



BKFOREX EVENT RISK TRADING CALENDAR 12/09/2018- 12/14/2018

|                       |
|-----------------------|
| Strong Confidence - 1 |
| Medium Confidence - 2 |
| No Strong View - 0    |

| TIER 1 DATA: VERY MARKET MOVING, TRADEABLE |          |            |         |                           |                                      |        |        |          |             |                    |   |
|--|----------|------------|---------|---------------------------|--------------------------------------|--------|--------|----------|-------------|--------------------|---|
| Day  | Date     | Time (EST) | Country | Conf                      | Event                                | Period | Survey | Previous | Bull/Bear?  | Potential ST Trade | Rationale   |
| <b>MONDAY</b>                              |          |            |         |                           |                                      |        |        |          |             |                    |   |
| Monday                                     | 12/10/18 | 2:00 AM    | GE      | 1                         | Trade Balance                        | Oct    | --     | 18.3b    | Bearish EUR | Short EUR/USD      | Lower business confidence and manufacturing PMI   |
| Monday                                     | 12/10/18 | 2:00 AM    | GE      |                           | Current Account Balance              | Oct    | --     | 21.1b    |             |                    |   |
| Monday                                     | 12/10/18 | 2:00 AM    | GE      |                           | Exports SA MoM                       | Oct    | --     | -0.70%   |             |                    |   |
| Monday                                     | 12/10/18 | 2:00 AM    | GE      |                           | Imports SA MoM                       | Oct    | --     | -0.10%   |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      | 1                         | Visible Trade Balance GBP/Mn         | Oct    | --     | €9731m   | Bullish GBP | Long GBP/USD       | Stronger UK PMI Manufacturing activity  |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Trade Balance Non EU GBP/Mn          | Oct    | --     | €2343m   |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Trade Balance                        | Oct    | --     | €27m     |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Industrial Production MoM            | Oct    | --     | 0.00%    |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Industrial Production YoY            | Oct    | --     | 0.00%    |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Manufacturing Production MoM         | Oct    | --     | 0.20%    |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Manufacturing Production YoY         | Oct    | --     | 0.50%    |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | GDP (MoM)                            | Oct    | --     | 0.00%    |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Monthly GDP 3M/3M Change             | Oct    | --     | 0.60%    |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      |                           | Index of Services MoM                | Oct    | --     | -0.10%   |             |                    |   |
| Monday                                     | 12/10/18 | 4:30 AM    | UK      | Index of Services 3M/3M   | Oct                                  | --     | 0.40%  |          |             |                    |   |
| <b>TUESDAY</b>                             |          |            |         |                           |                                      |        |        |          |             |                    |   |
| Tuesday                                    | 12/11/18 | 4:30 AM    | UK      | 2                         | Claimant Count Rate                  | Nov    | --     | 2.70%    | Bearish GBP | Short GBP/USD      | Mild rebound in manufacturing employment, services employment growth moderates to 4 month low |
| Tuesday                                    | 12/11/18 | 4:30 AM    | UK      |                           | Jobless Claims Change                | Nov    | --     | 20.2k    |             |                    |   |
| Tuesday                                    | 12/11/18 | 4:30 AM    | UK      |                           | Average Weekly Earnings 3M/YoY       | Oct    | --     | 3.00%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 4:30 AM    | UK      |                           | Weekly Earnings ex Bonus 3M/YoY      | Oct    | --     | 3.20%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 4:30 AM    | UK      |                           | ILO Unemployment Rate 3Mths          | Oct    | --     | 4.10%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 4:30 AM    | UK      | Employment Change 3M/3M   | Oct                                  | --     | 23k    |          |             |                    |   |
| Tuesday                                    | 12/11/18 | 5:00 AM    | GE      | 2                         | ZEW Survey Current Situation         | Dec    | --     | 58.2     | Bullish EUR | Long EUR/USD       | Market stability and positive Italian headlines could bolster confidence                      |
| Tuesday                                    | 12/11/18 | 5:00 AM    | GE      |                           | ZEW Survey Expectations              | Dec    | --     | -24.1    |             |                    |   |
| Tuesday                                    | 12/11/18 | 5:00 AM    | EC      |                           | ZEW Survey Expectations              | Dec    | --     | -22      |             |                    |   |
| Tuesday                                    | 12/11/18 | 8:30 AM    | US      | 2                         | PPI Final Demand MoM                 | Nov    | 0.00%  | 0.60%    | Bearish USD | Short USD/JPY      | Oil prices fell sharply in Nov but forecasts are already low                                  |
| Tuesday                                    | 12/11/18 | 8:30 AM    | US      |                           | PPI Ex Food and Energy MoM           | Nov    | 0.10%  | 0.50%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 8:30 AM    | US      |                           | PPI Ex Food, Energy, Trade MoM       | Nov    | 0.20%  | 0.20%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 8:30 AM    | US      |                           | PPI Final Demand YoY                 | Nov    | --     | 2.90%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 8:30 AM    | US      |                           | PPI Ex Food and Energy YoY           | Nov    | --     | 2.60%    |             |                    |   |
| Tuesday                                    | 12/11/18 | 8:30 AM    | US      |                           | PPI Ex Food, Energy, Trade YoY       | Nov    | --     | 2.80%    |             |                    |   |
| <b>WEDNESDAY</b>                           |          |            |         |                           |                                      |        |        |          |             |                    |   |
| Wednesday                                  | 12/12/18 | 5:00 AM    | EC      | 2                         | Industrial Production SA MoM         | Oct    | --     | -0.30%   | Bearish USD | Short USD/JPY      | Weaker German industrial production   |
| Wednesday                                  | 12/12/18 | 5:00 AM    | EC      |                           | Industrial Production WDA YoY        | Oct    | --     | 0.90%    |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      | Will update               | CPI MoM                              | Nov    | 0.00%  | 0.30%    | Will update | Will update        | Will update after PPI but gas prices were down sharply in Nov                                 |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | CPI Ex Food and Energy MoM           | Nov    | 0.20%  | 0.20%    |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | CPI YoY                              | Nov    | 2.20%  | 2.50%    |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | CPI Ex Food and Energy YoY           | Nov    | 2.20%  | 2.10%    |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | CPI Index NSA                        | Nov    | --     | 252.885  |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | CPI Core Index SA                    | Nov    | --     | 258.939  |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | Real Avg Weekly Earnings YoY         | Nov    | --     | 0.90%    |             |                    |   |
| Wednesday                                  | 12/12/18 | 8:30 AM    | US      |                           | Real Avg Hourly Earning YoY          | Nov    | --     | 0.70%    |             |                    |   |
| <b>THURSDAY</b>                            |          |            |         |                           |                                      |        |        |          |             |                    |   |
| Thursday                                   | 12/13/18 | 2:00 AM    | GE      | No Trade                  | CPI MoM                              | Nov F  | --     | 0.10%    | No Trade    | No Trade           | Revisions are hard to predict but changes can be market moving                                |
| Thursday                                   | 12/13/18 | 2:00 AM    | GE      |                           | CPI YoY                              | Nov F  | --     | 2.30%    |             |                    |   |
| Thursday                                   | 12/13/18 | 2:00 AM    | GE      |                           | CPI EU Harmonized MoM                | Nov F  | --     | 0.10%    |             |                    |   |
| Thursday                                   | 12/13/18 | 2:00 AM    | GE      | No Trade                  | CPI EU Harmonized YoY                | Nov F  | --     | 2.20%    | No Trade    | No Trade           | SNB has no reason to change their low rate bias   |
| Thursday                                   | 12/13/18 | 3:30 AM    | SZ      |                           | SNB Sight Deposit Interest Rate      | 13-Dec | --     | -0.75%   |             |                    |   |
| Thursday                                   | 12/13/18 | 3:30 AM    | SZ      |                           | SNB 3-Month Libor Lower Target Range | 13-Dec | --     | -1.25%   |             |                    |   |
| Thursday                                   | 12/13/18 | 3:30 AM    | SZ      |                           | SNB 3-Month Libor Upper Target Range | 13-Dec | --     | -0.25%   |             |                    |   |
| Thursday                                   | 12/13/18 | 7:45 AM    | EC      |                           | ECB Main Refinancing Rate            | 13-Dec | --     | 0.00%    |             |                    |   |
| Thursday                                   | 12/13/18 | 7:45 AM    | EC      |                           | ECB Marginal Lending Facility        | 13-Dec | --     | 0.25%    |             |                    |   |
| Thursday                                   | 12/13/18 | 7:45 AM    | EC      | ECB Deposit Facility Rate | 13-Dec                               | --     | -0.40% |          |             |                    |   |
| Thursday                                   | 12/13/18 | 9:00 PM    | CH      |                           | Retail Sales YoY                     | Nov    | 8.70%  | 8.60%    |             |                    |   |

|               |          |         |    |                                  |                                      |       |       |       |             |              |   |
|---------------|----------|---------|----|----------------------------------|--------------------------------------|-------|-------|-------|-------------|--------------|---|
| Thursday      | 12/13/18 | 9:00 PM | CH | No Trade                         | Retail Sales YTD YoY                 | Nov   | --    | 9.20% | No Trade    | No Trade     | Chinese data can be very market moving but hard to predict              |
| Thursday      | 12/13/18 | 9:00 PM | CH |                                  | Industrial Production YoY            | Nov   | 5.90% | 5.90% |             |              |   |
| Thursday      | 12/13/18 | 9:00 PM | CH |                                  | Industrial Production YTD YoY        | Nov   | --    | 6.40% |             |              |   |
| <b>FRIDAY</b> |          |         |    |                                  |                                      |       |       |       |             |              |   |
| Friday        | 12/14/18 | 3:30 AM | GE | Will Update                      | Markit/BME Germany Manufacturing PMI | Dec P | --    | 51.8  | Will Update | Will Update  | Will update after ZEW, weaker German industrial production              |
| Friday        | 12/14/18 | 3:30 AM | EC |                                  | Markit Eurozone Manufacturing PMI    | Dec P | --    | 51.8  |             |              |   |
| Friday        | 12/14/18 | 3:30 AM | EC |                                  | Markit Eurozone Services PMI         | Dec P | --    | --    |             |              |   |
| Friday        | 12/14/18 | 3:30 AM | EC |                                  | Markit Eurozone Composite PMI        | Dec P | --    | --    |             |              |   |
| Friday        | 12/14/18 | 3:30 AM | GE |                                  | Markit Germany Services PMI          | Dec P | --    | --    |             |              |   |
| Friday        | 12/14/18 | 3:30 AM | GE | Markit/BME Germany Composite PMI | Dec P                                | --    | --    |       |             |              |   |
| Friday        | 12/14/18 | 8:30 AM | US | 2                                | Retail Sales Advance MoM             | Nov   | 0.20% | 0.80% | Bullish USD | Long USD/JPY | Gas prices declined but Redbook reported an increase in spending in Nov |
| Friday        | 12/14/18 | 8:30 AM | US |                                  | Retail Sales Ex Auto MoM             | Nov   | 0.40% | 0.70% |             |              |   |
| Friday        | 12/14/18 | 8:30 AM | US |                                  | Retail Sales Ex Auto and Gas         | Nov   | --    | 0.30% |             |              |   |
| Friday        | 12/14/18 | 8:30 AM | US |                                  | Retail Sales Control Group           | Nov   | --    | 0.30% |             |              |   |

| TIER 2 DATA: POTENTIALLY MARKET MOVING, COULD BE TRADEABLE |          |            |         |      |                                     |        |        |          |
|--|----------|------------|---------|------|-------------------------------------|--------|--------|----------|
| Day  | Date     | Time (EST) | Country | Conf | Event                               | Period | Survey | Previous |
| Sunday   | 12/9/18  | 4:45 PM    | NZ      |      | Mfg Activity Volume QoQ             | 3Q     | --     | -1.20%   |
| Sunday   | 12/9/18  | 4:45 PM    | NZ      |      | Mfg Activity SA QoQ                 | 3Q     | --     | 1.80%    |
| Sunday   | 12/9/18  | 6:50 PM    | JN      |      | GDP SA QoQ                          | 3Q F   | -0.50% | -0.30%   |
| Sunday   | 12/9/18  | 6:50 PM    | JN      |      | GDP Annualized SA QoQ               | 3Q F   | -2.00% | -1.20%   |
| Sunday   | 12/9/18  | 6:50 PM    | JN      |      | GDP Nominal SA QoQ                  | 3Q F   | -0.50% | -0.30%   |
| Sunday   | 12/9/18  | 6:50 PM    | JN      |      | GDP Deflator YoY                    | 3Q F   | -0.30% | -0.30%   |
| Sunday   | 12/9/18  | 6:50 PM    | JN      |      | GDP Private Consumption QoQ         | 3Q F   | -0.10% | -0.10%   |
| Sunday   | 12/9/18  | 6:50 PM    | JN      |      | GDP Business Spending QoQ           | 3Q F   | -1.80% | -0.20%   |
| Sunday   | 12/9/18  | 7:30 PM    | AU      |      | Home Loans MoM                      | Oct    | --     | -1.00%   |
| Sunday   | 12/9/18  | 7:30 PM    | AU      |      | Investment Lending                  | Oct    | --     | -2.80%   |
| Sunday   | 12/9/18  | 7:30 PM    | AU      |      | Owner-Occupier Loan Value MoM       | Oct    | --     | -4.20%   |
| Monday   | 12/10/18 | 1:45 AM    | SZ      |      | Unemployment Rate                   | Nov    | --     | 2.40%    |
| Monday   | 12/10/18 | 1:45 AM    | SZ      |      | Unemployment Rate SA                | Nov    | --     | 2.50%    |
| Monday   | 12/10/18 | 8:15 AM    | CA      |      | Housing Starts                      | Nov    | --     | 205.9k   |
| Monday   | 12/10/18 | 8:30 AM    | CA      |      | Building Permits MoM                | Oct    | --     | 0.40%    |
| Monday   | 12/10/18 | 4:45 PM    | NZ      |      | Card Spending Retail MoM            | Nov    | --     | 0.10%    |
| Monday   | 12/10/18 | 4:45 PM    | NZ      |      | Card Spending Total MoM             | Nov    | --     | -0.10%   |
| Monday   | 12/10/18 | 7:30 PM    | AU      |      | NAB Business Conditions             | Nov    | --     | 12       |
| Monday   | 12/10/18 | 7:30 PM    | AU      |      | NAB Business Confidence             | Nov    | --     | 4        |
| Monday   | 12/10/18 | 7:30 PM    | AU      |      | House Price Index QoQ               | 3Q     | --     | -0.70%   |
| Monday   | 12/10/18 | 7:30 PM    | AU      |      | House Price Index YoY               | 3Q     | --     | -0.60%   |
| Tuesday  | 12/11/18 | 6:30 PM    | AU      |      | Westpac Consumer Conf Index         | Dec    | --     | 104.3    |
| Tuesday  | 12/11/18 | 6:30 PM    | AU      |      | Westpac Consumer Conf SA MoM        | Dec    | --     | 2.80%    |
| Tuesday  | 12/11/18 | 6:50 PM    | JN      |      | PPI YoY                             | Nov    | --     | 2.90%    |
| Tuesday  | 12/11/18 | 6:50 PM    | JN      |      | PPI MoM                             | Nov    | --     | 0.30%    |
| Wednesday  | 12/12/18 | 5:00 AM    | EC      |      | Employment QoQ                      | 3Q F   | --     | 0.20%    |
| Wednesday  | 12/12/18 | 5:00 AM    | EC      |      | Employment YoY                      | 3Q F   | --     | 1.30%    |
| Wednesday  | 12/12/18 | 7:00 AM    | US      |      | MBA Mortgage Applications           | 7-Dec  | --     | --       |
| Wednesday  | 12/12/18 | 8:30 AM    | CA      |      | Teranet/National Bank HP Index      | Nov    | --     | 225.38   |
| Wednesday  | 12/12/18 | 8:30 AM    | CA      |      | Teranet/National Bank HPI MoM       | Nov    | --     | -0.40%   |
| Wednesday  | 12/12/18 | 8:30 AM    | CA      |      | Teranet/National Bank HPI YoY       | Nov    | --     | 2.80%    |
| Wednesday  | 12/12/18 | 8:30 AM    | CA      |      | Capacity Utilization Rate           | 3Q     | --     | 85.50%   |
| Wednesday  | 12/12/18 | 7:00 PM    | AU      |      | Consumer Inflation Expectation      | Dec    | --     | 3.60%    |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Import Price Index MoM              | Nov    | -0.70% | 0.50%    |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Import Price Index ex Petroleum MoM | Nov    | 0.00%  | 0.20%    |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Import Price Index YoY              | Nov    | --     | 3.50%    |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Export Price Index MoM              | Nov    | --     | 0.40%    |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Export Price Index YoY              | Nov    | --     | 3.10%    |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Initial Jobless Claims              | 8-Dec  | --     | --       |
| Thursday   | 12/13/18 | 8:30 AM    | US      |      | Continuing Claims                   | 1-Dec  | --     | --       |
| Thursday   | 12/13/18 | 5:00 PM    | AU      |      | CBA Australia PMI Mfg               | Dec P  | --     | 54.6     |
| Thursday   | 12/13/18 | 5:00 PM    | AU      |      | CBA Australia PMI Services          | Dec P  | --     | --       |
| Thursday   | 12/13/18 | 6:50 PM    | JN      |      | Tankan Large Mfg Index              | 4Q     | --     | 19       |
| Thursday   | 12/13/18 | 6:50 PM    | JN      |      | Tankan Large Mfg Outlook            | 4Q     | --     | 19       |
| Thursday   | 12/13/18 | 6:50 PM    | JN      |      | Tankan Large Non-Mfg Index          | 4Q     | --     | 22       |

|          |          |         |    |  |                                 |       |        |        |
|----------|----------|---------|----|--|---------------------------------|-------|--------|--------|
| Thursday | 12/13/18 | 6:50 PM | JN |  | Tankan Large Non-Mfg Outlook    | 4Q    | --     | 22     |
| Thursday | 12/13/18 | 6:50 PM | JN |  | Tankan Large All Industry Capex | 4Q    | --     | 13.40% |
| Thursday | 12/13/18 | 6:50 PM | JN |  | Tankei Small Mfg Index          | 4Q    | --     | 14     |
| Thursday | 12/13/18 | 6:50 PM | JN |  | Tankan Small Mfg Outlook        | 4Q    | --     | 11     |
| Thursday | 12/13/18 | 6:50 PM | JN |  | Tankan Small Non-Mfg Index      | 4Q    | --     | 10     |
| Thursday | 12/13/18 | 6:50 PM | JN |  | Tankan Small Non-Mfg Outlook    | 4Q    | --     | 5      |
| Thursday | 12/13/18 | 7:30 PM | JN |  | Nikkei Japan PMI Mfg            | Dec P | --     | 52.2   |
| Friday   | 12/14/18 | 9:15 AM | US |  | Industrial Production MoM       | Nov   | 0.30%  | 0.10%  |
| Friday   | 12/14/18 | 9:15 AM | US |  | Capacity Utilization            | Nov   | 78.60% | 78.40% |

| TIER 3 DATA: NOT TRADEABLE |          |            |         |      |                                |        |        |           |
|----------------------------|----------|------------|---------|------|--------------------------------|--------|--------|-----------|
| Day                        | Date     | Time (EST) | Country | Conf | Event                          | Period | Survey | Previous  |
| Sunday                     | 12/9/18  | 6:50 PM    | JN      |      | BoP Current Account Balance    | Oct    | --     | ¥1821.6b  |
| Sunday                     | 12/9/18  | 6:50 PM    | JN      |      | BoP Current Account Adjusted   | Oct    | --     | ¥1334.0b  |
| Sunday                     | 12/9/18  | 6:50 PM    | JN      |      | Trade Balance BoP Basis        | Oct    | --     | ¥323.3b   |
| Sunday                     | 12/9/18  | 6:50 PM    | JN      |      | Bank Lending Incl Trusts YoY   | Nov    | --     | 2.20%     |
| Sunday                     | 12/9/18  | 6:50 PM    | JN      |      | Bank Lending Ex-Trusts YoY     | Nov    | --     | 2.20%     |
| Sunday                     | 12/9/18  | 11:30 PM   | JN      |      | Bankruptcies YoY               | Nov    | --     | -0.40%    |
| Sunday                     | 12/9/18  | 12:00 AM   | CH      |      | Money Supply M1 YoY            | Nov    | --     | 2.70%     |
| Sunday                     | 12/9/18  | 12:00 AM   | CH      |      | Money Supply M0 YoY            | Nov    | --     | 2.80%     |
| Sunday                     | 12/9/18  | 12:00 AM   | NZ      |      | REINZ House Sales YoY          | Nov    | --     | 15.50%    |
| Sunday                     | 12/9/18  | 12:00 AM   | JN      |      | Eco Watchers Survey Current SA | Nov    | --     | 49.5      |
| Sunday                     | 12/9/18  | 12:00 AM   | JN      |      | Eco Watchers Survey Outlook SA | Nov    | --     | 50.6      |
| Sunday                     | 12/9/18  | 12:00 AM   | CH      |      | Aggregate Financing CNY        | Nov    | --     | 728.8b    |
| Sunday                     | 12/9/18  | 12:00 AM   | CH      |      | Money Supply M2 YoY            | Nov    | 8.10%  | 8.00%     |
| Sunday                     | 12/9/18  | 12:00 AM   | CH      |      | New Yuan Loans CNY             | Nov    | --     | 697.0b    |
| Monday                     | 12/10/18 | 2:30 AM    | FR      |      | Bank of France Ind. Sentiment  | Nov    | --     | 103       |
| Monday                     | 12/10/18 | 4:00 AM    | SZ      |      | Total Sight Deposits CHF       | 7-Dec  | --     | 576.9b    |
| Monday                     | 12/10/18 | 4:00 AM    | SZ      |      | Domestic Sight Deposits CHF    | 7-Dec  | --     | 472.0b    |
| Monday                     | 12/10/18 | 4:30 AM    | UK      |      | Construction Output SA MoM     | Oct    | --     | 1.70%     |
| Monday                     | 12/10/18 | 4:30 AM    | UK      |      | Construction Output SA YoY     | Oct    | --     | 3.00%     |
| Monday                     | 12/10/18 | 4:30 AM    | EC      |      | Sentix Investor Confidence     | Dec    | --     | 8.8       |
| Monday                     | 12/10/18 | 10:00 AM   | CA      |      | Bloomberg Nanos Confidence     | 7-Dec  | --     | 53.6      |
| Monday                     | 12/10/18 | 10:00 AM   | US      |      | JOLTS Job Openings             | Oct    | --     | 7009      |
| Monday                     | 12/10/18 | 4:00 PM    | NZ      |      | ANZ Truckometer Heavy MoM      | Nov    | --     | 4.60%     |
| Monday                     | 12/10/18 | 6:50 PM    | JN      |      | Money Stock M3 YoY             | Nov    | --     | 2.30%     |
| Monday                     | 12/10/18 | 6:50 PM    | JN      |      | Money Stock M2 YoY             | Nov    | --     | 2.70%     |
| Monday                     | 12/10/18 | 6:50 PM    | JN      |      | BSI Large All Industry QoQ     | 4Q     | --     | 3.8       |
| Monday                     | 12/10/18 | 6:50 PM    | JN      |      | BSI Large Manufacturing QoQ    | 4Q     | --     | 6.5       |
| Monday                     | 12/10/18 | 7:01 PM    | CH      |      | Manpower Survey                | 1Q     | --     | 7%        |
| Monday                     | 12/10/18 | 7:01 PM    | AU      |      | Manpower Survey                | 1Q     | --     | 15%       |
| Monday                     | 12/10/18 | 7:01 PM    | NZ      |      | Manpower Survey                | 1Q     | --     | 16%       |
| Monday                     | 12/10/18 | 7:01 PM    | JN      |      | Manpower Survey                | 1Q     | --     | 26        |
| Tuesday                    | 12/11/18 | 1:00 AM    | JN      |      | Machine Tool Orders YoY        | Nov P  | --     | -0.70%    |
| Tuesday                    | 12/11/18 | 1:30 AM    | FR      |      | Total Payrolls                 | 3Q     | --     | 0.00%     |
| Tuesday                    | 12/11/18 | 1:30 AM    | FR      |      | Private Sector Payrolls QoQ    | 3Q F   | --     | 0.20%     |
| Tuesday                    | 12/11/18 | 2:45 AM    | FR      |      | Wages QoQ                      | 3Q F   | --     | 0.30%     |
| Tuesday                    | 12/11/18 | 6:00 AM    | US      |      | NFIB Small Business Optimism   | Nov    | --     | 107.4     |
| Tuesday                    | 12/11/18 | 6:50 PM    | JN      |      | Core Machine Orders MoM        | Oct    | --     | -18.30%   |
| Tuesday                    | 12/11/18 | 6:50 PM    | JN      |      | Core Machine Orders YoY        | Oct    | --     | -7.00%    |
| Tuesday                    | 12/11/18 | 11:30 PM   | JN      |      | Tertiary Industry Index MoM    | Oct    | --     | -1.10%    |
| Wednesday                  | 12/12/18 | 2:00 PM    | US      |      | Monthly Budget Statement       | Nov    | --     | -\$100.5b |
| Wednesday                  | 12/12/18 | 4:45 PM    | NZ      |      | Food Prices MoM                | Nov    | --     | -0.60%    |
| Wednesday                  | 12/12/18 | 6:50 PM    | JN      |      | Japan Buying Foreign Bonds     | 7-Dec  | --     | --        |
| Wednesday                  | 12/12/18 | 6:50 PM    | JN      |      | Japan Buying Foreign Stocks    | 7-Dec  | --     | --        |
| Wednesday                  | 12/12/18 | 6:50 PM    | JN      |      | Foreign Buying Japan Bonds     | 7-Dec  | --     | --        |
| Wednesday                  | 12/12/18 | 6:50 PM    | JN      |      | Foreign Buying Japan Stocks    | 7-Dec  | --     | --        |
| Wednesday                  | 12/12/18 | 7:01 PM    | UK      |      | RICS House Price Balance       | Nov    | --     | -10%      |
| Wednesday                  | 12/12/18 | 9:00 PM    | JN      |      | Tokyo Avg Office Vacancies     | Nov    | --     | 2.2       |
| Wednesday                  | 12/12/18 | 12:00 AM   | UK      |      | CBI Retailing Reported Sales   | Dec    | --     | 19        |
| Wednesday                  | 12/12/18 | 12:00 AM   | UK      |      | CBI Total Dist. Reported Sales | Dec    | --     | 18        |
| Thursday                   | 12/13/18 | 2:45 AM    | FR      |      | CPI EU Harmonized MoM          | Nov F  | --     | -0.20%    |

|          |          |          |    |  |  |       |       |        |
|----------|----------|----------|----|--|--|-------|-------|--------|
| Thursday | 12/13/18 | 2:45 AM  | FR |  | CPI EU Harmonized YoY                  | Nov F | --    | 2.20%  |
| Thursday | 12/13/18 | 2:45 AM  | FR |  | CPI MoM                                | Nov F | --    | -0.20% |
| Thursday | 12/13/18 | 2:45 AM  | FR |  | CPI YoY                                | Nov F | --    | 1.90%  |
| Thursday | 12/13/18 | 2:45 AM  | FR |  | CPI Ex-Tobacco Index                   | Nov   | --    | 103.37 |
| Thursday | 12/13/18 | 3:15 AM  | SZ |  | Producer & Import Prices MoM           | Nov   | --    | 0.20%  |
| Thursday | 12/13/18 | 3:15 AM  | SZ |  | Producer & Import Prices YoY           | Nov   | --    | 2.30%  |
| Thursday | 12/13/18 | 4:00 AM  | SZ |  | KOF Institute Winter Economic Forecast |       |       |        |
| Thursday | 12/13/18 | 8:30 AM  | CA |  | New Housing Price Index MoM            | Oct   | --    | 0.00%  |
| Thursday | 12/13/18 | 8:30 AM  | CA |  | New Housing Price Index YoY            | Oct   | --    | 0.20%  |
| Thursday | 12/13/18 | 9:45 AM  | US |  | Bloomberg Consumer Comfort             | 9-Dec | --    | --     |
| Thursday | 12/13/18 | 4:30 PM  | NZ |  | BusinessNZ Manufacturing PMI           | Nov   | --    | 53.5   |
| Thursday | 12/13/18 | 9:00 PM  | CH |  | Fixed Assets Ex Rural YTD YoY          | Nov   | --    | 5.70%  |
| Thursday | 12/13/18 | 9:00 PM  | CH |  | Property Investment YoY                | Nov   | --    | 9.70%  |
| Thursday | 12/13/18 | 9:00 PM  | CH |  | Surveyed Jobless Rate                  | Nov   | --    | 4.90%  |
| Thursday | 12/13/18 | 11:30 PM | JN |  | Capacity Utilization MoM               | Oct   | --    | -1.50% |
| Thursday | 12/13/18 | 11:30 PM | JN |  | Industrial Production MoM              | Oct F | --    | 2.90%  |
| Thursday | 12/13/18 | 11:30 PM | JN |  | Industrial Production YoY              | Oct F | --    | 4.20%  |
| Thursday | 12/13/18 | 12:00 AM | GE |  | Wholesale Price Index MoM              | Nov   | --    | 0.30%  |
| Thursday | 12/13/18 | 12:00 AM | GE |  | Wholesale Price Index YoY              | Nov   | --    | 4.00%  |
| Friday   | 12/14/18 | 2:00 AM  | EC |  | EU27 New Car Registrations             | Nov   | --    | -7.30% |
| Friday   | 12/14/18 | 3:00 AM  | FR |  | Markit France Manufacturing PMI        | Dec P | --    | 50.8   |
| Friday   | 12/14/18 | 3:00 AM  | FR |  | Markit France Services PMI             | Dec P | --    | --     |
| Friday   | 12/14/18 | 3:15 AM  | FR |  | Markit France Composite PMI            | Dec P | --    | --     |
| Friday   | 12/14/18 | 5:00 AM  | EC |  | Labour Costs YoY                       | 3Q    | --    | 2.20%  |
| Friday   | 12/14/18 | 9:15 AM  | US |  | Manufacturing (SIC) Production         | Nov   | --    | 0.30%  |
| Friday   | 12/14/18 | 9:45 AM  | US |  | Markit US Services PMI                 | Dec P | --    | --     |
| Friday   | 12/14/18 | 9:45 AM  | US |  | Markit US Manufacturing PMI            | Dec P | --    | 55.3   |
| Friday   | 12/14/18 | 10:00 AM | US |  | Business Inventories                   | Oct   | 0.50% | 0.30%  |
| Friday   | 12/14/18 | 8:30 PM  | CH |  | New Home Prices MoM                    | Nov   | --    | 1.02%  |

| Date     | Time    |    | Event   |
|----------|---------|----|---|
| 12/9/18  | 4:30 PM | AU | RBA's Kent gives speech in Sydney               |
| 12/9/18  | 8:00 PM | NZ | Treasury Publishes Monthly Economic Indicators  |
| 12/12/18 | 7:00 PM | NZ | New Zealand Half-Year Fiscal, Economic Update   |
| 12/13/18 | 4:00 AM | SZ | SNB's Jordan Speaks at Press Conference in Bern |
| 12/14/18 | 3:15 AM | EC | ECB Vice-President Guindos Speaks in Frankfurt  |
| 12/14/18 | 4:30 AM | EC | ECB's Lautenschlaeger Speaks in Frankfurt       |