 16.625                              | 16.650 /16.600A   | 16.529 + 0.114         | 5             | ----           | 5 -           | 107  |
| AUG17         | 16.610                              | 16.760 /16.520    | 16.542 + 0.114         | 159           | ----           | 397 -         | 55   |
| SEP17         | 16.640                              | 16.810 /16.540    | 16.573 + 0.114         | 67431         | 1903           | 143692 -      | 2405 |
| DEC17         | 16.725                              | 16.905 /16.645    | 16.670 + 0.114         | 5878          | 100            | 53935 +       | 1321 |
| JAN18         | 16.830                              | 16.830 /16.720    | 16.702 + 0.114         | 3             | ----           | 50 +          | 1    |
| MAR18         | 16.925                              | 16.985B/16.760A   | 16.768 + 0.114         | 541           | ----           | 3478 +        | 326  |
| MAY18         | 17.070                              | 17.070 /16.830A   | 16.833 + 0.114         | 24            | ----           | 1798 +        | 18   |
| JUL18         | ----                                | 16.970B           | 16.900 + 0.114         | 18            | ----           | 1395 -        | 1    |
| SEP18         | ----                                | 16.960B           | 16.968 + 0.114         | ----          | ----           | 91            | UNCH |
| DEC18         | ----                                | 17.065B           | 17.072 + 0.114         | ----          | ----           | 1459          | UNCH |
| JAN19         | ----                                | ----              | 17.119 + 0.115         | ----          | ----           | 49            | UNCH |
| JUL19         | ----                                | ----              | 17.232 + 0.121         | ----          | ----           | 109           | UNCH |
| DEC19         | ----                                | ----              | 17.427 + 0.129         | ----          | ----           | 138           | UNCH |
| JUL20         | ----                                | ----              | 17.658 + 0.138         | ----          | ----           | 1             | UNCH |
| DEC20         | ----                                | ----              | 17.870 + 0.146         | 76            | 100            | 300 +         | 100  |
| TOTAL SI FUT  |                                     |                   |                        | 74135         | 2103           | 206897 -      | 802  |
| SIL FUT       | 1000 OZ SILVER FUTURES              |                   |                        |               |                |               |      |
| JUL17         | ----                                | ----              | 16.529 + 0.114         | ----          | ----           | 0 -           | 235  |
| AUG17         | ----                                | ----              | 16.542 + 0.114         | ----          | ----           | 5 -           | 10   |
| SEP17         | 16.620                              | 16.810 /16.550    | 16.573 + 0.114         | 236           | ----           | 997 -         | 37   |
| DEC17         | 16.810                              | 16.900 /16.650    | 16.670 + 0.114         | 25            | ----           | 123 +         | 3    |
| JAN18         | 16.880                              | 16.880 /16.880    | 16.702 + 0.114         | 1             | ----           | 13            | UNCH |
| MAR18         | ----                                | ----              | 16.768 + 0.114         | ----          | ----           | 9             | UNCH |
| MAY18         | ----                                | ----              | 16.833 + 0.114         | ----          | ----           | 1             | UNCH |
| TOTAL SIL FUT |                                     |                   |                        | 262           |                | 1148 -        | 279  |
| ZNC FUT       | ZINC FUTURES                        |                   |                        |               |                |               |      |
| AUG17         | ----                                | 2813.0B/2790.5A   | 2790.5 - 16.5          | ----          | ----           | 20            | UNCH |
| SEP17         | ----                                | 2818.0B/2795.5A   | 2795.5 - 16.5          | ----          | ----           | 5             | UNCH |
| TOTAL ZNC FUT |                                     |                   |                        | 0             |                | 25            |      |



NYMEX METAL FUTURES PRODUCTS

|  | GLOBAL OPEN | GLOBAL HIGH/LOW | SETT. PRICE & PT. CHGE | GLOBAL VOLUME | PNT/PIT VOLUME | OPEN INTEREST |      |
|--|-------------|-----------------|------------------------|---------------|----------------|---------------|------|
| <b>BUS FUT U.S. MIDWEST BUSHELING SCRAP</b>        |             |                 |                        |               |                |               |      |
| AUG17  | ----        | ----            | 354.00 UNCH            | ----          | ----           | 35            | UNCH |
| SEP17  | ----        | ----            | 352.00 UNCH            | ----          | ----           | 35            | UNCH |
| OCT17  | ----        | ----            | 350.00 UNCH            | ----          | ----           | 60            | UNCH |
| NOV17  | ----        | ----            | 348.00 UNCH            | ----          | ----           | 60            | UNCH |
| DEC17  | ----        | ----            | 346.00 UNCH            | ----          | ----           | 60            | UNCH |
| TOTAL BUS FUT                                      |             |                 |                        |               |                | 250           |      |
| <b>HRC FUT HOT ROLLED COIL STEEL (CRU) FUTURES</b> |             |                 |                        |               |                |               |      |
| JUL17  | ----        | ----            | 611.00 UNCH            | ----          | ----           | 1630          | UNCH |
| AUG17  | ----        | 626.00A         | 625.00 - 3.00          | ----          | 113            | 2004 +        | 63   |
| SEP17  | 625.00      | 625.00 /625.00  | 626.00 UNCH            | 1             | 138            | 1645 -        | 38   |
| OCT17  | 624.00      | 625.00 /624.00  | 623.00 - 3.00          | 6             | 41             | 2229          | UNCH |
| NOV17  | 624.00      | 624.00 /624.00  | 623.00 + 1.00          | 1             | 15             | 1996          | UNCH |
| DEC17  | 624.00      | 624.00 /624.00  | 623.00 + 1.00          | 1             | 41             | 1826 +        | 13   |
| JAN18  | ----        | 625.00A         | 622.00 - 4.00          | ----          | 15             | 553 -         | 15   |
| FEB18  | ----        | 625.00A         | 622.00 - 4.00          | ----          | 15             | 554 -         | 15   |
| MAR18  | ----        | 625.00A         | 622.00 - 4.00          | ----          | 15             | 503 -         | 10   |
| APR18  | ----        | 625.00A         | 620.00 - 8.00          | ----          | 10             | 348 +         | 10   |
| MAY18  | ----        | 625.00A         | 620.00 - 8.00          | ----          | 10             | 347 +         | 10   |
| JUN18  | ----        | ----            | 620.00 - 8.00          | ----          | 10             | 327 +         | 10   |
| JUL18  | ----        | ----            | 626.00 - 4.00          | ----          | ----           | 33            | UNCH |
| AUG18  | ----        | ----            | 626.00 - 4.00          | ----          | ----           | 33            | UNCH |
| SEP18  | ----        | ----            | 626.00 - 4.00          | ----          | ----           | 33            | UNCH |
| OCT18  | ----        | ----            | 628.00 - 2.00          | ----          | ----           | 33            | UNCH |
| NOV18  | ----        | ----            | 628.00 - 2.00          | ----          | ----           | 25            | UNCH |
| DEC18  | ----        | ----            | 628.00 - 2.00          | ----          | ----           | 25            | UNCH |
| TOTAL HRC FUT                                      |             |                 |                        | 9             | 423            | 14144 +       | 28   |
| <b>PA FUT NYMEX PALLADIUM FUTURES</b>              |             |                 |                        |               |                |               |      |
| JUL17  | ----        | ----            | 881.90 + 14.00         | ----          | ----           | 0 -           | 1    |
| AUG17  | ----        | ----            | 882.00 + 14.00         | ----          | ----           | 4             | UNCH |
| SEP17  | 867.25      | 885.00 /865.75  | 876.90 + 14.00         | 5262          | 565            | 30144 +       | 312  |
| DEC17  | 861.45      | 876.95B/860.60  | 870.75 + 13.10         | 352           | ----           | 3739 -        | 37   |
| MAR18  | 859.10      | 859.10 /859.10  | 865.50 + 12.60         | 51            | ----           | 185 +         | 51   |
| JUN18  | ----        | ----            | 861.55 + 12.60         | ----          | ----           | 16            | UNCH |
| TOTAL PA FUT                                       |             |                 |                        | 5665          | 565            | 34088 +       | 325  |
| <b>PIO FUT IRON ORE 62 CHINA (PLATTS) FUTURES</b>  |             |                 |                        |               |                |               |      |
| JUL17  | ----        | ----            | 66.64 + 0.20           | ----          | ----           | 2074          | UNCH |
| AUG17  | ----        | ----            | 68.57 + 0.59           | ----          | ----           | 1694          | UNCH |
| SEP17  | ----        | ----            | 67.70 + 0.63           | ----          | ----           | 324           | UNCH |
| OCT17  | ----        | ----            | 66.79 + 0.54           | ----          | ----           | 130           | UNCH |
| NOV17  | ----        | ----            | 66.25 + 0.72           | ----          | ----           | 130           | UNCH |
| DEC17  | ----        | ----            | 65.70 + 0.90           | ----          | ----           | 130           | UNCH |
| JAN18  | ----        | ----            | 64.85 + 0.96           | ----          | ----           | 104           | UNCH |
| FEB18  | ----        | ----            | 64.30 + 0.91           | ----          | ----           | 104           | UNCH |
| MAR18  | ----        | ----            | 63.80 + 0.98           | ----          | ----           | 104           | UNCH |
| APR18  | ----        | ----            | 63.15 + 0.98           | ----          | ----           | 54            | UNCH |
| MAY18  | ----        | ----            | 62.50 + 0.76           | ----          | ----           | 54            | UNCH |
| JUN18  | ----        | ----            | 61.85 + 0.51           | ----          | ----           | 54            | UNCH |
| JUL18  | ----        | ----            | 61.40 + 0.65           | ----          | ----           | 42            | UNCH |
| AUG18  | ----        | ----            | 61.00 + 0.97           | ----          | ----           | 42            | UNCH |
| SEP18  | ----        | ----            | 60.60 + 1.15           | ----          | ----           | 42            | UNCH |
| OCT18  | ----        | ----            | 60.20 + 1.01           | ----          | ----           | 30            | UNCH |
| NOV18  | ----        | ----            | 59.85 + 0.88           | ----          | ----           | 30            | UNCH |
| DEC18  | ----        | ----            | 59.50 + 0.81           | ----          | ----           | 30            | UNCH |
| TOTAL PIO FUT                                      |             |                 |                        |               |                | 5172          |      |
| <b>PL FUT NYMEX PLATINUM FUTURES</b>               |             |                 |                        |               |                |               |      |
| JUL17  | ----        | ----            | 923.20 + 3.70          | 4             | ----           | 4 +           | 1    |
| AUG17  | 928.30      | 929.90 /928.00  | 923.00 + 3.30          | 19            | ----           | 18 -          | 12   |
| SEP17  | 933.90      | 935.10 /927.20  | 924.80 + 3.40          | 14            | ----           | 52 +          | 6    |
| OCT17  | 933.10      | 939.50 /924.50  | 926.40 + 3.70          | 18966         | 409            | 64853 +       | 93   |
| JAN18  | 936.70      | 942.50 /928.00  | 929.50 + 3.40          | 380           | ----           | 6883 -        | 90   |
| APR18  | 939.20      | 939.20 /939.20  | 933.10 + 3.70          | 2             | ----           | 61 +          | 2    |
| JUL18  | ----        | ----            | 939.50 + 3.70          | ----          | ----           | 287           | UNCH |
| TOTAL PL FUT                                       |             |                 |                        | 19385         | 409            | 72158         |      |
| <b>TIO FUT IRON ORE 62 CHINA (TSI) FUTURES</b>     |             |                 |                        |               |                |               |      |
| JUL17  | ----        | 65.89B          | 65.74 + 0.20           | ----          | ----           | 3470          | UNCH |
| AUG17  | ----        | 68.46B/67.39A   | 68.27 + 0.59           | ----          | ----           | 1699          | UNCH |
| SEP17  | ----        | 67.67B/66.73A   | 67.40 + 0.63           | ----          | ----           | 990           | UNCH |
| OCT17  | ----        | 66.86B          | 66.49 + 0.54           | ----          | ----           | 1121          | UNCH |
| NOV17  | ----        | 65.83B          | 65.95 + 0.72           | ----          | ----           | 1027          | UNCH |
| DEC17  | ----        | 65.10B          | 65.40 + 0.90           | ----          | ----           | 1238          | UNCH |
| JAN18  | ----        | 64.54B          | 64.85 + 0.96           | ----          | ----           | 222           | UNCH |
| FEB18  | ----        | ----            | 64.30 + 0.91           | ----          | ----           | 222           | UNCH |
| MAR18  | ----        | ----            | 63.80 + 0.98           | ----          | ----           | 222           | UNCH |
| APR18  | ----        | ----            | 63.15 + 0.98           | ----          | ----           | 231           | UNCH |
| MAY18  | ----        | ----            | 62.50 + 0.76           | ----          | ----           | 231           | UNCH |
| JUN18  | ----        | ----            | 61.85 + 0.51           | ----          | ----           | 231           | UNCH |
| JUL18  | ----        | ----            | 61.40 + 0.65           | ----          | ----           | 267           | UNCH |
| AUG18  | ----        | ----            | 61.00 + 0.97           | ----          | ----           | 267           | UNCH |
| SEP18  | ----        | ----            | 60.60 + 1.15           | ----          | ----           | 267           | UNCH |
| OCT18  | ----        | ----            | 60.20 + 1.01           | ----          | ----           | 206           | UNCH |
| NOV18  | ----        | ----            | 59.85 + 0.88           | ----          | ----           | 206           | UNCH |
| DEC18  | ----        | ----            | 59.50 + 0.81           | ----          | ----           | 206           | UNCH |
| JAN19  | ----        | ----            | 59.26 + 1.14           | ----          | ----           | 99            | UNCH |
| FEB19  | ----        | ----            | 59.06 + 1.14           | ----          | ----           | 99            | UNCH |
| MAR19  | ----        | ----            | 58.86 + 1.14           | ----          | ----           | 99            | UNCH |
| APR19  | ----        | ----            | 58.50 + 1.08           | ----          | ----           | 79            | UNCH |
| MAY19  | ----        | ----            | 58.25 + 1.08           | ----          | ----           | 79            | UNCH |
| JUN19  | ----        | ----            | 58.00 + 1.09           | ----          | ----           | 79            | UNCH |
| JUL19  | ----        | ----            | 57.69 + 1.05           | ----          | ----           | 94            | UNCH |
| AUG19  | ----        | ----            | 57.54 + 1.05           | ----          | ----           | 94            | UNCH |
| SEP19  | ----        | ----            | 57.29 + 1.05           | ----          | ----           | 94            | UNCH |
| OCT19  | ----        | ----            | 56.98 + 1.02           | ----          | ----           | 79            | UNCH |
| NOV19  | ----        | ----            | 56.78 + 1.02           | ----          | ----           | 79            | UNCH |
| DEC19  | ----        | ----            | 56.58 + 1.02           | ----          | ----           | 79            | UNCH |
| JAN20  | ----        | ----            | 54.82 + 0.79           | ----          | ----           | 350           | UNCH |
| FEB20  | ----        | ----            | 54.72 + 0.79           | ----          | ----           | 350           | UNCH |
| MAR20  | ----        | ----            | 54.67 + 0.79           | ----          | ----           | 350           | UNCH |
| APR20  | ----        | ----            | 54.62 + 0.79           | ----          | ----           | 350           | UNCH |
| MAY20  | ----        | ----            | 54.42 + 0.79           | ----          | ----           | 350           | UNCH |
| JUN20  | ----        | ----            | 54.32 + 0.79           | ----          | ----           | 350           | UNCH |
| JUL20  | ----        | ----            | 54.23 + 0.81           | ----          | ----           | 350           | UNCH |



| PG62 BULLETIN #143@ |      | METAL FUTURES PRODUCTS |       |   |      |      |      | Thu, Jul 27, 2017 | PG62 |
|---------------------|------|------------------------|-------|---|------|------|------|-------------------|------|
| AUG20               | ---- | ----                   | 54.13 | + | 0.81 | ---- | ---- | 350               | UNCH |
| SEP20               | ---- | ----                   | 54.03 | + | 0.81 | ---- | ---- | 350               | UNCH |
| OCT20               | ---- | ----                   | 53.88 | + | 0.81 | ---- | ---- | 350               | UNCH |
| NOV20               | ---- | ----                   | 53.58 | + | 0.81 | ---- | ---- | 350               | UNCH |
| DEC20               | ---- | ----                   | 53.58 | + | 0.81 | ---- | ---- | 350               | UNCH |
| TOTAL               | TIO  | FUT                    |       |   |      |      |      | 17576             |      |
| UX FUT              |      | NYMEX URANIUM          |       |   |      |      |      |                   |      |
| OCT17               | ---- | ----                   | 20.55 |   | UNCH | ---- | ---- | 400               | UNCH |
| NOV17               | ---- | ----                   | 20.55 |   | UNCH | ---- | ---- | 600               | UNCH |
| DEC17               | ---- | ----                   | 20.55 |   | UNCH | ---- | ---- | 773               | UNCH |
| JAN18               | ---- | ----                   | 20.60 |   | UNCH | ---- | ---- | 1200              | UNCH |
| MAR18               | ---- | ----                   | 20.75 |   | UNCH | ---- | ---- | 100               | UNCH |
| JUN18               | ---- | ----                   | 21.00 |   | UNCH | ---- | ---- | 200               | UNCH |
| NOV18               | ---- | ----                   | 21.55 |   | UNCH | ---- | ---- | 640               | UNCH |
| JUN19               | ---- | ----                   | 21.95 |   | UNCH | ---- | ---- | 15                | UNCH |
| FEB20               | ---- | ----                   | 23.15 |   | UNCH | ---- | ---- | 400               | UNCH |
| MAR20               | ---- | ----                   | 23.15 |   | UNCH | ---- | ---- | 200               | UNCH |
| TOTAL               | UX   | FUT                    |       |   |      |      |      | 4528              |      |

METALS CONTRACTS LAST TRADE DATES

| EXPIRATION: | JUL17 | AUG17 | SEP17 | OCT17 | NOV17 | DEC17 | JAN18 | FEB18 | MAR18 | APR18 | MAY18 | JUN18 | JUL18 | AUG18 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AEP FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/29 | 07/31 |       |
| ALA FUT     |       |       | 09/29 | 10/31 | 11/30 |       |       |       |       |       |       |       |       |       |
| ALI FUT     |       | 08/29 | 09/27 | 10/27 | 11/28 |       | 01/29 |       |       |       |       |       |       |       |
| AUP FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/29 | 07/31 |       |
| BUS FUT     |       | 08/10 | 09/11 | 10/10 | 11/10 | 12/11 |       |       |       |       |       |       |       |       |
| EDP FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/29 | 07/31 |       |
| GC FUT      | 07/27 | 08/29 | 09/27 | 10/27 |       | 12/27 |       | 02/26 |       | 04/26 |       | 05/31 | 06/27 |       |
| GCK FUT     |       | 08/11 |       |       |       | 12/15 |       |       |       |       |       |       |       |       |
| HG FUT      | 07/27 | 08/29 | 09/27 | 10/27 | 11/28 | 12/27 | 01/29 | 02/26 | 03/27 | 04/26 | 05/29 | 06/27 | 07/27 |       |
| HGS FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 |       |       |       |       |       | 07/31 |       |
| HRC FUT     | 07/25 | 08/29 | 09/26 | 10/24 | 11/28 | 12/26 | 01/30 | 02/27 | 03/27 | 04/24 | 05/29 | 06/26 | 07/24 | 08/28 |
| MGC FUT     |       | 08/29 |       | 10/27 |       | 12/27 |       | 02/26 |       | 04/26 |       | 06/27 |       |       |
| MJP FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 | 02/28 | 03/29 | 04/27 | 05/31 | 06/29 | 07/31 |       |
| PA FUT      | 07/27 | 08/29 | 09/27 |       |       | 12/27 |       |       | 03/27 |       |       | 06/27 |       |       |
| PIO FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/29 | 07/31 | 08/31 |
| PL FUT      | 07/27 | 08/29 | 09/27 | 10/27 |       |       | 01/29 |       |       | 04/26 |       |       | 07/27 |       |
| QC FUT      |       | 07/27 | 08/29 | 09/27 |       | 11/28 |       |       |       |       |       |       |       |       |
| QI FUT      |       |       | 08/29 |       |       | 11/28 | 12/27 |       |       |       | 04/26 |       | 06/27 |       |
| QO FUT      |       | 07/27 |       | 09/27 |       | 11/28 |       | 01/29 |       |       |       | 05/29 |       |       |
| SI FUT      | 07/27 | 08/29 | 09/27 |       |       | 12/27 | 01/29 |       | 03/27 |       | 05/29 |       | 07/27 |       |
| SIL FUT     | 07/27 | 08/29 | 09/27 |       |       | 12/27 | 01/29 |       | 03/27 |       | 05/29 |       |       |       |
| TIO FUT     | 07/31 | 08/31 | 09/29 | 10/31 | 11/30 | 12/29 | 01/31 | 02/28 | 03/29 | 04/30 | 05/31 | 06/29 | 07/31 | 08/31 |
| UX FUT      |       |       |       | 10/30 | 11/27 | 12/22 | 01/29 |       | 03/26 |       |       | 06/25 |       |       |
| ZNC FUT     |       | 08/29 | 09/27 |       |       |       |       |       |       |       |       |       |       |       |



EX-PIT & OTHER BREAKDOWN

|                                     | DELIVERY-----<br>CASH OR PHY<br>SETTLED | MONTH-<br>TO-DATE | EFP<br>DAILY<br>TOTALS | EFS<br>DAILY<br>TOTALS | SUBS<br>DAILY<br>TOTALS | EFM<br>DAILY<br>TOTALS | EFR<br>DAILY<br>TOTALS | EFB<br>DAILY<br>TOTALS | BLOCKS<br>DAILY<br>TOTAL | BLOCK TAS<br>DAILY<br>TOTAL | TAS<br>DAILY<br>TOTAL |
|-------------------------------------|---|-------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|--------------------------|-----------------------------|-----------------------|
| COMEX GOLD FUTURES                  |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JUL17                               | 4                                       | 145               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| AUG17                               | ---                                     | ---               | 3894                   | ---                    | ---                     | ---                    | ---                    | ---                    | 50                       | ---                         | 1038                  |
| OCT17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 363                      | ---                         | ---                   |
| DEC17                               | ---                                     | ---               | 6713                   | ---                    | ---                     | ---                    | ---                    | ---                    | 317                      | ---                         | ---                   |
| FEB18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 21                       | ---                         | ---                   |
| APR18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 12                       | ---                         | ---                   |
| DEC19                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 48                       | ---                         | ---                   |
|                                     | 4                                       | 145               | 10607                  | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | 1038                  |
| COMEX SILVER FUTURES                |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JUL17                               | 112                                     | 2404              | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| SEP17                               | ---                                     | ---               | 1813                   | ---                    | ---                     | ---                    | ---                    | ---                    | 90                       | ---                         | 645                   |
| DEC17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 100                      | ---                         | ---                   |
| DEC20                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 100                      | ---                         | ---                   |
|                                     | 112                                     | 2404              | 1813                   | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | 645                   |
| NYMEX PALLADIUM FUTURES             |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JUL17                               | 1                                       | 12                | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| SEP17                               | ---                                     | ---               | 565                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
|                                     | 1                                       | 12                | 565                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| NYMEX PLATINUM FUTURES              |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JUL17                               | 2                                       | 688               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| OCT17                               | ---                                     | ---               | 409                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
|                                     | 2                                       | 688               | 409                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| COMEX COPPER FUTURES                |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JUL17                               | 105                                     | 2032              | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | 125                   |
| AUG17                               | ---                                     | ---               | 22                     | ---                    | ---                     | ---                    | ---                    | ---                    | 55                       | ---                         | ---                   |
| SEP17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 63                       | ---                         | 1042                  |
| DEC17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 63                       | ---                         | 230                   |
|                                     | 105                                     | 2032              | 22                     | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | 1397                  |
| ALUMINIUM EURO PREM METAL BULLETIN  |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| ALUMINA FOB S&P GLOBAL PLATTS FUT   |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| COMEX PHYSICAL ALUMINUM FUTURES     |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| ALUMINUM MW TRANS PREM PLATTS SWAPS |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JAN18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 20                       | ---                         | ---                   |
| FEB18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 20                       | ---                         | ---                   |
| MAR18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 20                       | ---                         | ---                   |
| APR18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 20                       | ---                         | ---                   |
| MAY18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 20                       | ---                         | ---                   |
| JUN18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 20                       | ---                         | ---                   |
| U.S. MIDWEST BUSHELING SCRAP        |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| ALUMINIUM EURO PREM DUTY-PAID FUT   |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| KILO GOLD FUTURES                   |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| COMEX COPPER SWAP FUTURES           |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| HOT ROLLED COIL STEEL (CRU) FUTURES |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| AUG17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 113                      | ---                         | ---                   |
| SEP17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 138                      | ---                         | ---                   |
| OCT17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 41                       | ---                         | ---                   |
| NOV17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 15                       | ---                         | ---                   |
| DEC17                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 41                       | ---                         | ---                   |
| JAN18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 15                       | ---                         | ---                   |
| FEB18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 15                       | ---                         | ---                   |
| MAR18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 15                       | ---                         | ---                   |
| APR18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 10                       | ---                         | ---                   |
| MAY18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 10                       | ---                         | ---                   |
| JUN18                               | ---                                     | ---               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | 10                       | ---                         | ---                   |
| 10 TROY OZ GOLD FUTURES             |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| ALUMINUM JAPAN PREMIUM (PLATTS) FUT |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| IRON ORE 62 CHINA (PLATTS) FUTURES  |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| COMEX E-MINI COPPER FUTURES         |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| E-MINI SILVER FUTURES               |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| E-MINI GOLD FUTURES                 |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| 1000 OZ SILVER FUTURES              |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| JUL17                               | 235                                     | 235               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
|                                     | 235                                     | 235               | ---                    | ---                    | ---                     | ---                    | ---                    | ---                    | ---                      | ---                         | ---                   |
| IRON ORE 62 CHINA (TSI) FUTURES     |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| NYMEX URANIUM                       |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |
| ZINC FUTURES                        |   |                   |                        |                        |                         |                        |                        |                        |                          |                             |                       |

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