

| Broker | Transaction Date and Time | Volume | Price (GBP) | Platform | Transaction Reference Number |
|----------------------------|---------------------------|--------|-------------|----------|--|
| J.P. Morgan Securities plc | 24-Jul-2019 08:01:32 | 103 | 6030.0000 | XLON | 0150201500001251-E0epVZpA6Znz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:01:32 | 48 | 6030.0000 | XLON | 1150211500001243-E0epVZpA6Znx20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:01:32 | 122 | 6032.0000 | XLON | 0150201500001450-E0epVZpA6Znk20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:01:32 | 93 | 6030.0000 | XLON | 1150211500001243-E0epVZpA6Znv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:03:01 | 7 | 6026.0000 | XLON | 0150201500001963-E0epVZpA6c8U20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:03:01 | 132 | 6022.0000 | XLON | 1150211500001942-E0epVZpA6c8o20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:03:01 | 104 | 6026.0000 | XLON | 1150211500001967-E0epVZpA6c8W20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:03:01 | 106 | 6026.0000 | XLON | 0150201500001963-E0epVZpA6c8R20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:04:39 | 113 | 6028.0000 | XLON | 11502115000002567-E0epVZpA6f5L20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:04:42 | 108 | 6024.0000 | XLON | 01502015000002533-E0epVZpA6fCH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:06:41 | 88 | 6032.0000 | XLON | 01502015000003292-E0epVZpA6kkg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:06:41 | 58 | 6032.0000 | XLON | 01502015000003292-E0epVZpA6kge20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:06:41 | 112 | 6032.0000 | XLON | 01502015000003452-E0epVZpA6kkg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:06:41 | 11 | 6032.0000 | XLON | 01502015000003452-E0epVZpA6kgm20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:08:25 | 97 | 6040.0000 | XLON | 11502115000003921-E0epVZpA6oye20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:10:02 | 36 | 6038.0000 | XLON | 11502115000004514-E0epVZpA6suM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:10:02 | 86 | 6038.0000 | XLON | 11502115000004514-E0epVZpA6suP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:10:04 | 172 | 6036.0000 | XLON | 01502015000003857-E0epVZpA6szi20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:10:04 | 94 | 6036.0000 | XLON | 01502015000003779-E0epVZpA6szg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:12:20 | 5 | 6038.0000 | XLON | 11502115000005444-E0epVZpA6y1I20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:12:20 | 108 | 6038.0000 | XLON | 11502115000005444-E0epVZpA6y1j20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:12:20 | 148 | 6038.0000 | XLON | 11502115000005059-E0epVZpA6y1T20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:14:21 | 166 | 6042.0000 | XLON | 11502115000005997-E0epVZpA72M420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:15:06 | 152 | 6040.0000 | XLON | 01502015000005963-E0epVZpA745320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:17:18 | 113 | 6038.0000 | XLON | 01502015000007125-E0epVZpA79Yz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:17:18 | 100 | 6038.0000 | XLON | 11502115000007016-E0epVZpA79Yx20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:17:18 | 107 | 6038.0000 | XLON | 11502115000007118-E0epVZpA79Z120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:17:58 | 245 | 6038.0000 | XLON | 01502015000007380-E0epVZpA7Ahn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:18:03 | 101 | 6036.0000 | XLON | 01502015000006983-E0epVZpA7Aso20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:18:03 | 78 | 6036.0000 | XLON | 01502015000006983-E0epVZpA7Asq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:19:24 | 132 | 6028.0000 | XLON | 11502115000007863-E0epVZpA7DC220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:20:20 | 101 | 6024.0000 | XLON | 11502115000007367-E0epVZpA7EXk20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:21:01 | 29 | 6024.0000 | XLON | 01502015000008266-E0epVZpA7FdQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:21:01 | 154 | 6024.0000 | XLON | 01502015000008266-E0epVZpA7FdS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:22:41 | 24 | 6022.0000 | XLON | 01502015000008742-E0epVZpA7JTz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:22:41 | 21 | 6022.0000 | XLON | 01502015000008742-E0epVZpA7JTv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:22:41 | 75 | 6022.0000 | XLON | 01502015000008742-E0epVZpA7JTz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:14 | 94 | 6024.0000 | XLON | 01502015000010314-E0epVZpA7Rga20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:14 | 10 | 6024.0000 | XLON | 11502115000010336-E0epVZpA7RgT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:14 | 84 | 6024.0000 | XLON | 11502115000010336-E0epVZpA7RgV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:14 | 95 | 6024.0000 | XLON | 01502015000010313-E0epVZpA7Rg820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:15 | 5 | 6024.0000 | XLON | 01502015000010325-E0epVZpA7RhU20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:15 | 75 | 6024.0000 | XLON | 01502015000010325-E0epVZpA7RhS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:28:15 | 8 | 6024.0000 | XLON | 01502015000010325-E0epVZpA7RhW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:29:20 | 172 | 6024.0000 | XLON | 01502015000010499-E0epVZpA7TpC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:29:20 | 95 | 6024.0000 | XLON | 01502015000010713-E0epVZpA7TpG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:29:20 | 95 | 6024.0000 | XLON | 11502115000010654-E0epVZpA7TpE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:30:27 | 122 | 6018.0000 | XLON | 01502015000010732-E0epVZpA7Wf720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:00 | 230 | 6018.0000 | XLON | 11502115000011366-E0epVZpA7Xy220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:00 | 14 | 6018.0000 | XLON | 11502115000011366-E0epVZpA7Xy020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:00 | 26 | 6018.0000 | XLON | 11502115000011366-E0epVZpA7Xxy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:32 | 133 | 6018.0000 | XLON | 01502015000011420-E0epVZpA7Z4520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:32 | 48 | 6018.0000 | XLON | 01502015000011420-E0epVZpA7Z3z20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:32 | 75 | 6020.0000 | XLON | 11502115000011544-E0epVZpA7Z3j20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:32 | 25 | 6020.0000 | XLON | 11502115000011544-E0epVZpA7Z3l20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:31:32 | 84 | 6020.0000 | XLON | 11502115000011544-E0epVZpA7Z3r20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 24 | 6026.0000 | XLON | 11502115000014694-E0epVZpA7ktX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 20 | 6026.0000 | XLON | 01502015000014648-E0epVZpA7ktZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 55 | 6026.0000 | XLON | 11502115000014693-E0epVZpA7kti20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 15 | 6026.0000 | XLON | 11502115000014694-E0epVZpA7ktV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 20 | 6026.0000 | XLON | 11502115000014692-E0epVZpA7ktE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 75 | 6026.0000 | XLON | 01502015000014645-E0epVZpA7kt920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:45 | 75 | 6026.0000 | XLON | 11502115000014690-E0epVZpA7ksy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:38:46 | 75 | 6026.0000 | XLON | 11502115000014706-E0epVZpA7kwj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:04 | 95 | 6028.0000 | XLON | 11502115000015167-E0epVZpA7net20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:04 | 95 | 6028.0000 | XLON | 01502015000014971-E0epVZpA7neh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:04 | 95 | 6028.0000 | XLON | 11502115000015112-E0epVZpA7ner20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:04 | 41 | 6028.0000 | XLON | 01502015000015024-E0epVZpA7nep20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:04 | 54 | 6028.0000 | XLON | 01502015000015024-E0epVZpA7nel20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:04 | 80 | 6028.0000 | XLON | 01502015000015020-E0epVZpA7nej20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:40:14 | 132 | 6024.0000 | XLON | 11502115000015237-E0epVZpA7o3620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:41:02 | 130 | 6024.0000 | XLON | 01502015000015432-E0epVZpA7p9R20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:41:06 | 63 | 6024.0000 | XLON | 01502015000015432-E0epVZpA7pCt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:43:36 | 237 | 6020.0000 | XLON | 01502015000016052-E0epVZpA7s0e20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:43:36 | 77 | 6020.0000 | XLON | 11502115000016230-E0epVZpA7s0j20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:43:36 | 55 | 6020.0000 | XLON | 11502115000016230-E0epVZpA7s0g20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:44:22 | 21 | 6014.0000 | XLON | 01502015000016692-E0epVZpA7tES20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:45:03 | 113 | 6012.0000 | XLON | 01502015000016761-E0epVZpA7tya20190724 |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 24-Jul-2019 08:45:03 | 141 | 6014.0000 | XLON | 01502015000016844-E0epVZpA7txN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:46:06 | 145 | 6012.0000 | XLON | 11502115000017327-E0epVZpA7vNu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:47:42 | 38 | 6018.0000 | XLON | 01502015000017794-E0epVZpA7xcT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:47:42 | 37 | 6018.0000 | XLON | 01502015000017794-E0epVZpA7xcP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:47:42 | 75 | 6018.0000 | XLON | 01502015000017794-E0epVZpA7xcR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:47:42 | 44 | 6018.0000 | XLON | 01502015000017794-E0epVZpA7xcN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:49:25 | 218 | 6018.0000 | XLON | 01502015000018260-E0epVZpA80FH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:49:57 | 81 | 6014.0000 | XLON | 11502115000017417-E0epVZpA80j920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:49:57 | 32 | 6014.0000 | XLON | 11502115000017417-E0epVZpA80jB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:51:02 | 9 | 6014.0000 | XLON | 01502015000018863-E0epVZpA826M20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:51:02 | 126 | 6014.0000 | XLON | 01502015000018863-E0epVZpA825M20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:52:42 | 75 | 6016.0000 | XLON | 11502115000019453-E0epVZpA84De20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:52:42 | 35 | 6016.0000 | XLON | 11502115000019453-E0epVZpA84Dg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:54:22 | 44 | 6014.0000 | XLON | 01502015000019711-E0epVZpA86E420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:54:22 | 32 | 6014.0000 | XLON | 01502015000019711-E0epVZpA86E220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:55:31 | 12 | 6014.0000 | XLON | 11502115000019992-E0epVZpA87dE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:55:31 | 130 | 6014.0000 | XLON | 01502015000019780-E0epVZpA87dA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:55:31 | 108 | 6014.0000 | XLON | 11502115000019913-E0epVZpA87dC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 3 | 6016.0000 | XLON | 11502115000021253-E0epVZpA8CHE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 63 | 6016.0000 | XLON | 11502115000021253-E0epVZpA8CHA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 33 | 6016.0000 | XLON | 11502115000021253-E0epVZpA8CHC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 29 | 6016.0000 | XLON | 11502115000020733-E0epVZpA8CGx20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 7 | 6016.0000 | XLON | 11502115000020733-E0epVZpA8CH020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 180 | 6016.0000 | XLON | 11502115000020733-E0epVZpA8CH220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 44 | 6016.0000 | XLON | 11502115000020733-E0epVZpA8CH420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 94 | 6016.0000 | XLON | 01502015000021111-E0epVZpA8CH620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 08:59:14 | 99 | 6016.0000 | XLON | 01502015000021150-E0epVZpA8CH820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 98 | 6026.0000 | XLON | 01502015000022248-E0epVZpA8JNY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 100 | 6026.0000 | XLON | 11502115000022199-E0epVZpA8JNS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 8 | 6026.0000 | XLON | 11502115000022331-E0epVZpA8JNa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 97 | 6026.0000 | XLON | 01502015000022179-E0epVZpA8JNW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 95 | 6026.0000 | XLON | 11502115000022225-E0epVZpA8JNU20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 54 | 6026.0000 | XLON | 11502115000022195-E0epVZpA8JNO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:03:43 | 45 | 6026.0000 | XLON | 11502115000022195-E0epVZpA8JNQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:23 | 20 | 6026.0000 | XLON | 11502115000022547-E0epVZpA8LWZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:23 | 75 | 6026.0000 | XLON | 11502115000022547-E0epVZpA8LWP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:23 | 35 | 6026.0000 | XLON | 11502115000022547-E0epVZpA8LWT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:23 | 50 | 6026.0000 | XLON | 11502115000022547-E0epVZpA8LWR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:23 | 49 | 6026.0000 | XLON | 11502115000022547-E0epVZpA8LWV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:23 | 78 | 6026.0000 | XLON | 11502115000022547-E0epVZpA8LWX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:36 | 140 | 6022.0000 | XLON | 11502115000022342-E0epVZpA8Lt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:05:36 | 6 | 6022.0000 | XLON | 11502115000022342-E0epVZpA8Ltv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:06:02 | 75 | 6020.0000 | XLON | 01502015000022596-E0epVZpA8Mnn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:06:02 | 50 | 6020.0000 | XLON | 01502015000022596-E0epVZpA8Mnl20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:07:59 | 206 | 6018.0000 | XLON | 11502115000022943-E0epVZpA8POH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:07:59 | 98 | 6016.0000 | XLON | 01502015000022252-E0epVZpA8PP220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:10:05 | 131 | 6014.0000 | XLON | 11502115000023195-E0epVZpA8RYQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:10:42 | 139 | 6010.0000 | XLON | 01502015000023104-E0epVZpA8S9r20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:10:42 | 19 | 6010.0000 | XLON | 01502015000023104-E0epVZpA8SA120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:10:42 | 9 | 6010.0000 | XLON | 01502015000023104-E0epVZpA8S9w20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:13:04 | 112 | 6014.0000 | XLON | 11502115000023702-E0epVZpA8VXt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:13:54 | 143 | 6012.0000 | XLON | 11502115000023679-E0epVZpA8WNK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:14:22 | 75 | 6010.0000 | XLON | 01502015000024173-E0epVZpA8XGY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:14:22 | 50 | 6010.0000 | XLON | 01502015000024173-E0epVZpA8XGa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:15:23 | 164 | 6006.0000 | XLON | 11502115000024278-E0epVZpA8Yk320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:16:59 | 75 | 6006.0000 | XLON | 11502115000025215-E0epVZpA8aaA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:16:59 | 58 | 6006.0000 | XLON | 11502115000025215-E0epVZpA8aaC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:17:42 | 79 | 6004.0000 | XLON | 01502015000025367-E0epVZpA8bhA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:17:42 | 50 | 6004.0000 | XLON | 01502015000025367-E0epVZpA8bh820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:17:42 | 75 | 6004.0000 | XLON | 01502015000025367-E0epVZpA8bh620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:17:52 | 169 | 6002.0000 | XLON | 01502015000024752-E0epVZpA8btt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:20:08 | 104 | 6000.0000 | XLON | 11502115000026080-E0epVZpA8eaz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:20:08 | 9 | 6000.0000 | XLON | 11502115000026080-E0epVZpA8eaz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:20:08 | 113 | 6000.0000 | XLON | 11502115000026196-E0epVZpA8eb120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:21:05 | 25 | 5998.0000 | XLON | 11502115000026596-E0epVZpA8fVn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:21:05 | 75 | 5998.0000 | XLON | 11502115000026596-E0epVZpA8fVl20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:22:56 | 120 | 5994.0000 | XLON | 01502015000026498-E0epVZpA8iQX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:24:22 | 43 | 5996.0000 | XLON | 01502015000027473-E0epVZpA8kEw20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:24:22 | 40 | 5996.0000 | XLON | 01502015000027473-E0epVZpA8kEy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:24:22 | 75 | 5996.0000 | XLON | 01502015000027473-E0epVZpA8kEu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:26:02 | 75 | 5996.0000 | XLON | 01502015000028180-E0epVZpA8mcF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:26:02 | 50 | 5996.0000 | XLON | 01502015000028180-E0epVZpA8mch20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:26:02 | 55 | 5996.0000 | XLON | 01502015000028180-E0epVZpA8mcl20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:26:02 | 42 | 5996.0000 | XLON | 01502015000028180-E0epVZpA8mcJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:26:36 | 116 | 5994.0000 | XLON | 01502015000027041-E0epVZpA8n3I20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:27:42 | 31 | 5994.0000 | XLON | 01502015000028877-E0epVZpA8oBL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:27:42 | 75 | 5994.0000 | XLON | 01502015000028877-E0epVZpA8oBJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:29:36 | 116 | 5996.0000 | XLON | 01502015000029415-E0epVZpA8qRZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:30:09 | 183 | 5994.0000 | XLON | 11502115000029534-E0epVZpA8r4420190724 |

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| J.P. Morgan Securities plc | 24-Jul-2019 09:31:21 | 16 | 5996.0000 | XLON | 01502015000030188-E0epVZpA8sMf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:31:42 | 29 | 5996.0000 | XLON | 11502115000030423-E0epVZpA8sbC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:31:42 | 88 | 5996.0000 | XLON | 11502115000030423-E0epVZpA8sbF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:32:50 | 28 | 5996.0000 | XLON | 01502015000030588-E0epVZpA8tWA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:33:44 | 105 | 5996.0000 | XLON | 11502115000030993-E0epVZpA8ue620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:33:44 | 3 | 5996.0000 | XLON | 11502115000030993-E0epVZpA8ue920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:33:44 | 135 | 5996.0000 | XLON | 01502015000030588-E0epVZpA8ue220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:34:22 | 51 | 5994.0000 | XLON | 11502115000031351-E0epVZpA8vm920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:34:22 | 25 | 5994.0000 | XLON | 11502115000031351-E0epVZpA8vm720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:35:02 | 121 | 5992.0000 | XLON | 11502115000031376-E0epVZpA8wvu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:35:15 | 73 | 5988.0000 | XLON | 01502015000030281-E0epVZpA8xAh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:36:08 | 130 | 5990.0000 | XLON | 11502115000031949-E0epVZpA8yQo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:36:40 | 140 | 5986.0000 | XLON | 01502015000031832-E0epVZpA8zJj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:17 | 101 | 5986.0000 | XLON | 11502115000032633-E0epVZpA92YB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:17 | 2 | 5986.0000 | XLON | 11502115000032633-E0epVZpA92YG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:17 | 19 | 5986.0000 | XLON | 11502115000032928-E0epVZpA92YK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:17 | 19 | 5986.0000 | XLON | 11502115000032820-E0epVZpA92YI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:17 | 19 | 5986.0000 | XLON | 11502115000033188-E0epVZpA92Ya20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:17 | 75 | 5986.0000 | XLON | 11502115000033188-E0epVZpA92YY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:22 | 75 | 5984.0000 | XLON | 01502015000033117-E0epVZpA92dY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:22 | 50 | 5984.0000 | XLON | 01502015000033117-E0epVZpA92da20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:39:22 | 16 | 5984.0000 | XLON | 01502015000033117-E0epVZpA92dc20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:41:44 | 124 | 5986.0000 | XLON | 01502015000033857-E0epVZpA95C520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:41:44 | 3 | 5986.0000 | XLON | 01502015000033857-E0epVZpA95C320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:42:47 | 112 | 5986.0000 | XLON | 01502015000034198-E0epVZpA96nT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:43:39 | 147 | 5984.0000 | XLON | 01502015000033667-E0epVZpA97Z520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:45:06 | 17 | 5990.0000 | XLON | 11502115000035081-E0epVZpA99Ky20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:45:06 | 82 | 5990.0000 | XLON | 11502115000035081-E0epVZpA99Kw20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:45:18 | 114 | 5986.0000 | XLON | 11502115000034932-E0epVZpA99ZN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:45:18 | 35 | 5986.0000 | XLON | 11502115000034932-E0epVZpA99ZL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:46:21 | 28 | 5986.0000 | XLON | 01502015000035458-E0epVZpA9AmE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:46:21 | 75 | 5986.0000 | XLON | 01502015000035458-E0epVZpA9AmC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:47:42 | 11 | 5986.0000 | XLON | 11502115000036017-E0epVZpA9CYg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:47:42 | 75 | 5986.0000 | XLON | 11502115000036017-E0epVZpA9CYe20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:47:42 | 32 | 5986.0000 | XLON | 11502115000036017-E0epVZpA9CYc20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:49:22 | 50 | 5986.0000 | XLON | 01502015000036601-E0epVZpA9ErM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:49:22 | 50 | 5986.0000 | XLON | 01502015000036601-E0epVZpA9ErO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:49:22 | 75 | 5986.0000 | XLON | 01502015000036601-E0epVZpA9ErK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:51:21 | 14 | 5986.0000 | XLON | 11502115000037302-E0epVZpA9Gcq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:51:21 | 50 | 5986.0000 | XLON | 11502115000037302-E0epVZpA9Gcm20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:51:21 | 75 | 5986.0000 | XLON | 11502115000037302-E0epVZpA9Gco20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:51:35 | 141 | 5984.0000 | XLON | 01502015000035313-E0epVZpA9GrR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:52:42 | 75 | 5986.0000 | XLON | 11502115000037747-E0epVZpA9Hgn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:52:42 | 28 | 5986.0000 | XLON | 11502115000037747-E0epVZpA9Hgp20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:52:42 | 50 | 5986.0000 | XLON | 11502115000037747-E0epVZpA9Hgl20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:54:22 | 50 | 5982.0000 | XLON | 11502115000038383-E0epVZpA9JZn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:54:22 | 66 | 5982.0000 | XLON | 11502115000038383-E0epVZpA9JZp20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:54:31 | 133 | 5980.0000 | XLON | 01502015000037086-E0epVZpA9Jh320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:56:21 | 50 | 5980.0000 | XLON | 11502115000039106-E0epVZpA9Lci20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:56:21 | 75 | 5980.0000 | XLON | 11502115000039106-E0epVZpA9Lcg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 09:56:21 | 33 | 5980.0000 | XLON | 11502115000039106-E0epVZpA9Lck20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:00:02 | 101 | 5984.0000 | XLON | 01502015000040182-E0epVZpA9QLS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:00:02 | 88 | 5984.0000 | XLON | 01502015000040182-E0epVZpA9QLO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:00:02 | 20 | 5984.0000 | XLON | 01502015000040182-E0epVZpA9QLQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:01:02 | 50 | 5984.0000 | XLON | 11502115000040736-E0epVZpA9RJ420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:01:02 | 75 | 5984.0000 | XLON | 11502115000040736-E0epVZpA9RJ220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:01:02 | 64 | 5984.0000 | XLON | 11502115000040736-E0epVZpA9RJ620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:02:42 | 75 | 5984.0000 | XLON | 01502015000041290-E0epVZpA9SiQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:02:42 | 65 | 5984.0000 | XLON | 01502015000041290-E0epVZpA9SiU20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:02:42 | 50 | 5984.0000 | XLON | 01502015000041290-E0epVZpA9SiS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:02:42 | 13 | 5984.0000 | XLON | 01502015000041290-E0epVZpA9SiW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:04:15 | 107 | 5982.0000 | XLON | 11502115000040207-E0epVZpA9U6e20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:04:15 | 102 | 5982.0000 | XLON | 11502115000040207-E0epVZpA9U6a20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:06:11 | 6 | 5982.0000 | XLON | 11502115000042250-E0epVZpA9Vwg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:06:11 | 9 | 5982.0000 | XLON | 01502015000041998-E0epVZpA9VwZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:06:11 | 94 | 5982.0000 | XLON | 11502115000042250-E0epVZpA9Vwb20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:06:11 | 51 | 5982.0000 | XLON | 01502015000042204-E0epVZpA9Vwi20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:06:11 | 21 | 5982.0000 | XLON | 01502015000041889-E0epVZpA9VwX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:06:11 | 110 | 5982.0000 | XLON | 11502115000041777-E0epVZpA9VwV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:07:42 | 50 | 5984.0000 | XLON | 01502015000042783-E0epVZpA9Y0h20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:07:42 | 6 | 5984.0000 | XLON | 01502015000042783-E0epVZpA9Y0i20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:07:42 | 60 | 5984.0000 | XLON | 01502015000042783-E0epVZpA9Y0j20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:09:22 | 66 | 5984.0000 | XLON | 11502115000043410-E0epVZpA9ZYd20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:09:22 | 75 | 5984.0000 | XLON | 11502115000043410-E0epVZpA9ZYh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:09:22 | 50 | 5984.0000 | XLON | 11502115000043410-E0epVZpA9ZYf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:11:20 | 129 | 5982.0000 | XLON | 11502115000043987-E0epVZpA9bBc20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:12:42 | 52 | 5982.0000 | XLON | 11502115000044658-E0epVZpA9cdB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:12:42 | 74 | 5982.0000 | XLON | 11502115000044658-E0epVZpA9cd920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:14:22 | 75 | 5982.0000 | XLON | 11502115000045072-E0epVZpA9dzf20190724 |

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| J.P. Morgan Securities plc | 24-Jul-2019 10:14:22 | 50 | 5982.0000 | XLON | 11502115000045072-E0epVZpA9dzh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:14:22 | 71 | 5982.0000 | XLON | 11502115000045072-E0epVZpA9dzj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:16:02 | 13 | 5984.0000 | XLON | 01502015000045317-E0epVZpA9fVY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:16:02 | 99 | 5984.0000 | XLON | 01502015000045317-E0epVZpA9fVc20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:16:02 | 52 | 5984.0000 | XLON | 01502015000045317-E0epVZpA9fVa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:17:42 | 76 | 5988.0000 | XLON | 11502115000045978-E0epVZpA9gp820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:17:42 | 27 | 5988.0000 | XLON | 11502115000045978-E0epVZpA9gpC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:17:42 | 50 | 5988.0000 | XLON | 11502115000045978-E0epVZpA9gpA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:17:42 | 75 | 5988.0000 | XLON | 11502115000045978-E0epVZpA9gp620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 75 | 5992.0000 | XLON | 11502115000048216-E0epVZpA9mmJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 25 | 5992.0000 | XLON | 01502015000048126-E0epVZpA9mpd20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 14 | 5992.0000 | XLON | 01502015000048126-E0epVZpA9mpa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 39 | 5992.0000 | XLON | 11502115000048216-E0epVZpA9mpY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 122 | 5992.0000 | XLON | 01502015000048126-E0epVZpA9mpf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 186 | 5992.0000 | XLON | 11502115000048216-E0epVZpA9mpH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:25:01 | 147 | 5992.0000 | XLON | 11502115000048216-E0epVZpA9mpQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:26:02 | 114 | 5992.0000 | XLON | 01502015000048436-E0epVZpA9nfR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:26:02 | 75 | 5992.0000 | XLON | 01502015000048436-E0epVZpA9nfP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:28:01 | 104 | 5994.0000 | XLON | 01502015000049059-E0epVZpA9pMI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:28:01 | 58 | 5994.0000 | XLON | 01502015000049059-E0epVZpA9pMn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:28:01 | 50 | 5994.0000 | XLON | 01502015000049059-E0epVZpA9pMj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:29:13 | 137 | 5992.0000 | XLON | 11502115000049112-E0epVZpA9q9E20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:29:13 | 59 | 5992.0000 | XLON | 11502115000049112-E0epVZpA9q9G20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:29:50 | 50 | 5996.0000 | XLON | 11502115000049680-E0epVZpA9rFH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:29:50 | 4 | 5996.0000 | XLON | 11502115000049680-E0epVZpA9rFJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:29:50 | 75 | 5996.0000 | XLON | 11502115000049680-E0epVZpA9rFF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:30:15 | 136 | 5994.0000 | XLON | 01502015000049458-E0epVZpA9rVK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:30:15 | 23 | 5994.0000 | XLON | 01502015000049458-E0epVZpA9rVM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:31:40 | 11 | 5990.0000 | XLON | 11502115000050026-E0epVZpA9t0P20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:31:40 | 58 | 5990.0000 | XLON | 11502115000050026-E0epVZpA9t0R20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 1 | 5992.0000 | XLON | 01502015000053284-E0epVZpAA0JK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 45 | 5992.0000 | XLON | 01502015000053284-E0epVZpAA0JN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 180 | 5992.0000 | XLON | 11502115000053393-E0epVZpAA0JC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 24 | 5992.0000 | XLON | 11502115000053367-E0epVZpAA0J820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 95 | 5992.0000 | XLON | 01502015000053214-E0epVZpAA0J320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 5 | 5992.0000 | XLON | 11502115000053367-E0epVZpAA0J520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 101 | 5992.0000 | XLON | 01502015000053285-E0epVZpAA0JP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 101 | 5992.0000 | XLON | 01502015000053270-E0epVZpAA0JG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 172 | 5992.0000 | XLON | 01502015000053275-E0epVZpAA0JI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 27 | 5992.0000 | XLON | 11502115000053393-E0epVZpAA0JE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:40:08 | 96 | 5992.0000 | XLON | 01502015000053245-E0epVZpAA0JA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 1 | 5994.0000 | XLON | 01502015000055613-E0epVZpAA59y20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 103 | 5994.0000 | XLON | 11502115000055747-E0epVZpAA5AL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 81 | 5994.0000 | XLON | 01502015000055638-E0epVZpAA5AE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 112 | 5994.0000 | XLON | 11502115000055721-E0epVZpAA59w20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 9 | 5994.0000 | XLON | 01502015000055638-E0epVZpAA5AJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 222 | 5994.0000 | XLON | 11502115000055061-E0epVZpAA59p20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 80 | 5994.0000 | XLON | 01502015000054941-E0epVZpAA59u20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 7 | 5994.0000 | XLON | 11502115000055061-E0epVZpAA59s20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 8 | 5994.0000 | XLON | 01502015000055638-E0epVZpAA5A420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 15 | 5994.0000 | XLON | 01502015000055638-E0epVZpAA5AC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 20 | 5994.0000 | XLON | 11502115000055743-E0epVZpAA5A220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:45:37 | 13 | 5994.0000 | XLON | 01502015000055624-E0epVZpAA5A020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:50:36 | 98 | 6002.0000 | XLON | 11502115000057246-E0epVZpAA9pj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:50:36 | 75 | 6002.0000 | XLON | 11502115000057246-E0epVZpAA9pl20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:51:02 | 149 | 6002.0000 | XLON | 01502015000057256-E0epVZpAAAEv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:53:38 | 128 | 6002.0000 | XLON | 11502115000058016-E0epVZpAACsH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:53:38 | 160 | 6002.0000 | XLON | 11502115000058013-E0epVZpAACsD20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:53:38 | 2 | 6002.0000 | XLON | 01502015000057905-E0epVZpAACsF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:53:38 | 154 | 6002.0000 | XLON | 11502115000058097-E0epVZpAACsN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:53:38 | 58 | 6002.0000 | XLON | 11502115000058097-E0epVZpAACsL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:55:18 | 75 | 6002.0000 | XLON | 01502015000058288-E0epVZpAADuW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:57:35 | 176 | 5998.0000 | XLON | 11502115000058402-E0epVZpAAFRj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:57:35 | 117 | 6000.0000 | XLON | 01502015000059047-E0epVZpAAFRt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:57:35 | 22 | 6000.0000 | XLON | 11502115000058703-E0epVZpAAFRM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:57:35 | 117 | 6000.0000 | XLON | 11502115000058668-E0epVZpAAFRK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:58:15 | 44 | 6002.0000 | XLON | 01502015000059250-E0epVZpAAGqs20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:58:15 | 50 | 6002.0000 | XLON | 01502015000059250-E0epVZpAAGqq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:59:23 | 17 | 6004.0000 | XLON | 11502115000059723-E0epVZpAAHuW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:59:23 | 49 | 6004.0000 | XLON | 11502115000059723-E0epVZpAAHuU20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 10:59:23 | 75 | 6004.0000 | XLON | 11502115000059723-E0epVZpAAHuS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:00:45 | 95 | 6002.0000 | XLON | 01502015000059406-E0epVZpAAJP620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:00:46 | 94 | 5998.0000 | XLON | 01502015000059220-E0epVZpAAJat20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:03:59 | 75 | 6004.0000 | XLON | 01502015000060899-E0epVZpAANsf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:03:59 | 38 | 6004.0000 | XLON | 01502015000060899-E0epVZpAANsh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:04:23 | 58 | 6004.0000 | XLON | 11502115000061110-E0epVZpAAOQh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:04:23 | 34 | 6004.0000 | XLON | 11502115000061110-E0epVZpAAOQf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:04:23 | 27 | 6004.0000 | XLON | 11502115000061110-E0epVZpAAOQj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:04:55 | 94 | 6002.0000 | XLON | 11502115000060908-E0epVZpAAOkq20190724 |

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| J.P. Morgan Securities plc | 24-Jul-2019 11:06:03 | 61 | 6000.0000 | XLON | 01502015000061415-E0epVZpAAPeI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:06:03 | 15 | 6000.0000 | XLON | 01502015000061415-E0epVZpAAPeK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:09:21 | 101 | 6000.0000 | XLON | 11502115000062155-E0epVZpAASfG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:09:21 | 22 | 6000.0000 | XLON | 11502115000061897-E0epVZpAASf920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:09:21 | 99 | 6000.0000 | XLON | 11502115000061897-E0epVZpAASfC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:09:21 | 10 | 6000.0000 | XLON | 01502015000061885-E0epVZpAASfE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:10:28 | 103 | 6000.0000 | XLON | 11502115000062347-E0epVZpAATtj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:10:28 | 125 | 6000.0000 | XLON | 11502115000062283-E0epVZpAATth20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:12:20 | 91 | 6000.0000 | XLON | 11502115000062529-E0epVZpAAV8k20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:12:20 | 4 | 6000.0000 | XLON | 11502115000062529-E0epVZpAAV8m20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:12:20 | 122 | 6000.0000 | XLON | 11502115000062576-E0epVZpAAV8o20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:12:20 | 37 | 6000.0000 | XLON | 01502015000062557-E0epVZpAAV8q20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 30 | 6000.0000 | XLON | 11502115000064584-E0epVZpAAZhH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 103 | 6000.0000 | XLON | 11502115000063858-E0epVZpAAZgI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 30 | 6000.0000 | XLON | 11502115000064428-E0epVZpAAZgW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 60 | 6000.0000 | XLON | 11502115000064584-E0epVZpAAZgn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 80 | 6000.0000 | XLON | 11502115000064584-E0epVZpAAZgp20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 10 | 6000.0000 | XLON | 01502015000063852-E0epVZpAAZgN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:18:20 | 62 | 6000.0000 | XLON | 11502115000063965-E0epVZpAAZgP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:20:00 | 26 | 6000.0000 | XLON | 01502015000064964-E0epVZpAAaSR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:20:00 | 153 | 6000.0000 | XLON | 01502015000064964-E0epVZpAAaSP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:23:05 | 20 | 6004.0000 | XLON | 11502115000066091-E0epVZpAAcgN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:23:05 | 75 | 6004.0000 | XLON | 11502115000066091-E0epVZpAAcgH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:23:05 | 50 | 6004.0000 | XLON | 11502115000066091-E0epVZpAAcgL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:23:05 | 58 | 6004.0000 | XLON | 11502115000066091-E0epVZpAAcgJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:24:23 | 50 | 6004.0000 | XLON | 01502015000066424-E0epVZpAAdSY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:24:23 | 42 | 6004.0000 | XLON | 01502015000066424-E0epVZpAAdSa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:24:23 | 74 | 6004.0000 | XLON | 01502015000066424-E0epVZpAAdSW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:26:03 | 75 | 6004.0000 | XLON | 11502115000066930-E0epVZpAAej320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:26:03 | 76 | 6004.0000 | XLON | 11502115000066930-E0epVZpAAej520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:27:43 | 50 | 6004.0000 | XLON | 01502015000067202-E0epVZpAAfvM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:27:43 | 73 | 6004.0000 | XLON | 01502015000067202-E0epVZpAAfvO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:27:43 | 58 | 6004.0000 | XLON | 01502015000067202-E0epVZpAAfvK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:29:23 | 33 | 6004.0000 | XLON | 11502115000067604-E0epVZpAAhAe20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:29:23 | 38 | 6004.0000 | XLON | 11502115000067604-E0epVZpAAhAc20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:29:23 | 79 | 6004.0000 | XLON | 11502115000067604-E0epVZpAAhAa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:31:03 | 48 | 6004.0000 | XLON | 01502015000067924-E0epVZpAAifZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:31:03 | 50 | 6004.0000 | XLON | 01502015000067924-E0epVZpAAifb20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:31:03 | 54 | 6004.0000 | XLON | 01502015000067924-E0epVZpAAifd20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:32:43 | 37 | 6004.0000 | XLON | 11502115000068315-E0epVZpAAjog20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:32:43 | 132 | 6004.0000 | XLON | 11502115000068315-E0epVZpAAjoi20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:36:43 | 115 | 6006.0000 | XLON | 11502115000069294-E0epVZpAAmqj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:36:43 | 114 | 6006.0000 | XLON | 11502115000069294-E0epVZpAAmqI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:38:24 | 52 | 6006.0000 | XLON | 11502115000069722-E0epVZpAAoah20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:38:24 | 38 | 6006.0000 | XLON | 01502015000069650-E0epVZpAAoad20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:38:24 | 188 | 6006.0000 | XLON | 11502115000069713-E0epVZpAAoab20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:38:24 | 178 | 6006.0000 | XLON | 01502015000069655-E0epVZpAAoaf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:38:27 | 131 | 6004.0000 | XLON | 01502015000069610-E0epVZpAAocC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:41:14 | 117 | 6006.0000 | XLON | 01502015000070228-E0epVZpAArF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:41:14 | 117 | 6006.0000 | XLON | 01502015000070468-E0epVZpAArJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:41:14 | 15 | 6006.0000 | XLON | 01502015000070228-E0epVZpAArH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 125 | 6006.0000 | XLON | 11502115000073110-E0epVZpAB0kM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 36 | 6006.0000 | XLON | 01502015000072996-E0epVZpAB0k120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 30 | 6006.0000 | XLON | 01502015000074694-E0epVZpAB0kn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 67 | 6006.0000 | XLON | 01502015000072996-E0epVZpAB0kK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 33 | 6006.0000 | XLON | 01502015000074694-E0epVZpAB0kQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 31 | 6006.0000 | XLON | 01502015000074694-E0epVZpAB0ki20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:51:09 | 120 | 6006.0000 | XLON | 11502115000073117-E0epVZpAB0kO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:52:13 | 85 | 6008.0000 | XLON | 01502015000075092-E0epVZpAB1V420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:52:13 | 75 | 6008.0000 | XLON | 01502015000075092-E0epVZpAB1V220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:52:56 | 64 | 6008.0000 | XLON | 01502015000075287-E0epVZpAB1wo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:52:56 | 75 | 6008.0000 | XLON | 01502015000075287-E0epVZpAB1wm20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:53:41 | 73 | 6006.0000 | XLON | 01502015000075015-E0epVZpAB2ff20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:53:41 | 219 | 6006.0000 | XLON | 01502015000075011-E0epVZpAB2fd20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 31 | 6006.0000 | XLON | 11502115000076326-E0epVZpAB5MO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 53 | 6006.0000 | XLON | 11502115000076541-E0epVZpAB5MS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 123 | 6006.0000 | XLON | 01502015000075734-E0epVZpAB5ME20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 11 | 6006.0000 | XLON | 01502015000075958-E0epVZpAB5MM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 14 | 6006.0000 | XLON | 01502015000076358-E0epVZpAB5MQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 34 | 6006.0000 | XLON | 01502015000075769-E0epVZpAB5MG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:56:52 | 112 | 6006.0000 | XLON | 11502115000075943-E0epVZpAB5MK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:59:11 | 1 | 6004.0000 | XLON | 01502015000077048-E0epVZpAB7WC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:59:11 | 69 | 6004.0000 | XLON | 11502115000076941-E0epVZpAB7W820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:59:11 | 28 | 6004.0000 | XLON | 11502115000076941-E0epVZpAB7W620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:59:11 | 116 | 6004.0000 | XLON | 01502015000076697-E0epVZpAB7Vy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 11:59:11 | 10 | 6004.0000 | XLON | 01502015000076947-E0epVZpAB7WA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:02:55 | 15 | 6002.0000 | XLON | 11502115000078966-E0epVZpABDLT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:02:55 | 170 | 6002.0000 | XLON | 01502015000078637-E0epVZpABDLP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:02:55 | 170 | 6002.0000 | XLON | 11502115000078711-E0epVZpABDLN20190724 |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 24-Jul-2019 12:04:58 | 134 | 6002.0000 | XLON | 11502115000079698-E0epVZpABFBe20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:06:12 | 33 | 6006.0000 | XLON | 01502015000080150-E0epVZpABGI220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:06:12 | 75 | 6006.0000 | XLON | 01502015000080150-E0epVZpABGI020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:08:00 | 49 | 6008.0000 | XLON | 11502115000080762-E0epVZpABI2S20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:09:59 | 75 | 6012.0000 | XLON | 11502115000081257-E0epVZpABlyD20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:09:59 | 49 | 6012.0000 | XLON | 11502115000081257-E0epVZpABlyF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:09:59 | 46 | 6012.0000 | XLON | 11502115000081257-E0epVZpABlyB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:10:02 | 170 | 6010.0000 | XLON | 11502115000081124-E0epVZpABJ0520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:11:25 | 67 | 6012.0000 | XLON | 11502115000081782-E0epVZpABJyy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:11:25 | 46 | 6012.0000 | XLON | 11502115000081782-E0epVZpABJz020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:11:25 | 25 | 6012.0000 | XLON | 11502115000081782-E0epVZpABJz220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:12:37 | 75 | 6016.0000 | XLON | 11502115000082398-E0epVZpABLLs20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:12:43 | 117 | 6014.0000 | XLON | 01502015000082330-E0epVZpABLXv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:12:43 | 144 | 6010.0000 | XLON | 01502015000082193-E0epVZpABLvL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:15:15 | 95 | 6010.0000 | XLON | 01502015000082931-E0epVZpABQBb20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:17:59 | 40 | 6008.0000 | XLON | 11502115000083937-E0epVZpABStz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:17:59 | 103 | 6008.0000 | XLON | 01502015000082920-E0epVZpABStt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:17:59 | 28 | 6008.0000 | XLON | 01502015000083740-E0epVZpABStv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:17:59 | 134 | 6008.0000 | XLON | 01502015000083817-E0epVZpABStx20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:20:48 | 1 | 6006.0000 | XLON | 01502015000084692-E0epVZpABVCJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:20:50 | 22 | 6006.0000 | XLON | 01502015000084692-E0epVZpABVDE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:20:50 | 4 | 6006.0000 | XLON | 01502015000084692-E0epVZpABVDA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:20:50 | 112 | 6006.0000 | XLON | 01502015000084692-E0epVZpABVDC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:22:06 | 1 | 6004.0000 | XLON | 01502015000084242-E0epVZpABWJB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:22:34 | 131 | 6004.0000 | XLON | 01502015000084242-E0epVZpABWcU20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:25:12 | 100 | 6000.0000 | XLON | 01502015000084189-E0epVZpABZ8420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:25:12 | 157 | 5998.0000 | XLON | 11502115000085097-E0epVZpABZ8Y20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:25:12 | 13 | 6000.0000 | XLON | 01502015000084189-E0epVZpABZ8920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:28:13 | 45 | 6004.0000 | XLON | 11502115000086896-E0epVZpAbc1Z20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:28:13 | 67 | 6004.0000 | XLON | 11502115000086896-E0epVZpAbc1X20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:28:13 | 47 | 6004.0000 | XLON | 11502115000086896-E0epVZpAbc1b20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:28:13 | 33 | 6004.0000 | XLON | 11502115000086896-E0epVZpAbc1d20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:29:00 | 121 | 6002.0000 | XLON | 11502115000086478-E0epVZpAbcYr20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:29:00 | 3 | 6002.0000 | XLON | 11502115000086478-E0epVZpAbcYn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:30:22 | 155 | 5998.0000 | XLON | 01502015000087573-E0epVZpABeGX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:32:45 | 142 | 6000.0000 | XLON | 11502115000087970-E0epVZpABgUa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:32:45 | 134 | 6002.0000 | XLON | 01502015000088104-E0epVZpABgU020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:32:45 | 199 | 6002.0000 | XLON | 01502015000088406-E0epVZpABgU220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:34:43 | 132 | 5990.0000 | XLON | 01502015000088759-E0epVZpABhsL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:34:43 | 132 | 5992.0000 | XLON | 11502115000088842-E0epVZpABhs120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:37:56 | 94 | 5986.0000 | XLON | 01502015000089157-E0epVZpABkbl20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:37:56 | 126 | 5988.0000 | XLON | 01502015000089835-E0epVZpABkb920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:40:01 | 13 | 5986.0000 | XLON | 11502115000090350-E0epVZpABmS620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:40:27 | 12 | 5990.0000 | XLON | 01502015000090736-E0epVZpABn8k20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:41:19 | 58 | 5990.0000 | XLON | 11502115000090980-E0epVZpABnxX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:41:19 | 85 | 5990.0000 | XLON | 01502015000090736-E0epVZpABnxV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:41:19 | 127 | 5990.0000 | XLON | 11502115000090980-E0epVZpABnxa20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:42:30 | 108 | 5990.0000 | XLON | 11502115000091279-E0epVZpABolY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:42:30 | 11 | 5990.0000 | XLON | 11502115000091279-E0epVZpABolb20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:42:30 | 3 | 5990.0000 | XLON | 11502115000091279-E0epVZpABolf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:42:30 | 11 | 5990.0000 | XLON | 11502115000091279-E0epVZpABold20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:38 | 145 | 5990.0000 | XLON | 01502015000092481-E0epVZpABqxV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:38 | 19 | 5990.0000 | XLON | 01502015000092481-E0epVZpABqxY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:41 | 6 | 5988.0000 | XLON | 11502115000091264-E0epVZpABr1t20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:41 | 24 | 5988.0000 | XLON | 11502115000091264-E0epVZpABr2220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:41 | 42 | 5988.0000 | XLON | 11502115000091264-E0epVZpABr1v20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:41 | 50 | 5988.0000 | XLON | 11502115000091264-E0epVZpABr1q20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:41 | 75 | 5990.0000 | XLON | 11502115000092568-E0epVZpABr1O20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:45:41 | 50 | 5990.0000 | XLON | 11502115000092568-E0epVZpABr1M20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:47:34 | 105 | 5986.0000 | XLON | 11502115000092991-E0epVZpABsMh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:49:19 | 128 | 5986.0000 | XLON | 11502115000093505-E0epVZpABtju20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:52:40 | 70 | 5988.0000 | XLON | 01502015000094689-E0epVZpABwGo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:52:40 | 58 | 5988.0000 | XLON | 01502015000094689-E0epVZpABwGs20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:52:40 | 27 | 5988.0000 | XLON | 01502015000094689-E0epVZpABwGq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:52:40 | 10 | 5988.0000 | XLON | 01502015000094689-E0epVZpABwGu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:54:01 | 98 | 5988.0000 | XLON | 01502015000095104-E0epVZpABxGL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:54:01 | 15 | 5988.0000 | XLON | 01502015000095104-E0epVZpABxGN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:54:19 | 151 | 5986.0000 | XLON | 01502015000094087-E0epVZpABxQ720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:55:41 | 80 | 5986.0000 | XLON | 11502115000095531-E0epVZpAByUh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:57:21 | 45 | 5986.0000 | XLON | 11502115000095901-E0epVZpABzm320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:57:21 | 72 | 5986.0000 | XLON | 11502115000095901-E0epVZpABzm120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 12:57:29 | 132 | 5984.0000 | XLON | 01502015000092917-E0epVZpABzq720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:00:04 | 138 | 5982.0000 | XLON | 01502015000095480-E0epVZpAC1Zk20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:01:31 | 42 | 5980.0000 | XLON | 01502015000096139-E0epVZpAC2fP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:02:05 | 150 | 5978.0000 | XLON | 11502115000096291-E0epVZpAC37620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:02:05 | 77 | 5980.0000 | XLON | 01502015000096139-E0epVZpAC36I20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:02:08 | 136 | 5976.0000 | XLON | 01502015000096897-E0epVZpAC3Ph20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:04:20 | 77 | 5978.0000 | XLON | 11502115000098140-E0epVZpAC5qg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:06:19 | 57 | 5980.0000 | XLON | 11502115000098624-E0epVZpAC7ti20190724 |

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| J.P. Morgan Securities plc | 24-Jul-2019 13:06:19 | 80 | 5980.0000 | XLON | 11502115000098624-E0epVZpAC7tk20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:06:19 | 67 | 5980.0000 | XLON | 11502115000098624-E0epVZpAC7te20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:06:19 | 21 | 5980.0000 | XLON | 11502115000098624-E0epVZpAC7tg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:07:40 | 89 | 5980.0000 | XLON | 01502015000099075-E0epVZpAC9BQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:07:40 | 165 | 5978.0000 | XLON | 01502015000098443-E0epVZpAC9Bn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:07:40 | 67 | 5980.0000 | XLON | 01502015000099075-E0epVZpAC9BS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:09:33 | 124 | 5980.0000 | XLON | 11502115000099452-E0epVZpACAqu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:09:58 | 124 | 5978.0000 | XLON | 01502015000099397-E0epVZpACBAf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:11:00 | 83 | 5976.0000 | XLON | 01502015000099803-E0epVZpACBxK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:11:00 | 28 | 5976.0000 | XLON | 01502015000099803-E0epVZpACBxM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:12:21 | 89 | 5976.0000 | XLON | 11502115000100301-E0epVZpACCxq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:14:01 | 153 | 5976.0000 | XLON | 11502115000100733-E0epVZpACE3O20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:14:01 | 16 | 5976.0000 | XLON | 11502115000100733-E0epVZpACE3M20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:16:00 | 50 | 5976.0000 | XLON | 01502015000101543-E0epVZpACFcA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:16:57 | 139 | 5974.0000 | XLON | 11502115000099761-E0epVZpACGOq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:18:18 | 27 | 5974.0000 | XLON | 01502015000102093-E0epVZpACHo120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:18:18 | 40 | 5974.0000 | XLON | 01502015000102093-E0epVZpACHo320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:18:18 | 77 | 5974.0000 | XLON | 01502015000102093-E0epVZpACHnz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:19:14 | 158 | 5974.0000 | XLON | 11502115000102341-E0epVZpAClav20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:20:49 | 87 | 5974.0000 | XLON | 01502015000102893-E0epVZpACK2h20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:21:30 | 107 | 5972.0000 | XLON | 01502015000099648-E0epVZpACKWE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:22:59 | 82 | 5972.0000 | XLON | 01502015000103750-E0epVZpACLE220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:22:59 | 56 | 5972.0000 | XLON | 01502015000103750-E0epVZpACLE420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:22:59 | 75 | 5972.0000 | XLON | 01502015000103750-E0epVZpACLE020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:23:47 | 134 | 5970.0000 | XLON | 11502115000101709-E0epVZpACM6T20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:25:35 | 104 | 5968.0000 | XLON | 01502015000103062-E0epVZpACNte20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:25:41 | 131 | 5966.0000 | XLON | 01502015000104146-E0epVZpACO1Y20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:26:48 | 65 | 5964.0000 | XLON | 11502115000104155-E0epVZpACPFE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:26:48 | 77 | 5964.0000 | XLON | 11502115000104155-E0epVZpACPFM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:27:38 | 108 | 5966.0000 | XLON | 01502015000105308-E0epVZpACQPf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:28:15 | 108 | 5964.0000 | XLON | 11502115000105257-E0epVZpACQzP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:28:27 | 112 | 5962.0000 | XLON | 01502015000104803-E0epVZpACREK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:29:15 | 113 | 5958.0000 | XLON | 11502115000105717-E0epVZpACS9a20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:32:55 | 95 | 5958.0000 | XLON | 01502015000106522-E0epVZpACW0420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:32:55 | 95 | 5958.0000 | XLON | 11502115000106427-E0epVZpACW0220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:32:55 | 162 | 5960.0000 | XLON | 01502015000106552-E0epVZpACVzi20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:32:55 | 160 | 5964.0000 | XLON | 01502015000106956-E0epVZpACVzL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:34:49 | 113 | 5954.0000 | XLON | 11502115000107355-E0epVZpACXnX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:34:49 | 94 | 5952.0000 | XLON | 01502015000107330-E0epVZpACXo420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:35:46 | 113 | 5948.0000 | XLON | 11502115000107883-E0epVZpACYfM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:37:49 | 94 | 5948.0000 | XLON | 11502115000108451-E0epVZpACaQi20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:37:51 | 113 | 5946.0000 | XLON | 01502015000107596-E0epVZpACaU920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:39:48 | 41 | 5946.0000 | XLON | 01502015000108919-E0epVZpACcCM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:39:48 | 21 | 5946.0000 | XLON | 01502015000108919-E0epVZpACcCI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:39:48 | 32 | 5946.0000 | XLON | 01502015000108919-E0epVZpACcCK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:40:02 | 50 | 5944.0000 | XLON | 01502015000108814-E0epVZpACcaV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:40:02 | 53 | 5944.0000 | XLON | 01502015000108814-E0epVZpACcaT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:44:06 | 173 | 5948.0000 | XLON | 11502115000110709-E0epVZpACfpE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:45:58 | 33 | 5950.0000 | XLON | 01502015000111284-E0epVZpACH4I20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:45:58 | 157 | 5950.0000 | XLON | 01502015000111284-E0epVZpACH4F20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:48:09 | 65 | 5956.0000 | XLON | 11502115000112195-E0epVZpACiR820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:48:09 | 31 | 5956.0000 | XLON | 11502115000112195-E0epVZpACiRC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:48:09 | 72 | 5956.0000 | XLON | 11502115000112195-E0epVZpACiRA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:49:34 | 12 | 5956.0000 | XLON | 11502115000112534-E0epVZpACjXE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:49:34 | 65 | 5956.0000 | XLON | 11502115000112534-E0epVZpACjXC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:49:34 | 75 | 5956.0000 | XLON | 11502115000112534-E0epVZpACjXA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:49:34 | 14 | 5956.0000 | XLON | 11502115000112534-E0epVZpACjX820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:49:48 | 190 | 5954.0000 | XLON | 01502015000111876-E0epVZpACjg620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:49:50 | 99 | 5952.0000 | XLON | 01502015000112482-E0epVZpACjht20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:51:33 | 58 | 5954.0000 | XLON | 01502015000113256-E0epVZpACIDq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:51:33 | 75 | 5954.0000 | XLON | 01502015000113256-E0epVZpACIDo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:51:33 | 13 | 5954.0000 | XLON | 01502015000113256-E0epVZpACIDs20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:52:21 | 70 | 5954.0000 | XLON | 11502115000113593-E0epVZpACloX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:52:21 | 2 | 5954.0000 | XLON | 11502115000113593-E0epVZpACloZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:55:34 | 71 | 5966.0000 | XLON | 01502015000114887-E0epVZpACoOm20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:55:34 | 72 | 5966.0000 | XLON | 01502015000114887-E0epVZpACoOo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:55:36 | 74 | 5964.0000 | XLON | 01502015000114787-E0epVZpACoRT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:55:36 | 186 | 5964.0000 | XLON | 11502115000114815-E0epVZpACoRV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:55:36 | 137 | 5964.0000 | XLON | 01502015000114787-E0epVZpACoRR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:57:21 | 66 | 5960.0000 | XLON | 01502015000115610-E0epVZpACqB420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:57:21 | 66 | 5960.0000 | XLON | 01502015000115610-E0epVZpACqB220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:59:01 | 14 | 5960.0000 | XLON | 11502115000116126-E0epVZpACrUT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:59:01 | 75 | 5960.0000 | XLON | 11502115000116126-E0epVZpACrUX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 13:59:01 | 50 | 5960.0000 | XLON | 11502115000116126-E0epVZpACrUV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:01:00 | 144 | 5962.0000 | XLON | 01502015000116852-E0epVZpACt6920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:01:00 | 64 | 5962.0000 | XLON | 01502015000116852-E0epVZpACt6720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:02:40 | 81 | 5964.0000 | XLON | 01502015000117351-E0epVZpACuiC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:02:40 | 73 | 5964.0000 | XLON | 01502015000117351-E0epVZpACuiA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:02:40 | 7 | 5964.0000 | XLON | 01502015000117351-E0epVZpACuiE20190724 |

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| J.P. Morgan Securities plc | 24-Jul-2019 14:39:35 | 19 | 5966.0000 | XLON | 01502015000126791-E0epVZpADXsZ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:39:35 | 38 | 5966.0000 | XLON | 01502015000126791-E0epVZpADXsb20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:41:26 | 147 | 5966.0000 | XLON | 11502115000127052-E0epVZpADaO020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:42:40 | 145 | 5966.0000 | XLON | 01502015000127528-E0epVZpADbzA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:42:40 | 89 | 5966.0000 | XLON | 01502015000127528-E0epVZpADbzC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:44:01 | 62 | 5966.0000 | XLON | 01502015000127941-E0epVZpADdQq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:44:01 | 56 | 5966.0000 | XLON | 01502015000127941-E0epVZpADdQo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:44:01 | 69 | 5966.0000 | XLON | 01502015000127941-E0epVZpADdQm20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:45:41 | 50 | 5966.0000 | XLON | 11502115000128401-E0epVZpADfmj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:45:41 | 75 | 5966.0000 | XLON | 11502115000128401-E0epVZpADfmh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:46:47 | 115 | 5964.0000 | XLON | 11502115000126757-E0epVZpADhN120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:46:47 | 98 | 5964.0000 | XLON | 11502115000126757-E0epVZpADhN320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:48:18 | 126 | 5968.0000 | XLON | 01502015000129385-E0epVZpADjZ020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:48:18 | 56 | 5968.0000 | XLON | 01502015000129385-E0epVZpADjZ220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:49:01 | 112 | 5968.0000 | XLON | 11502115000129541-E0epVZpADkPz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:49:01 | 50 | 5968.0000 | XLON | 11502115000129541-E0epVZpADkQ120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:49:01 | 35 | 5968.0000 | XLON | 11502115000129541-E0epVZpADkQ320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:50:49 | 102 | 5968.0000 | XLON | 11502115000130149-E0epVZpADmSG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:50:49 | 84 | 5968.0000 | XLON | 11502115000130149-E0epVZpADmSI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:50:49 | 26 | 5968.0000 | XLON | 11502115000130149-E0epVZpADmSK20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:50:49 | 35 | 5968.0000 | XLON | 11502115000130149-E0epVZpADmSE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:52:39 | 24 | 5968.0000 | XLON | 01502015000130813-E0epVZpADouL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:52:39 | 187 | 5968.0000 | XLON | 01502015000130813-E0epVZpADouG20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:54:01 | 54 | 5972.0000 | XLON | 01502015000131375-E0epVZpADrq420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:54:01 | 75 | 5972.0000 | XLON | 01502015000131375-E0epVZpADrq620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:54:01 | 50 | 5972.0000 | XLON | 01502015000131375-E0epVZpADrqA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:54:01 | 13 | 5972.0000 | XLON | 01502015000131375-E0epVZpADrq220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:54:01 | 58 | 5972.0000 | XLON | 01502015000131375-E0epVZpADrq820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 60 | 5974.0000 | XLON | 11502115000132414-E0epVZpADxNF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 120 | 5974.0000 | XLON | 11502115000132414-E0epVZpADxNH20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 243 | 5974.0000 | XLON | 11502115000132630-E0epVZpADxNc20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 20 | 5974.0000 | XLON | 01502015000132568-E0epVZpADxNP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 187 | 5974.0000 | XLON | 11502115000132432-E0epVZpADxNN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 122 | 5974.0000 | XLON | 01502015000132568-E0epVZpADxNT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 32 | 5974.0000 | XLON | 11502115000132432-E0epVZpADxNL20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 3 | 5974.0000 | XLON | 01502015000132450-E0epVZpADxNJ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 27 | 5974.0000 | XLON | 11502115000132635-E0epVZpADxNe20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 246 | 5974.0000 | XLON | 11502115000132639-E0epVZpADxNg20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:57:46 | 18 | 5974.0000 | XLON | 01502015000132568-E0epVZpADxNR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 14:58:05 | 96 | 5970.0000 | XLON | 11502115000132676-E0epVZpADxuD20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:00:12 | 20 | 5972.0000 | XLON | 01502015000133416-E0epVZpAE13N20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:00:12 | 12 | 5972.0000 | XLON | 01502015000133416-E0epVZpAE13L20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:00:12 | 109 | 5972.0000 | XLON | 01502015000133416-E0epVZpAE13P20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:02:17 | 117 | 5970.0000 | XLON | 01502015000134042-E0epVZpAE3hh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:02:17 | 15 | 5970.0000 | XLON | 01502015000134042-E0epVZpAE3hj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:03:31 | 172 | 5970.0000 | XLON | 01502015000134107-E0epVZpAE5c220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:03:32 | 59 | 5968.0000 | XLON | 11502115000133108-E0epVZpAE5e220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:03:32 | 110 | 5968.0000 | XLON | 11502115000133108-E0epVZpAE5e020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:04:19 | 40 | 5966.0000 | XLON | 01502015000134545-E0epVZpAE6lt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:04:19 | 109 | 5968.0000 | XLON | 01502015000134636-E0epVZpAE6lh20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:04:20 | 70 | 5966.0000 | XLON | 01502015000134545-E0epVZpAE6nE20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:04:20 | 10 | 5966.0000 | XLON | 01502015000134545-E0epVZpAE6nC20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:05:59 | 116 | 5964.0000 | XLON | 11502115000135170-E0epVZpAE90S20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:09:36 | 63 | 5966.0000 | XLON | 01502015000136203-E0epVZpAEDxW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:09:36 | 57 | 5966.0000 | XLON | 01502015000136203-E0epVZpAEDxY20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:09:59 | 222 | 5964.0000 | XLON | 11502115000136118-E0epVZpAEENf20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:11:42 | 164 | 5968.0000 | XLON | 11502115000136801-E0epVZpAEGmR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:11:57 | 250 | 5966.0000 | XLON | 11502115000136706-E0epVZpAEHCI20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:12:40 | 31 | 5966.0000 | XLON | 01502015000137187-E0epVZpAEI5S20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:12:40 | 51 | 5966.0000 | XLON | 01502015000137187-E0epVZpAEI5U20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:12:40 | 50 | 5966.0000 | XLON | 01502015000137187-E0epVZpAEI5W20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:12:40 | 75 | 5966.0000 | XLON | 01502015000137187-E0epVZpAEI5Q20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:12:40 | 15 | 5966.0000 | XLON | 01502015000137187-E0epVZpAEI5O20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:13:40 | 161 | 5964.0000 | XLON | 11502115000137066-E0epVZpAEJE520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:14:17 | 193 | 5962.0000 | XLON | 01502015000137070-E0epVZpAEJxW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:15:08 | 97 | 5960.0000 | XLON | 11502115000137604-E0epVZpAEKuk20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:15:08 | 7 | 5960.0000 | XLON | 11502115000137604-E0epVZpAEKud20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:16:30 | 204 | 5960.0000 | XLON | 11502115000138270-E0epVZpAEMoN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:16:55 | 129 | 5958.0000 | XLON | 01502015000137619-E0epVZpAENU020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:16:55 | 53 | 5958.0000 | XLON | 01502015000137619-E0epVZpAENTx20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 45 | 5966.0000 | XLON | 11502115000140364-E0epVZpAETip20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 19 | 5966.0000 | XLON | 11502115000140392-E0epVZpAETiw20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 64 | 5966.0000 | XLON | 11502115000140364-E0epVZpAETis20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 22 | 5966.0000 | XLON | 01502015000140371-E0epVZpAETiu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 63 | 5966.0000 | XLON | 11502115000140364-E0epVZpAETil20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 13 | 5966.0000 | XLON | 11502115000140392-E0epVZpAETiz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 17 | 5966.0000 | XLON | 01502015000140549-E0epVZpAETj720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 19 | 5966.0000 | XLON | 11502115000140364-E0epVZpAETin20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:21:40 | 26 | 5966.0000 | XLON | 11502115000140668-E0epVZpAETjD20190724 |

| | | | | | |
|----------------------------|----------------------|-----|-----------|------|---|
| J.P. Morgan Securities plc | 24-Jul-2019 15:58:28 | 84 | 5960.0000 | XLON | 11502115000153538-E0epVZpAFFtM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:58:40 | 145 | 5960.0000 | XLON | 01502015000153599-E0epVZpAFGIX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:59:25 | 111 | 5960.0000 | XLON | 11502115000153758-E0epVZpAFGxj20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:59:59 | 50 | 5960.0000 | XLON | 01502015000153917-E0epVZpAFHt620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 15:59:59 | 82 | 5960.0000 | XLON | 01502015000153917-E0epVZpAFHt820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:00:40 | 144 | 5960.0000 | XLON | 01502015000154054-E0epVZpAFJEM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:01:19 | 222 | 5958.0000 | XLON | 11502115000153566-E0epVZpAFJxT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:02:25 | 125 | 5958.0000 | XLON | 11502115000154378-E0epVZpAFLjX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:02:25 | 145 | 5958.0000 | XLON | 11502115000154378-E0epVZpAFLjb20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:03:54 | 32 | 5958.0000 | XLON | 01502015000154775-E0epVZpAFNq420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:03:54 | 83 | 5958.0000 | XLON | 01502015000154775-E0epVZpAFNq820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:03:54 | 67 | 5958.0000 | XLON | 01502015000154775-E0epVZpAFNqA20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:03:54 | 15 | 5958.0000 | XLON | 01502015000154775-E0epVZpAFNq620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:07:14 | 243 | 5964.0000 | XLON | 01502015000155824-E0epVZpAFS5J20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:07:14 | 75 | 5964.0000 | XLON | 01502015000155824-E0epVZpAFS5L20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:07:14 | 90 | 5964.0000 | XLON | 01502015000155824-E0epVZpAFS5H20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:07:14 | 84 | 5964.0000 | XLON | 01502015000155824-E0epVZpAFS5F20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:07:41 | 258 | 5966.0000 | XLON | 11502115000155904-E0epVZpAFSeT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:08:06 | 112 | 5968.0000 | XLON | 11502115000156031-E0epVZpAFTaV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:09:13 | 165 | 5968.0000 | XLON | 11502115000156254-E0epVZpAFV3b20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:10:02 | 38 | 5968.0000 | XLON | 01502015000156474-E0epVZpAFWDT20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:10:02 | 13 | 5968.0000 | XLON | 01502015000156474-E0epVZpAFWDX20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:10:02 | 102 | 5968.0000 | XLON | 01502015000156474-E0epVZpAFWDV20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:10:47 | 62 | 5968.0000 | XLON | 11502115000156628-E0epVZpAFXEy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:10:47 | 57 | 5968.0000 | XLON | 11502115000156628-E0epVZpAFXF020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:11:22 | 85 | 5968.0000 | XLON | 11502115000156723-E0epVZpAFXuP20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:11:22 | 22 | 5968.0000 | XLON | 11502115000156723-E0epVZpAFXuR20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:11:54 | 53 | 5968.0000 | XLON | 01502015000156861-E0epVZpAFYbn20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:11:54 | 66 | 5968.0000 | XLON | 01502015000156861-E0epVZpAFYbp20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:14 | 75 | 5968.0000 | XLON | 11502115000157114-E0epVZpAFaJq20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:14 | 57 | 5968.0000 | XLON | 11502115000157114-E0epVZpAFaJo20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:14 | 92 | 5968.0000 | XLON | 11502115000157114-E0epVZpAFaJm20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:14 | 50 | 5968.0000 | XLON | 11502115000157114-E0epVZpAFaJs20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 75 | 5966.0000 | XLON | 01502015000157133-E0epVZpAFaWW20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 162 | 5966.0000 | XLON | 11502115000157094-E0epVZpAFaWS20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 6 | 5966.0000 | XLON | 11502115000157091-E0epVZpAFaWO20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 124 | 5966.0000 | XLON | 01502015000157101-E0epVZpAFaWM20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 25 | 5966.0000 | XLON | 11502115000157094-E0epVZpAFaWQ20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 67 | 5966.0000 | XLON | 01502015000157133-E0epVZpAFaWd20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:13:27 | 63 | 5966.0000 | XLON | 11502115000157097-E0epVZpAFaWU20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:15:13 | 44 | 5966.0000 | XLON | 11502115000157469-E0epVZpAFd0420190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:15:13 | 98 | 5966.0000 | XLON | 11502115000157469-E0epVZpAFd0620190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:15:13 | 5 | 5966.0000 | XLON | 11502115000157469-E0epVZpAFd0A20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:15:13 | 72 | 5966.0000 | XLON | 11502115000157469-E0epVZpAFd0820190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:16:34 | 17 | 5966.0000 | XLON | 01502015000157790-E0epVZpAFex220190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:16:34 | 14 | 5966.0000 | XLON | 01502015000157790-E0epVZpAFexWy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:16:34 | 97 | 5966.0000 | XLON | 01502015000157790-E0epVZpAFexX020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:16:53 | 12 | 5966.0000 | XLON | 01502015000157835-E0epVZpAFet520190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:16:53 | 114 | 5966.0000 | XLON | 01502015000157835-E0epVZpAFet720190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:17:21 | 46 | 5966.0000 | XLON | 11502115000157908-E0epVZpAFfOt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:17:21 | 84 | 5966.0000 | XLON | 11502115000157908-E0epVZpAFfOv20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:17:21 | 15 | 5966.0000 | XLON | 11502115000157908-E0epVZpAFfOx20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:17:21 | 16 | 5966.0000 | XLON | 11502115000157908-E0epVZpAFfOz20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:17:21 | 75 | 5966.0000 | XLON | 11502115000157908-E0epVZpAFfP320190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:17:21 | 11 | 5966.0000 | XLON | 11502115000157908-E0epVZpAFfP120190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:19:01 | 75 | 5966.0000 | XLON | 11502115000158355-E0epVZpAFhUw20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:19:01 | 115 | 5966.0000 | XLON | 11502115000158355-E0epVZpAFhUu20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:20:15 | 239 | 5964.0000 | XLON | 01502015000157436-E0epVZpAFjPN20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:20:54 | 14 | 5964.0000 | XLON | 11502115000158791-E0epVZpAFkFD20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:20:54 | 170 | 5964.0000 | XLON | 11502115000158791-E0epVZpAFkFB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:22:40 | 126 | 5964.0000 | XLON | 11502115000159223-E0epVZpAFmo920190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:22:40 | 19 | 5964.0000 | XLON | 11502115000159223-E0epVZpAFmoF20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:22:40 | 16 | 5964.0000 | XLON | 11502115000159223-E0epVZpAFmoD20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:22:40 | 15 | 5964.0000 | XLON | 11502115000159223-E0epVZpAFmoB20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:23:35 | 119 | 5964.0000 | XLON | 11502115000159368-E0epVZpAFo1Y20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:23:35 | 19 | 5964.0000 | XLON | 11502115000159368-E0epVZpAFo1W20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:25:59 | 18 | 5966.0000 | XLON | 01502015000159921-E0epVZpAFrV020190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:25:59 | 51 | 5966.0000 | XLON | 01502015000159921-E0epVZpAFrUw20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:25:59 | 34 | 5966.0000 | XLON | 01502015000159921-E0epVZpAFrUy20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:27:18 | 104 | 5966.0000 | XLON | 01502015000160169-E0epVZpAFuGt20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:27:47 | 113 | 5966.0000 | XLON | 11502115000160272-E0epVZpAFv5S20190724 |
| J.P. Morgan Securities plc | 24-Jul-2019 16:27:55 | 103 | 5966.0000 | XLON | 01502015000160320-E0epVZpAFvOW20190724 |