JS≣

**INTEREST RATE AND CURRENCY DERIVATIVES** 

**DERIVATIVES MATCHED TRADES REPORT** 

REPORT FOR 30/10/2018

Johannesburg Stock Exchange

One Exchange Square, Gwen Lane, Sandown, South Africa Private Bag X991174 Sandton 2146

Tel: +27 11 520 7000 Fax: +27 11 520 8584

www.jse.co.za

Registration number: 2005/022939/06

VAT number: 4080119391

| Matched<br>Time | Contract        | Details       | Strike Call/<br>Put | Product      | No<br>of Trades | Nominal     | Trade<br>Type | Buy/<br>Sell |
|-----------------|-----------------|---------------|---------------------|--------------|-----------------|-------------|---------------|--------------|
| 12:24:16        | ALBI            | On 01/11/2018 |                     | Index Future | 1               | 10,000      | 0.00 Member   | Buy          |
| 12:24:16        | ALBI            | On 07/02/2019 |                     | Index Future | 1               | 10,000      | 0.00 Member   | Sell         |
| 12:25:35        | ALBI            | On 07/02/2019 |                     | Index Future | 1               | 10,000      | 0.00 Member   | Buy          |
| 12:25:35        | ALBI            | On 01/11/2018 |                     | Index Future | 1               | 10,000      | 0.00 Member   | Sell         |
| 13:14:21        | ALBI            | On 01/11/2018 |                     | Index Future | 1               | 10,000      | 0.00 Client   | Sell         |
| 13:14:21        | ALBI            | On 01/11/2018 |                     | Index Future | 1               | 10,000      | 0.00 Member   | Buy          |
| 13:14:41        | ALBI            | On 07/02/2019 |                     | Index Future | 1               | 10,000      | 0.00 Client   | Buy          |
| 13:14:41        | ALBI            | On 07/02/2019 |                     | Index Future | 1               | 10,000      | 0.00 Member   | Sell         |
| Total for ALE   | 3I Index Future |               |                     |              | 8               | 80,000      | 0.00          |              |
| 9:07:04         | 12046           | On 01/11/2018 |                     | Bond Future  | 1               | 100,000,000 | 0.00 Member   | Buy          |
| 9:07:04         | 12046           | On 01/11/2018 |                     | Bond Future  | 1               | 100,000,000 | 0.00 Client   | Sell         |
| 14:56:41        | 12046           | On 01/11/2018 |                     | Bond Future  | 1               | 25,000,000  | 0.00 Member   | Sell         |
| 14:56:41        | 12046           | On 07/02/2019 |                     | Bond Future  | 1               | 25,000,000  | 0.00 Member   | Buy          |

| Matched<br>Time | Contract I     | Details       | Strike Call/<br>Put | Product      | No<br>of Trades | Nominal       | Trade<br>Type | Buy<br>Sell |
|-----------------|----------------|---------------|---------------------|--------------|-----------------|---------------|---------------|-------------|
| 14:56:41        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 100,000,000   | 0.00 Member   | Sell        |
| 14:56:41        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 100,000,000   | 0.00 Member   | Buy         |
| 15:19:48        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 50,000,000    | 0.00 Member   | Sell        |
| 15:19:49        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 50,000,000    | 0.00 Member   | Buy         |
| 15:19:49        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 50,000,000    | 0.00 Client   | Sell        |
| 15:20:25        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Client   | Sell        |
| 15:20:25        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Member   | Buy         |
| 15:20:25        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Member   | Sell        |
| 15:20:42        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Member   | Buy         |
| 15:20:42        | 12046          | On 01/11/2018 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Client   | Sell        |
| 15:21:11        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 50,000,000    | 0.00 Member   | Buy         |
| 15:21:11        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 50,000,000    | 0.00 Client   | Buy         |
| 15:21:11        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 50,000,000    | 0.00 Member   | Sell        |
| 15:22:13        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Member   | Buy         |
| 15:22:13        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Member   | Sell        |
| 15:22:13        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Client   | Buy         |
| 15:22:28        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Client   | Buy         |
| 15:22:28        | 12046          | On 07/02/2019 |                     | Bond Future  | 1               | 25,000,000    | 0.00 Member   | Sell        |
| Total for I204  | 46 Bond Future |               |                     |              | 22              | 1,000,000,000 | 0.00          |             |
| 10:58:40        | IGOV           | On 07/02/2019 |                     | Index Future | 1               | 10,000        | 0.00 Member   | Sell        |
| 10:58:40        | IGOV           | On 07/02/2019 |                     | Index Future | 1               | 10,000        | 0.00 Member   | Buy         |
| 11:46:55        | IGOV           | On 07/02/2019 |                     | Index Future | 1               | 10,000        | 0.00 Member   | Buy         |
| 11:46:55        | IGOV           | On 07/02/2019 |                     | Index Future | 1               | 10,000        | 0.00 Client   | Sell        |
| Total for IGC   | V Index Future |               |                     |              | 4               | 40,000        | 0.00          |             |
| 9:32:21         | R186           | On 01/11/2018 |                     | Bond Future  | 1               | 10,000,000    | 0.00 Member   | Buy         |
| 9:32:21         | R186           | On 07/02/2019 |                     | Bond Future  | 1               | 10,000,000    | 0.00 Member   | Sell        |
| 9:32:21         | R186           | On 07/02/2019 |                     | Bond Future  | 1               | 10,000,000    | 0.00 Member   | Buy         |
| 9:32:21         | R186           | On 01/11/2018 |                     | Bond Future  | 1               | 10,000,000    | 0.00 Member   | Sell        |
| 10:26:42        | R186           | On 01/11/2018 |                     | Bond Future  | 1               | 300,000       | 0.00 Member   | Sell        |
| 10:26:42        | R186           | On 01/11/2018 |                     | Bond Future  | 1               | 10,000,000    | 0.00 Member   | Buy         |
|                 |                |               |                     |              |                 |               |               |             |

| Matched<br>Time | Contract | Details       | Strike Call |             | No<br>of Trades | Nominal     | Trade<br>Type | Buy/<br>Sell |
|-----------------|----------|---------------|-------------|-------------|-----------------|-------------|---------------|--------------|
| 10:27:13        | R186     | On 07/02/2019 |             | Bond Future | 1               | 10,000,000  | 0.00 Member   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 300,000     | 0.00 Member   | Buy          |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 8,900,000   | 0.00 Member   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 500,000     | 0.00 Member   | Buy          |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 500,000     | 0.00 Member   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 300,000     | 0.00 Member   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 300,000     | 0.00 Member   | Buy          |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 300,000     | 0.00 Client   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 8,900,000   | 0.00 Client   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 500,000     | 0.00 Client   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 300,000     | 0.00 Client   | Sell         |
| 12:20:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 8,900,000   | 0.00 Member   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 8,900,000   | 0.00 Member   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 500,000     | 0.00 Member   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 500,000     | 0.00 Client   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 300,000     | 0.00 Member   | Sell         |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 300,000     | 0.00 Client   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 8,900,000   | 0.00 Client   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 300,000     | 0.00 Client   | Buy          |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 8,900,000   | 0.00 Member   | Sell         |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 500,000     | 0.00 Member   | Sell         |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 300,000     | 0.00 Member   | Sell         |
| 12:20:54        | R186     | On 07/02/2019 |             | Bond Future | 1               | 300,000     | 0.00 Member   | Buy          |
| 15:47:58        | R186     | On 01/11/2018 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Buy          |
| 15:47:58        | R186     | On 01/11/2018 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Sell         |
| 15:48:40        | R186     | On 07/02/2019 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Sell         |
| 15:48:40        | R186     | On 07/02/2019 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Buy          |
| 16:22:08        | R186     | On 07/02/2019 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Buy          |
| 16:22:08        | R186     | On 07/02/2019 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Sell         |
| 16:24:40        | R186     | On 07/02/2019 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Sell         |
| 16:24:40        | R186     | On 07/02/2019 |             | Bond Future | 1               | 189,200,000 | 0.00 Member   | Buy          |
| 16:42:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 51,700,000  | 0.00 Member   | Buy          |
| 16:42:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 75,000,000  | 0.00 Client   | Sell         |
| 16:42:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 51,700,000  | 0.00 Client   | Sell         |
| 16:42:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 55,600,000  | 0.00 Member   | Buy          |
| 16:42:24        | R186     | On 01/11/2018 |             | Bond Future | 1               | 55,600,000  | 0.00 Client   | Sell         |

| Matched<br>Time | Contract I | Details       | Strike Call | Product     | No<br>of Trades | Nominal    | Trade<br>Type | Buy/<br>Sell |
|-----------------|------------|---------------|-------------|-------------|-----------------|------------|---------------|--------------|
| 16:42:24        | R186       | On 01/11/2018 |             | Bond Future | 1               | 6,900,000  | 0.00 Member   | Buy          |
| 16:42:24        | R186       | On 01/11/2018 |             | Bond Future | 1               | 6,900,000  | 0.00 Client   | Sell         |
| 16:42:24        | R186       | On 01/11/2018 |             | Bond Future | 1               | 75,000,000 | 0.00 Member   | Buy          |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 6,900,000  | 0.00 Member   | Sell         |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 6,900,000  | 0.00 Client   | Buy          |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 51,700,000 | 0.00 Client   | Buy          |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 75,000,000 | 0.00 Client   | Buy          |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 55,600,000 | 0.00 Member   | Sell         |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 75,000,000 | 0.00 Member   | Sell         |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 55,600,000 | 0.00 Client   | Buy          |
| 16:42:24        | R186       | On 07/02/2019 |             | Bond Future | 1               | 51,700,000 | 0.00 Member   | Sell         |
| 17:23:10        | R186       | On 07/02/2019 |             | Bond Future | 1               | 700,000    | 0.00 Member   | Sell         |
| 17:23:10        | R186       | On 07/02/2019 |             | Bond Future | 1               | 94,400,000 | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,600,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,400,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,600,000  | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,000,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 31,500,000 | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 5,500,000  | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 31,500,000 | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,400,000  | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,200,000  | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 3,200,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 5,500,000  | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 6,600,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 5,700,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 8,100,000  | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,400,000  | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,600,000  | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 8,100,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 700,000    | 0.00 Client   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,200,000  | 0.00 Member   | Sell         |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 1,200,000  | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 5,700,000  | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 27,900,000 | 0.00 Member   | Buy          |
| 17:29:31        | R186       | On 07/02/2019 |             | Bond Future | 1               | 6,600,000  | 0.00 Member   | Buy          |

| Matched<br>Time | Contract I      | Details       | Strike Call/<br>Put | Product     | No<br>of Trades | Nominal       | Trade<br>Type | Buy.<br>Sell |
|-----------------|-----------------|---------------|---------------------|-------------|-----------------|---------------|---------------|--------------|
| 17:29:31        | R186            | On 07/02/2019 |                     | Bond Future | 1               | 1,000,000     | 0.00 Client   | Sell         |
| 17:29:31        | R186            | On 07/02/2019 |                     | Bond Future | 1               | 3,200,000     | 0.00 Client   | Sell         |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 700,000       | 0.00 Member   | Buy          |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 27,900,000    | 0.00 Client   | Sell         |
| 17:29:31        | R186            | On 07/02/2019 |                     | Bond Future | 1               | 6,600,000     | 0.00 Client   | Sell         |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 5,700,000     | 0.00 Client   | Sell         |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 1,000,000     | 0.00 Member   | Buy          |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 5,500,000     | 0.00 Member   | Sell         |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 3,200,000     | 0.00 Member   | Buy          |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 31,500,000    | 0.00 Member   | Sell         |
| 7:29:31         | R186            | On 07/02/2019 |                     | Bond Future | 1               | 27,900,000    | 0.00 Member   | Sell         |
| 17:29:31        | R186            | On 07/02/2019 |                     | Bond Future | 1               | 8,100,000     | 0.00 Member   | Buy          |
| otal for R18    | 36 Bond Future  |               |                     |             | 91              | 2,768,000,000 | 0.00          |              |
| 9:02:06         | R197            | On 01/11/2018 |                     | Bond Future | 1               | 500,000       | 0.00 Member   | Buy          |
| 9:02:06         | R197            | On 01/11/2018 |                     | Bond Future | 1               | 500,000       | 0.00 Member   | Sell         |
| otal for R19    | 97 Bond Future  |               |                     |             | 2               | 1,000,000     | 0.00          |              |
| 7:23:10         | R2023           | On 07/02/2019 |                     | Bond Future | 1               | 22,900,000    | 0.00 Member   | Sell         |
| 7:23:10         | R2023           | On 07/02/2019 |                     | Bond Future | 1               | 22,900,000    | 0.00 Member   | Buy          |
| 7:27:11         | R2023           | On 07/02/2019 |                     | Bond Future | 1               | 22,900,000    | 0.00 Client   | Sell         |
| 7:27:11         | R2023           | On 07/02/2019 |                     | Bond Future | 1               | 22,900,000    | 0.00 Member   | Buy          |
| otal for R20    | 023 Bond Future |               |                     |             | 4               | 91,600,000    | 0.00          |              |
| 9:32:21         | R2037           | On 07/02/2019 |                     | Bond Future | 1               | 5,400,000     | 0.00 Member   | Sell         |
| 9:32:21         | R2037           | On 01/11/2018 |                     | Bond Future | 1               | 5,400,000     | 0.00 Member   | Buy          |
| 9:32:21         | R2037           | On 01/11/2018 |                     | Bond Future | 1               | 5,400,000     | 0.00 Member   | Sell         |
| 9:32:21         | R2037           | On 07/02/2019 |                     | Bond Future | 1               | 5,400,000     | 0.00 Member   | Buy          |
| 0:27:39         | R2037           | On 01/11/2018 |                     | Bond Future | 1               | 100,000       | 0.00 Member   | Sell         |
| 0:27:39         | R2037           | On 01/11/2018 |                     | Bond Future | 1               | 5,400,000     | 0.00 Member   | Buy          |
| 0:28:21         | R2037           | On 07/02/2019 |                     | Bond Future | 1               | 100,000       | 0.00 Member   | Buy          |
| 0:28:21         | R2037           | On 07/02/2019 |                     | Bond Future | 1               | 5,400,000     | 0.00 Member   | Sell         |

| Matched<br>Time | Contract D | <b>Details</b> | Strike | Call/<br>Put | Product     | No<br>of Trades | Nominal    | Trade<br>Type | Buy/<br>Sell |
|-----------------|------------|----------------|--------|--------------|-------------|-----------------|------------|---------------|--------------|
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 300,000    | 0.00 Member   | Buy          |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 200,000    | 0.00 Member   | Buy          |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 100,000    | 0.00 Client   | Sell         |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 100,000    | 0.00 Member   | Buy          |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 4,800,000  | 0.00 Client   | Sell         |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 300,000    | 0.00 Client   | Sell         |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 200,000    | 0.00 Member   | Sell         |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 4,800,000  | 0.00 Member   | Buy          |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 200,000    | 0.00 Client   | Sell         |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 300,000    | 0.00 Member   | Sell         |
| 12:21:30        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 4,800,000  | 0.00 Member   | Sell         |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 200,000    | 0.00 Client   | Buy          |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 200,000    | 0.00 Member   | Sell         |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 100,000    | 0.00 Client   | Buy          |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 300,000    | 0.00 Member   | Buy          |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 4,800,000  | 0.00 Member   | Sell         |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 4,800,000  | 0.00 Member   | Buy          |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 300,000    | 0.00 Client   | Buy          |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 300,000    | 0.00 Member   | Sell         |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 100,000    | 0.00 Member   | Sell         |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 4,800,000  | 0.00 Client   | Buy          |
| 12:21:56        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 200,000    | 0.00 Member   | Buy          |
| 12:29:40        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 10,500,000 | 0.00 Member   | Sell         |
| 12:29:40        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 10,500,000 | 0.00 Member   | Buy          |
| 12:40:16        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 10,500,000 | 0.00 Client   | Sell         |
| 12:40:16        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 10,500,000 | 0.00 Member   | Buy          |
| 15:49:31        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Buy          |
| 15:49:31        | R2037      | On 01/11/2018  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Sell         |
| 15:50:18        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Sell         |
| 15:50:18        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Buy          |
| 16:22:08        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Buy          |
| 16:22:08        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Sell         |
| 16:24:40        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Sell         |
| 16:24:40        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 24,100,000 | 0.00 Member   | Buy          |
| 16:58:58        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 13,700,000 | 0.00 Client   | Buy          |
| 16:58:58        | R2037      | On 07/02/2019  |        |              | Bond Future | 1               | 10,400,000 | 0.00 Client   | Buy          |

| Matched<br>Time | Contract D     | Oetails       | Strike | Call/<br>Put | Product     | No<br>of Trades | Nominal     | Trade<br>Type | Buy/<br>Sell |
|-----------------|----------------|---------------|--------|--------------|-------------|-----------------|-------------|---------------|--------------|
| 16:58:58        | R2037          | On 07/02/2019 |        |              | Bond Future | 1               | 13,700,000  | 0.00 Member   | Sell         |
| 16:58:58        | R2037          | On 07/02/2019 |        |              | Bond Future | 1               | 10,400,000  | 0.00 Member   | Sell         |
| 16:58:58        | R2037          | On 01/11/2018 |        |              | Bond Future | 1               | 10,400,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2037          | On 01/11/2018 |        |              | Bond Future | 1               | 13,700,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2037          | On 01/11/2018 |        |              | Bond Future | 1               | 10,400,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2037          | On 01/11/2018 |        |              | Bond Future | 1               | 13,700,000  | 0.00 Member   | Buy          |
| Total for R20   | 37 Bond Future |               |        |              |             | 50              | 396,000,000 | 0.00          |              |
| 10:45:05        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 2,600,000   | 0.00 Member   | Buy          |
| 10:45:05        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 143,000,000 | 0.00 Member   | Sell         |
| 12:29:40        | R2044          | On 01/11/2018 |        |              | Bond Future | 1               | 9,800,000   | 0.00 Member   | Sell         |
| 12:29:40        | R2044          | On 01/11/2018 |        |              | Bond Future | 1               | 9,800,000   | 0.00 Member   | Buy          |
| 12:40:16        | R2044          | On 01/11/2018 |        |              | Bond Future | 1               | 9,800,000   | 0.00 Client   | Sell         |
| 12:40:16        | R2044          | On 01/11/2018 |        |              | Bond Future | 1               | 9,800,000   | 0.00 Member   | Buy          |
| 14:05:09        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 29,700,000  | 0.00 Member   | Sell         |
| 14:05:09        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 34,000,000  | 0.00 Member   | Sell         |
| 14:05:09        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 34,000,000  | 0.00 Client   | Buy          |
| 14:05:09        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 29,700,000  | 0.00 Member   | Buy          |
| 14:05:09        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 34,000,000  | 0.00 Member   | Buy          |
| 14:05:09        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 29,700,000  | 0.00 Client   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 16,800,000  | 0.00 Member   | Sell         |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 16,800,000  | 0.00 Client   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 20,100,000  | 0.00 Client   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 4,000,000   | 0.00 Member   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 16,800,000  | 0.00 Member   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 16,100,000  | 0.00 Member   | Sell         |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 16,100,000  | 0.00 Member   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 9,400,000   | 0.00 Member   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Member   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 6,500,000   | 0.00 Member   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 4,000,000   | 0.00 Member   | Sell         |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Client   | Buy          |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 6,500,000   | 0.00 Member   | Sell         |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Member   | Sell         |
| 14:05:10        | R2044          | On 07/02/2019 |        |              | Bond Future | 1               | 9,400,000   | 0.00 Client   | Buy          |

| Matched<br>Time | Contract D | etails        | all/ Product<br>ut | No<br>of Trades | Nominal    | Trade<br>Type | Buy/<br>Sell |
|-----------------|------------|---------------|--------------------|-----------------|------------|---------------|--------------|
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 20,100,000 | 0.00 Member   | Sell         |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 4,000,000  | 0.00 Client   | Buy          |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 9,400,000  | 0.00 Member   | Sell         |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 16,100,000 | 0.00 Client   | Buy          |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 6,500,000  | 0.00 Client   | Buy          |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 2,600,000  | 0.00 Member   | Sell         |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 2,600,000  | 0.00 Client   | Buy          |
| 14:05:10        | R2044      | On 07/02/2019 | Bond Future        | 1               | 20,100,000 | 0.00 Member   | Buy          |
| 15:51:25        | R2044      | On 01/11/2018 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Buy          |
| 15:51:25        | R2044      | On 01/11/2018 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Sell         |
| 15:53:47        | R2044      | On 07/02/2019 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Sell         |
| 15:53:47        | R2044      | On 07/02/2019 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Buy          |
| 16:22:08        | R2044      | On 07/02/2019 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Buy          |
| 16:22:08        | R2044      | On 07/02/2019 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Sell         |
| 16:24:40        | R2044      | On 07/02/2019 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Sell         |
| 16:24:40        | R2044      | On 07/02/2019 | Bond Future        | 1               | 97,100,000 | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 | Bond Future        | 1               | 10,800,000 | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 | Bond Future        | 1               | 6,900,000  | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 | Bond Future        | 1               | 7,200,000  | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 | Bond Future        | 1               | 2,000,000  | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 7,200,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 700,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 6,900,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 100,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 100,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 14,400,000 | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 14,400,000 | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 100,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 500,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 7,200,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 3,400,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 | Bond Future        | 1               | 100,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 16,700,000 | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 2,000,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 500,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 | Bond Future        | 1               | 5,900,000  | 0.00 Member   | Buy          |

| Matched<br>Time | Contract D | etails        | Strike | Call/<br>Put | Product     | No<br>of Trades | Nominal    | Trade<br>Type | Buy/<br>Sell |
|-----------------|------------|---------------|--------|--------------|-------------|-----------------|------------|---------------|--------------|
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 10,800,000 | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 2,600,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 16,700,000 | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 100,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 300,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 5,900,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 100,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 2,300,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 100,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 700,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 100,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 100,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 2,000,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 2,300,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 6,900,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 300,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 3,400,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 17,500,000 | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 800,000    | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 4,700,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 4,700,000  | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 10,800,000 | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 800,000    | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 17,500,000 | 0.00 Client   | Sell         |
| 16:58:58        | R2044      | On 01/11/2018 |        |              | Bond Future | 1               | 2,600,000  | 0.00 Member   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 700,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 800,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 300,000    | 0.00 Member   | Sell         |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 300,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 500,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 100,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 17,500,000 | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 14,400,000 | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 2,300,000  | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 5,900,000  | 0.00 Client   | Buy          |
| 16:58:58        | R2044      | On 07/02/2019 |        |              | Bond Future | 1               | 2,600,000  | 0.00 Member   | Sell         |

| Matched<br>Time | Contract D      | Details       | Call/ Product<br>Put | No<br>of Trades | Nominal       | Trade<br>Type | Buy/<br>Sell |
|-----------------|-----------------|---------------|----------------------|-----------------|---------------|---------------|--------------|
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 3,400,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 2,300,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 4,700,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 16,700,000    | 0.00 Client   | Buy          |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 800,000       | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 100,000       | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 100,000       | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 100,000       | 0.00 Client   | Buy          |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 100,000       | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 7,200,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 700,000       | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 6,900,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 14,400,000    | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 10,800,000    | 0.00 Member   | Sell         |
| 6:58:58         | R2044           | On 07/02/2019 | Bond Future          | 1               | 2,600,000     | 0.00 Client   | Buy          |
| 6:58:58         | R2044           | On 07/02/2019 | Bond Future          | 1               | 3,400,000     | 0.00 Client   | Buy          |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 2,000,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 500,000       | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 5,900,000     | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 17,500,000    | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 4,700,000     | 0.00 Client   | Buy          |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 100,000       | 0.00 Client   | Buy          |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 16,700,000    | 0.00 Member   | Sell         |
| 16:58:58        | R2044           | On 07/02/2019 | Bond Future          | 1               | 100,000       | 0.00 Member   | Sell         |
| otal for R20    | )44 Bond Future |               |                      | 123             | 1,776,400,000 | 0.00          |              |
| 16:20:51        | R2048           | On 07/02/2019 | Bond Future          | 1               | 100,000,000   | 0.00 Member   | Sell         |
| 16:20:51        | R2048           | On 07/02/2019 | Bond Future          | 1               | 100,000,000   | 0.00 Client   | Buy          |
| otal for R20    | )48 Bond Future |               |                      | 2               | 200,000,000   | 0.00          |              |
| 8:22:17         | R207            | On 07/02/2019 | Bond Future          | 1               | 15,300,000    | 0.00 Member   | Buy          |
| 8:22:17         | R207            | On 07/02/2019 | Bond Future          | 1               | 25,700,000    | 0.00 Member   | Sell         |
| 13:44:29        | R207            | On 07/02/2019 | Bond Future          | 1               | 10,400,000    | 0.00 Member   | Sell         |

| Matched<br>Time | Contract [    | Details       | Strike | Call/<br>Put | Product     | No<br>of Trades | Nominal     | Trade<br>Type | Buy/<br>Sell |
|-----------------|---------------|---------------|--------|--------------|-------------|-----------------|-------------|---------------|--------------|
| 13:44:29        | R207          | On 07/02/2019 |        |              | Bond Future | 1               | 10,400,000  | 0.00 Member   | Buy          |
| 13:44:29        | R207          | On 07/02/2019 |        |              | Bond Future | 1               | 10,400,000  | 0.00 Client   | Buy          |
| 13:44:55        | R207          | On 07/02/2019 |        |              | Bond Future | 1               | 15,300,000  | 0.00 Member   | Sell         |
| 13:44:55        | R207          | On 07/02/2019 |        |              | Bond Future | 1               | 15,300,000  | 0.00 Client   | Buy          |
| Total for R20   | 7 Bond Future |               |        |              |             | 7               | 102,800,000 | 0.00          |              |
| 11:43:42        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 1,500,000   | 0.00 Member   | Sell         |
| 11:43:42        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 1,500,000   | 0.00 Member   | Buy          |
| 11:47:15        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 1,500,000   | 0.00 Member   | Buy          |
| 11:47:15        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 1,500,000   | 0.00 Client   | Sell         |
| 12:12:22        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 178,300,000 | 0.00 Member   | Buy          |
| 12:12:22        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 178,300,000 | 0.00 Member   | Sell         |
| 12:14:08        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 178,300,000 | 0.00 Member   | Sell         |
| 12:14:08        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 178,300,000 | 0.00 Member   | Buy          |
| 12:29:13        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Member   | Buy          |
| 12:29:13        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Member   | Sell         |
| 12:29:13        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 178,300,000 | 0.00 Member   | Buy          |
| 12:29:13        | R209          | On 07/02/2019 |        |              | Bond Future | 1               | 178,300,000 | 0.00 Member   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Client   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Buy          |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 68,900,000  | 0.00 Client   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 45,700,000  | 0.00 Member   | Buy          |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 6,700,000   | 0.00 Member   | Buy          |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 45,700,000  | 0.00 Member   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 6,700,000   | 0.00 Member   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Buy          |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Client   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 68,900,000  | 0.00 Member   | Buy          |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 68,900,000  | 0.00 Member   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 6,700,000   | 0.00 Client   | Sell         |
| 13:39:42        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 45,700,000  | 0.00 Client   | Sell         |
| 13:39:43        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Client   | Sell         |
| 13:39:43        | R209          | On 01/11/2018 |        |              | Bond Future | 1               | 35,000,000  | 0.00 Member   | Sell         |

| Matched<br>Time | Contract | Details       | Strike | Call/<br>Put | Product     | No<br>of Trades | Nominal     | Trade<br>Type | Buy/<br>Sell |
|-----------------|----------|---------------|--------|--------------|-------------|-----------------|-------------|---------------|--------------|
| 13:39:43        | R209     | On 01/11/2018 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Member   | Buy          |
| 13:39:43        | R209     | On 01/11/2018 |        |              | Bond Future | 1               | 35,000,000  | 0.00 Member   | Buy          |
| 13:39:43        | R209     | On 01/11/2018 |        |              | Bond Future | 1               | 35,000,000  | 0.00 Client   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 35,000,000  | 0.00 Member   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 35,000,000  | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 45,700,000  | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 45,700,000  | 0.00 Member   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 6,700,000   | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 68,900,000  | 0.00 Member   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 6,700,000   | 0.00 Member   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 35,000,000  | 0.00 Member   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 6,700,000   | 0.00 Member   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 45,700,000  | 0.00 Member   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 68,900,000  | 0.00 Client   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 68,900,000  | 0.00 Member   | Buy          |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 9,100,000   | 0.00 Member   | Sell         |
| 13:41:15        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 3,800,000   | 0.00 Member   | Sell         |
| 15:54:29        | R209     | On 01/11/2018 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Buy          |
| 15:54:29        | R209     | On 01/11/2018 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Sell         |
| 15:55:26        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Sell         |
| 15:55:26        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Buy          |
| 16:22:08        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Buy          |
| 16:22:08        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Sell         |
| 16:24:40        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Sell         |
| 16:24:40        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 176,200,000 | 0.00 Member   | Buy          |
| 16:58:58        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 69,400,000  | 0.00 Member   | Sell         |
| 16:58:58        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 69,400,000  | 0.00 Client   | Buy          |
| 16:58:58        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 68,800,000  | 0.00 Client   | Buy          |
| 16:58:58        | R209     | On 07/02/2019 |        |              | Bond Future | 1               | 68,800,000  | 0.00 Member   | Sell         |
| 16:58:58        | R209     | On 01/11/2018 |        |              | Bond Future | 1               | 36,800,000  | 0.00 Member   | Buy          |

| Matched<br>Time            | Contract Details |               | Strike Cal<br>Put |             | No<br>of Trades | Nominal       | Trade<br>Type | Buy/<br>Sell |
|----------------------------|------------------|---------------|-------------------|-------------|-----------------|---------------|---------------|--------------|
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 68,800,000    | 0.00 Member   | Buy          |
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 1,200,000     | 0.00 Member   | Buy          |
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 69,400,000    | 0.00 Client   | Sell         |
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 69,400,000    | 0.00 Member   | Buy          |
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 68,800,000    | 0.00 Client   | Sell         |
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 1,200,000     | 0.00 Client   | Sell         |
| 16:58:58                   | R209             | On 01/11/2018 |                   | Bond Future | 1               | 36,800,000    | 0.00 Client   | Sell         |
| 16:58:59                   | R209             | On 07/02/2019 |                   | Bond Future | 1               | 1,200,000     | 0.00 Member   | Sell         |
| 16:58:59                   | R209             | On 07/02/2019 |                   | Bond Future | 1               | 36,800,000    | 0.00 Client   | Buy          |
| 16:58:59                   | R209             | On 07/02/2019 |                   | Bond Future | 1               | 36,800,000    | 0.00 Member   | Sell         |
| 16:58:59                   | R209             | On 07/02/2019 |                   | Bond Future | 1               | 1,200,000     | 0.00 Client   | Buy          |
| Total for R209 Bond Future |                  |               |                   |             | 76              | 4,260,000,000 | 0.00          |              |
| 10:26:21                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 6,300,000     | 0.00 Member   | Buy          |
| 10:26:21                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 54,800,000    | 0.00 Member   | Sell         |
| 12:29:40                   | R214             | On 01/11/2018 |                   | Bond Future | 1               | 3,800,000     | 0.00 Member   | Sell         |
| 2:29:40                    | R214             | On 01/11/2018 |                   | Bond Future | 1               | 3,800,000     | 0.00 Member   | Buy          |
| 12:40:16                   | R214             | On 01/11/2018 |                   | Bond Future | 1               | 3,100,000     | 0.00 Member   | Buy          |
| 12:40:16                   | R214             | On 01/11/2018 |                   | Bond Future | 1               | 700,000       | 0.00 Member   | Buy          |
| 12:40:16                   | R214             | On 01/11/2018 |                   | Bond Future | 1               | 700,000       | 0.00 Client   | Sell         |
| 12:40:16                   | R214             | On 01/11/2018 |                   | Bond Future | 1               | 3,100,000     | 0.00 Client   | Sell         |
| 15:42:18                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 8,400,000     | 0.00 Member   | Sell         |
| 15:42:18                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 8,400,000     | 0.00 Client   | Buy          |
| 15:42:18                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 8,400,000     | 0.00 Member   | Buy          |
| 15:42:18                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 10,600,000    | 0.00 Member   | Sell         |
| 15:42:18                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 10,600,000    | 0.00 Client   | Buy          |
| 15:42:18                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 10,600,000    | 0.00 Member   | Buy          |
| 15:42:19                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 10,000,000    | 0.00 Member   | Buy          |
| 5:42:19                    | R214             | On 07/02/2019 |                   | Bond Future | 1               | 19,500,000    | 0.00 Member   | Buy          |
| 5:42:19                    | R214             | On 07/02/2019 |                   | Bond Future | 1               | 6,300,000     | 0.00 Member   | Sell         |
| 5:42:19                    | R214             | On 07/02/2019 |                   | Bond Future | 1               | 6,300,000     | 0.00 Client   | Buy          |
| 5:42:19                    | R214             | On 07/02/2019 |                   | Bond Future | 1               | 10,000,000    | 0.00 Client   | Buy          |
| 5:42:19                    | R214             | On 07/02/2019 |                   | Bond Future | 1               | 10,000,000    | 0.00 Member   | Sell         |
| 15:42:19                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 19,500,000    | 0.00 Client   | Buy          |
| 15:42:19                   | R214             | On 07/02/2019 |                   | Bond Future | 1               | 19,500,000    | 0.00 Member   | Sell         |

| Matched<br>Time                 | Contract Details |               |  | Call/ Product<br>Put | No<br>of Trades | Nominal        | Trade<br>Type | Buy/<br>Sell |
|---------------------------------|------------------|---------------|--|----------------------|-----------------|----------------|---------------|--------------|
| 15:58:39                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Buy          |
| 15:58:39                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Sell         |
| 16:00:35                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Sell         |
| 16:00:35                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Buy          |
| 16:22:08                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Buy          |
| 16:22:08                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Sell         |
| 16:24:40                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Sell         |
| 16:24:40                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 10,600,000     | 0.00 Member   | Buy          |
| 16:58:59                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 800,000        | 0.00 Member   | Sell         |
| 16:58:59                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 800,000        | 0.00 Member   | Buy          |
| 16:58:59                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 800,000        | 0.00 Client   | Buy          |
| 16:58:59                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 4,600,000      | 0.00 Member   | Sell         |
| 16:58:59                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 4,600,000      | 0.00 Member   | Buy          |
| 16:58:59                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 4,600,000      | 0.00 Client   | Sell         |
| 16:58:59                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 5,200,000      | 0.00 Member   | Buy          |
| 16:58:59                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 5,200,000      | 0.00 Client   | Sell         |
| 16:58:59                        | R214             | On 01/11/2018 |  | Bond Future          | 1               | 800,000        | 0.00 Client   | Sell         |
| 16:58:59                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 5,200,000      | 0.00 Member   | Sell         |
| 16:58:59                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 5,200,000      | 0.00 Client   | Buy          |
| 16:58:59                        | R214             | On 07/02/2019 |  | Bond Future          | 1               | 4,600,000      | 0.00 Client   | Buy          |
| Total for R214 Bond Future      |                  |               |  |                      | 42              | 361,600,000    | 0.00          |              |
| Grand Total for all Instruments |                  |               |  |                      | 431             | 10,957,520,000 | 0.00          |              |