

Transactions in own shares

Pearson plc (the **Company**) announces today it has purchased the following number of its ordinary shares of 25 pence each on the London Stock Exchange from J.P. Morgan Securities plc.

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|-----------------------------------------------------------------|------------------|
| Date of purchase: | 01 December 2017 |
| Aggregate number of ordinary shares of 25 pence each purchased: | 323,623 |
| Lowest price paid per share (GBp) | 704.5000 |
| Highest price paid per share (GBp) | 719.5000 |
| Average price paid per share (GBp) | 713.0791 |

The Company will cancel the purchased shares.

These share purchases form part of the Company's existing buy-back programme which is expected to be completed over the period from 18 October 2017 to 26 April 2018, details of which were announced on 17 October 2017.

The table below contains detailed information of the individual trades made by J.P. Morgan Securities plc as part of the buyback programme.

Schedule of Purchases

| | |
|--------------------|----------------------------------|
| Shares purchased: | Pearson plc (ISIN: GB0006776081) |
| Date of purchases: | 01 December 2017 |
| Investment firm: | J.P. Morgan Securities plc |

Aggregate information:

| Venue | Volume-weighted average price (GBp) | Aggregated volume | Lowest price per share (GBp) | Highest price per share (GBp) |
|-----------------------|-------------------------------------|-------------------|------------------------------|-------------------------------|
| London Stock Exchange | 713.0791 | 323,623 | 704.5000 | 719.5000 |

Individual transactions

| Transaction Date and Time | Volume | Price (GBp) | Trading Venue | Transaction Reference Number |
|---------------------------|--------|-------------|---------------|----------------------------------------|
| 01-Dec-2017 08:02:15 | 402 | 705.0000 | XLON | 84403844000001800-E0XoSHfJjfiX20171201 |
| 01-Dec-2017 08:02:15 | 329 | 705.0000 | XLON | 84403844000001800-E0XoSHfJjfid20171201 |
| 01-Dec-2017 08:03:58 | 804 | 706.0000 | XLON | 84203842000002196-E0XoSHfJjhUg20171201 |
| 01-Dec-2017 08:05:21 | 752 | 705.5000 | XLON | 84403844000002622-E0XoSHfJjitx20171201 |
| 01-Dec-2017 08:05:21 | 16 | 705.5000 | XLON | 84403844000002622-E0XoSHfJjitz20171201 |
| 01-Dec-2017 08:08:12 | 523 | 707.0000 | XLON | 84403844000003230-E0XoSHfJjnFn20171201 |

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| 01-Dec-2017 08:08:41 | 877 | 707.0000 | XLON | 84203842000003289- E0XoSHfJjny420171201 |
| 01-Dec-2017 08:10:32 | 859 | 706.5000 | XLON | 84203842000003745- E0XoSHfJjqTi20171201 |
| 01-Dec-2017 08:10:33 | 1178 | 706.0000 | XLON | 84403844000003188- E0XoSHfJjqUN20171201 |
| 01-Dec-2017 08:12:01 | 893 | 706.0000 | XLON | 84203842000004235- E0XoSHfJjspm20171201 |
| 01-Dec-2017 08:12:04 | 816 | 705.5000 | XLON | 84403844000004302- E0XoSHfJjsww20171201 |
| 01-Dec-2017 08:12:04 | 402 | 705.5000 | XLON | 84403844000004302- E0XoSHfJjswy20171201 |
| 01-Dec-2017 08:13:41 | 1644 | 705.0000 | XLON | 84203842000004615- E0XoSHfJjv5G20171201 |
| 01-Dec-2017 08:13:42 | 588 | 704.5000 | XLON | 84403844000004671- E0XoSHfJjvAG20171201 |
| 01-Dec-2017 08:13:42 | 310 | 704.5000 | XLON | 84403844000004671- E0XoSHfJjvAl20171201 |
| 01-Dec-2017 08:15:21 | 712 | 704.5000 | XLON | 84403844000005129- E0XoSHfJjxmE20171201 |
| 01-Dec-2017 08:15:21 | 92 | 704.5000 | XLON | 84403844000005129- E0XoSHfJjxmC20171201 |
| 01-Dec-2017 08:17:03 | 804 | 705.5000 | XLON | 84403844000005701- E0XoSHfJk11p20171201 |
| 01-Dec-2017 08:28:08 | 135 | 707.5000 | XLON | 84203842000008981- E0XoSHfJkFn020171201 |
| 01-Dec-2017 08:28:08 | 656 | 707.5000 | XLON | 84203842000008981- E0XoSHfJkFn220171201 |
| 01-Dec-2017 08:28:12 | 722 | 708.0000 | XLON | 84203842000009005- E0XoSHfJkFtq20171201 |
| 01-Dec-2017 08:31:06 | 280 | 709.0000 | XLON | 84403844000009534- E0XoSHfJkISp20171201 |
| 01-Dec-2017 08:31:06 | 665 | 709.0000 | XLON | 84403844000009534- E0XoSHfJkISt20171201 |
| 01-Dec-2017 08:31:06 | 773 | 709.0000 | XLON | 84403844000009534- E0XoSHfJkISr20171201 |
| 01-Dec-2017 08:33:37 | 1781 | 709.0000 | XLON | 84203842000010370- E0XoSHfJkMUw20171201 |
| 01-Dec-2017 08:33:37 | 287 | 709.0000 | XLON | 84203842000010370- E0XoSHfJkMV120171201 |
| 01-Dec-2017 08:36:57 | 1402 | 708.0000 | XLON | 84203842000011459- E0XoSHfJkTjo20171201 |
| 01-Dec-2017 08:38:28 | 610 | 707.5000 | XLON | 84403844000011772- E0XoSHfJkWX20171201 |
| 01-Dec-2017 08:38:28 | 1982 | 708.0000 | XLON | 84203842000011658- E0XoSHfJkWX320171201 |
| 01-Dec-2017 08:38:28 | 117 | 708.0000 | XLON | 84203842000011469- E0XoSHfJkWX120171201 |
| 01-Dec-2017 08:38:28 | 1441 | 708.0000 | XLON | 84203842000011469- E0XoSHfJkWWy20171201 |
| 01-Dec-2017 08:45:21 | 301 | 707.5000 | XLON | 84203842000013161- E0XoSHfJkhA520171201 |
| 01-Dec-2017 08:45:21 | 442 | 707.5000 | XLON | 84403844000013153- E0XoSHfJkhAN20171201 |

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| 01-Dec-2017 08:45:21 | 301 | 707.5000 | XLON | 84403844000013153- E0XoSHfJkhAJ20171201 |
| 01-Dec-2017 08:45:56 | 95 | 707.0000 | XLON | 84203842000012821- E0XoSHfJkhs20171201 |
| 01-Dec-2017 08:45:56 | 756 | 707.0000 | XLON | 84203842000012821- E0XoSHfJkhsx20171201 |
| 01-Dec-2017 08:50:38 | 1343 | 707.0000 | XLON | 84403844000013609- E0XoSHfJkmnL20171201 |
| 01-Dec-2017 08:50:38 | 249 | 707.0000 | XLON | 84403844000013609- E0XoSHfJkmnJ20171201 |
| 01-Dec-2017 08:50:38 | 3012 | 707.0000 | XLON | 84203842000013871- E0XoSHfJkmob20171201 |
| 01-Dec-2017 08:50:38 | 1082 | 707.0000 | XLON | 84403844000013609- E0XoSHfJkmne20171201 |
| 01-Dec-2017 08:58:01 | 766 | 708.0000 | XLON | 84403844000014994- E0XoSHfJkuTI20171201 |
| 01-Dec-2017 08:58:01 | 877 | 708.0000 | XLON | 84403844000014870- E0XoSHfJkuTE20171201 |
| 01-Dec-2017 09:01:04 | 1562 | 708.0000 | XLON | 84203842000015228- E0XoSHfJkxW720171201 |
| 01-Dec-2017 09:01:04 | 1375 | 708.0000 | XLON | 84403844000015578- E0XoSHfJkxWK20171201 |
| 01-Dec-2017 09:04:39 | 734 | 708.5000 | XLON | 84403844000016848- E0XoSHfJl3My20171201 |
| 01-Dec-2017 09:05:56 | 988 | 708.0000 | XLON | 84403844000016828- E0XoSHfJl5Jd20171201 |
| 01-Dec-2017 09:14:09 | 1111 | 708.5000 | XLON | 84203842000018907- E0XoSHfJlF6j20171201 |
| 01-Dec-2017 09:17:24 | 2005 | 708.5000 | XLON | 84403844000019786- E0XoSHfJlItP20171201 |
| 01-Dec-2017 09:19:04 | 75 | 708.5000 | XLON | 84403844000020289- E0XoSHfJlKwh20171201 |
| 01-Dec-2017 09:21:49 | 963 | 709.5000 | XLON | 84403844000021075- E0XoSHfJlPPI20171201 |
| 01-Dec-2017 09:21:53 | 1143 | 709.5000 | XLON | 84403844000021090- E0XoSHfJlPTI20171201 |
| 01-Dec-2017 09:25:52 | 978 | 710.0000 | XLON | 84403844000022667- E0XoSHfJlUyC20171201 |
| 01-Dec-2017 09:25:52 | 978 | 710.0000 | XLON | 84203842000022952- E0XoSHfJlUyH20171201 |
| 01-Dec-2017 09:27:05 | 1085 | 710.0000 | XLON | 84203842000023373- E0XoSHfJlWX320171201 |
| 01-Dec-2017 09:29:10 | 1746 | 709.5000 | XLON | 84203842000024339- E0XoSHfJlYbr20171201 |
| 01-Dec-2017 09:29:45 | 815 | 710.0000 | XLON | 84403844000024168- E0XoSHfJlZBu20171201 |
| 01-Dec-2017 09:37:09 | 1983 | 710.5000 | XLON | 84203842000027197- E0XoSHfJliCV20171201 |
| 01-Dec-2017 09:41:11 | 805 | 710.5000 | XLON | 84403844000027610- E0XoSHfJlmdv20171201 |
| 01-Dec-2017 09:41:11 | 1293 | 710.5000 | XLON | 84203842000028274- E0XoSHfJlmdp20171201 |
| 01-Dec-2017 09:42:55 | 2028 | 711.0000 | XLON | 84403844000028174- E0XoSHfJlEE20171201 |

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| 01-Dec-2017 09:49:32 | 2166 | 711.5000 | XLON | 84203842000030561- E0XoSHfJltk520171201 |
| 01-Dec-2017 09:52:33 | 1779 | 711.0000 | XLON | 84203842000029945- E0XoSHfJlwjB20171201 |
| 01-Dec-2017 09:58:29 | 731 | 711.5000 | XLON | 84403844000032543- E0XoSHfJm1ZI20171201 |
| 01-Dec-2017 10:02:00 | 779 | 711.5000 | XLON | 84203842000034141- E0XoSHfJm4lx20171201 |
| 01-Dec-2017 10:02:00 | 315 | 711.5000 | XLON | 84203842000034141- E0XoSHfJm4lG20171201 |
| 01-Dec-2017 10:03:45 | 394 | 711.5000 | XLON | 84403844000033950- E0XoSHfJm6YS20171201 |
| 01-Dec-2017 10:04:20 | 212 | 711.5000 | XLON | 84403844000034042- E0XoSHfJm71N20171201 |
| 01-Dec-2017 10:04:20 | 153 | 711.5000 | XLON | 84403844000034042- E0XoSHfJm71L20171201 |
| 01-Dec-2017 10:12:26 | 824 | 712.0000 | XLON | 84403844000035535- E0XoSHfJmEOZ20171201 |
| 01-Dec-2017 10:12:26 | 769 | 712.0000 | XLON | 84403844000035539- E0XoSHfJmEOQ20171201 |
| 01-Dec-2017 10:12:26 | 92 | 712.0000 | XLON | 84403844000035710- E0XoSHfJmEOX20171201 |
| 01-Dec-2017 10:12:26 | 1087 | 712.0000 | XLON | 84203842000036623- E0XoSHfJmEOd20171201 |
| 01-Dec-2017 10:12:26 | 786 | 712.0000 | XLON | 84403844000035710- E0XoSHfJmEOS20171201 |
| 01-Dec-2017 10:12:26 | 867 | 712.0000 | XLON | 84203842000036625- E0XoSHfJmEOf20171201 |
| 01-Dec-2017 10:12:26 | 1008 | 712.0000 | XLON | 84203842000036456- E0XoSHfJmEOb20171201 |
| 01-Dec-2017 10:23:09 | 687 | 713.0000 | XLON | 84403844000037052- E0XoSHfJmPTI20171201 |
| 01-Dec-2017 10:23:14 | 118 | 713.0000 | XLON | 84403844000037052- E0XoSHfJmPX520171201 |
| 01-Dec-2017 10:23:14 | 737 | 713.0000 | XLON | 84203842000038658- E0XoSHfJmPXH20171201 |
| 01-Dec-2017 10:23:14 | 734 | 713.0000 | XLON | 84403844000038155- E0XoSHfJmPXJ20171201 |
| 01-Dec-2017 10:23:14 | 899 | 713.0000 | XLON | 84403844000038157- E0XoSHfJmPXL20171201 |
| 01-Dec-2017 10:23:14 | 1073 | 713.0000 | XLON | 84203842000039145- E0XoSHfJmPXB20171201 |
| 01-Dec-2017 10:24:54 | 446 | 712.0000 | XLON | 84203842000039449- E0XoSHfJmRRt20171201 |
| 01-Dec-2017 10:24:54 | 321 | 712.0000 | XLON | 84203842000039449- E0XoSHfJmRRv20171201 |
| 01-Dec-2017 10:24:54 | 750 | 712.0000 | XLON | 84203842000039449- E0XoSHfJmRRx20171201 |
| 01-Dec-2017 10:25:10 | 115 | 711.5000 | XLON | 84403844000038471- E0XoSHfJmRfc20171201 |
| 01-Dec-2017 10:25:10 | 189 | 711.5000 | XLON | 84403844000038471- E0XoSHfJmRfm20171201 |
| 01-Dec-2017 10:25:10 | 2399 | 711.5000 | XLON | 84403844000038471- E0XoSHfJmRfh20171201 |

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|-------------------------|------|----------|------|--------------------------------------------|
| 01-Dec-2017 10:25:32 | 77 | 711.5000 | XLON | 84403844000038471- E0XoSHfJmS3V20171201 |
| 01-Dec-2017 10:27:15 | 544 | 711.5000 | XLON | 84403844000038471- E0XoSHfJmT9t20171201 |
| 01-Dec-2017 10:27:40 | 530 | 711.5000 | XLON | 84203842000039676- E0XoSHfJmTfi20171201 |
| 01-Dec-2017 10:27:40 | 49 | 711.5000 | XLON | 84203842000039676- E0XoSHfJmTfo20171201 |
| 01-Dec-2017 10:29:11 | 750 | 712.0000 | XLON | 84403844000039139- E0XoSHfJmUyX20171201 |
| 01-Dec-2017 10:29:11 | 306 | 712.0000 | XLON | 84403844000039139- E0XoSHfJmUyV20171201 |
| 01-Dec-2017 10:29:20 | 750 | 712.0000 | XLON | 84403844000039181- E0XoSHfJmV3g20171201 |
| 01-Dec-2017 10:29:20 | 569 | 712.0000 | XLON | 84403844000039181- E0XoSHfJmV3i20171201 |
| 01-Dec-2017 10:29:20 | 876 | 711.5000 | XLON | 84203842000040018- E0XoSHfJmV4J20171201 |
| 01-Dec-2017 10:29:20 | 803 | 711.5000 | XLON | 84203842000040014- E0XoSHfJmV4H20171201 |
| 01-Dec-2017 10:35:19 | 621 | 711.5000 | XLON | 84403844000040901- E0XoSHfJmbPD20171201 |
| 01-Dec-2017 10:35:19 | 257 | 711.5000 | XLON | 84403844000040901- E0XoSHfJmbPB20171201 |
| 01-Dec-2017 10:36:00 | 57 | 711.5000 | XLON | 84403844000041031- E0XoSHfJmboX20171201 |
| 01-Dec-2017 10:36:00 | 108 | 711.5000 | XLON | 84403844000041031- E0XoSHfJmboV20171201 |
| 01-Dec-2017 10:36:00 | 707 | 711.5000 | XLON | 84403844000041031- E0XoSHfJmboZ20171201 |
| 01-Dec-2017 10:37:35 | 731 | 711.0000 | XLON | 84203842000040633- E0XoSHfJmd3t20171201 |
| 01-Dec-2017 10:37:50 | 1097 | 710.0000 | XLON | 84403844000041451- E0XoSHfJmdTB20171201 |
| 01-Dec-2017 10:39:39 | 650 | 709.0000 | XLON | 84203842000042778- E0XoSHfJmfl220171201 |
| 01-Dec-2017 10:39:39 | 300 | 709.0000 | XLON | 84203842000042778- E0XoSHfJmfl020171201 |
| 01-Dec-2017 10:45:04 | 691 | 709.0000 | XLON | 84403844000043352- E0XoSHfJmlx520171201 |
| 01-Dec-2017 10:45:04 | 113 | 709.0000 | XLON | 84403844000043352- E0XoSHfJmlx320171201 |
| 01-Dec-2017 10:46:00 | 190 | 709.0000 | XLON | 84203842000044578- E0XoSHfJmmSe20171201 |
| 01-Dec-2017 10:46:00 | 60 | 709.0000 | XLON | 84203842000044578- E0XoSHfJmmSg20171201 |
| 01-Dec-2017 10:46:00 | 54 | 709.0000 | XLON | 84203842000044578- E0XoSHfJmmSi20171201 |
| 01-Dec-2017 10:47:40 | 214 | 709.0000 | XLON | 84403844000044682- E0XoSHfJmoLn20171201 |
| 01-Dec-2017 10:47:40 | 101 | 709.0000 | XLON | 84403844000044682- E0XoSHfJmoLp20171201 |
| 01-Dec-2017 10:47:40 | 782 | 709.0000 | XLON | 84403844000044682- E0XoSHfJmoLI20171201 |

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| 01-Dec-2017 10:49:33 | 741 | 709.0000 | XLON | 84403844000045169- E0XoSHfJmqMt20171201 |
| 01-Dec-2017 10:51:07 | 1036 | 709.5000 | XLON | 84203842000046130- E0XoSHfJmsmR20171201 |
| 01-Dec-2017 10:52:06 | 61 | 709.5000 | XLON | 84203842000046130- E0XoSHfJmufj20171201 |
| 01-Dec-2017 10:52:40 | 20 | 709.0000 | XLON | 84203842000046520- E0XoSHfJmvxY20171201 |
| 01-Dec-2017 10:54:14 | 804 | 709.0000 | XLON | 84203842000046775- E0XoSHfJmysi20171201 |
| 01-Dec-2017 10:56:17 | 805 | 708.5000 | XLON | 84203842000047134- E0XoSHfJn1faA20171201 |
| 01-Dec-2017 10:57:40 | 420 | 708.0000 | XLON | 84403844000047004- E0XoSHfJn3x020171201 |
| 01-Dec-2017 10:59:20 | 860 | 708.0000 | XLON | 84203842000047826- E0XoSHfJn5qA20171201 |
| 01-Dec-2017 11:06:26 | 1150 | 708.0000 | XLON | 84203842000048656- E0XoSHfJnCHA20171201 |
| 01-Dec-2017 11:13:36 | 1263 | 708.0000 | XLON | 84403844000048317- E0XoSHfJnJWc20171201 |
| 01-Dec-2017 11:13:36 | 891 | 708.0000 | XLON | 84403844000048317- E0XoSHfJnJWX20171201 |
| 01-Dec-2017 11:13:36 | 1411 | 708.0000 | XLON | 84403844000049836- E0XoSHfJnJWk20171201 |
| 01-Dec-2017 11:14:41 | 124 | 708.0000 | XLON | 84203842000050596- E0XoSHfJnKs720171201 |
| 01-Dec-2017 11:14:41 | 773 | 708.0000 | XLON | 84203842000050596- E0XoSHfJnKs520171201 |
| 01-Dec-2017 11:21:59 | 3003 | 708.5000 | XLON | 84403844000051335- E0XoSHfJnPld20171201 |
| 01-Dec-2017 11:28:54 | 571 | 710.0000 | XLON | 84403844000052586- E0XoSHfJnUoF20171201 |
| 01-Dec-2017 11:29:44 | 750 | 710.0000 | XLON | 84403844000052736- E0XoSHfJnVmQ20171201 |
| 01-Dec-2017 11:29:44 | 201 | 710.0000 | XLON | 84403844000052736- E0XoSHfJnVmS20171201 |
| 01-Dec-2017 11:31:00 | 646 | 710.0000 | XLON | 84203842000053511- E0XoSHfJnWO720171201 |
| 01-Dec-2017 11:31:00 | 113 | 710.0000 | XLON | 84203842000053511- E0XoSHfJnWO520171201 |
| 01-Dec-2017 11:32:40 | 254 | 710.0000 | XLON | 84203842000054032- E0XoSHfJnXUR20171201 |
| 01-Dec-2017 11:32:40 | 661 | 710.0000 | XLON | 84203842000054032- E0XoSHfJnXUT20171201 |
| 01-Dec-2017 11:35:35 | 950 | 710.5000 | XLON | 84203842000054893- E0XoSHfJnazm20171201 |
| 01-Dec-2017 11:41:06 | 679 | 712.0000 | XLON | 84203842000055724- E0XoSHfJneWW20171201 |
| 01-Dec-2017 11:41:06 | 263 | 712.0000 | XLON | 84203842000055724- E0XoSHfJneWU20171201 |
| 01-Dec-2017 11:44:02 | 44 | 712.5000 | XLON | 84403844000055518- E0XoSHfJngSM20171201 |
| 01-Dec-2017 11:44:02 | 235 | 712.5000 | XLON | 84403844000055518- E0XoSHfJngSK20171201 |

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| 01-Dec-2017 11:44:03 | 2013 | 712.5000 | XLON | 84203842000056103- E0XoSHfJngT920171201 |
| 01-Dec-2017 11:47:23 | 744 | 712.5000 | XLON | 84203842000056884- E0XoSHfJnid620171201 |
| 01-Dec-2017 11:47:40 | 466 | 712.5000 | XLON | 84203842000057031- E0XoSHfJnif20171201 |
| 01-Dec-2017 11:52:28 | 742 | 712.5000 | XLON | 84403844000057659- E0XoSHfJnluO20171201 |
| 01-Dec-2017 11:52:28 | 755 | 712.5000 | XLON | 84403844000057655- E0XoSHfJnluM20171201 |
| 01-Dec-2017 11:52:28 | 822 | 712.5000 | XLON | 84403844000057768- E0XoSHfJnluG20171201 |
| 01-Dec-2017 11:53:30 | 731 | 713.5000 | XLON | 84203842000058816- E0XoSHfJnmks20171201 |
| 01-Dec-2017 11:59:24 | 569 | 713.0000 | XLON | 84203842000059801- E0XoSHfJnrgi20171201 |
| 01-Dec-2017 11:59:41 | 454 | 713.0000 | XLON | 84203842000059801- E0XoSHfJns3S20171201 |
| 01-Dec-2017 12:03:03 | 475 | 714.0000 | XLON | 84203842000061285- E0XoSHfJnvrA20171201 |
| 01-Dec-2017 12:03:03 | 330 | 714.0000 | XLON | 84203842000061285- E0XoSHfJnvr420171201 |
| 01-Dec-2017 12:04:21 | 774 | 714.5000 | XLON | 84203842000061613- E0XoSHfJnwzB20171201 |
| 01-Dec-2017 12:06:11 | 950 | 714.5000 | XLON | 84203842000061877- E0XoSHfJnyfp20171201 |
| 01-Dec-2017 12:07:41 | 378 | 715.5000 | XLON | 84403844000061536- E0XoSHfJo0MP20171201 |
| 01-Dec-2017 12:07:41 | 500 | 715.5000 | XLON | 84403844000061536- E0XoSHfJo0MR20171201 |
| 01-Dec-2017 12:15:48 | 2075 | 715.5000 | XLON | 84403844000062826- E0XoSHfJo7Lv20171201 |
| 01-Dec-2017 12:20:34 | 686 | 716.5000 | XLON | 84403844000063626- E0XoSHfJoAff20171201 |
| 01-Dec-2017 12:20:34 | 750 | 716.5000 | XLON | 84403844000063626- E0XoSHfJoAfj20171201 |
| 01-Dec-2017 12:20:34 | 28 | 716.5000 | XLON | 84403844000063626- E0XoSHfJoAfh20171201 |
| 01-Dec-2017 12:20:34 | 257 | 716.5000 | XLON | 84403844000063626- E0XoSHfJoAfi20171201 |
| 01-Dec-2017 12:22:41 | 788 | 716.5000 | XLON | 84203842000064925- E0XoSHfJoCDh20171201 |
| 01-Dec-2017 12:26:02 | 942 | 717.0000 | XLON | 84203842000065594- E0XoSHfJoFNG20171201 |
| 01-Dec-2017 12:26:02 | 7 | 717.0000 | XLON | 84203842000065594- E0XoSHfJoFNI20171201 |
| 01-Dec-2017 12:28:08 | 949 | 717.5000 | XLON | 84403844000065085- E0XoSHfJoGij20171201 |
| 01-Dec-2017 12:28:15 | 732 | 717.0000 | XLON | 84203842000065830- E0XoSHfJoGvV20171201 |
| 01-Dec-2017 12:33:40 | 736 | 718.5000 | XLON | 84203842000067082- E0XoSHfJoKLj20171201 |
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| 01-Dec-2017 12:37:01 | 120 | 718.5000 | XLON | 84403844000066796- E0XoSHfJoND620171201 |
| 01-Dec-2017 12:37:05 | 733 | 718.5000 | XLON | 84403844000066807- E0XoSHfJoNEI20171201 |
| 01-Dec-2017 12:39:27 | 950 | 719.0000 | XLON | 84403844000067070- E0XoSHfJoOT120171201 |
| 01-Dec-2017 12:39:27 | 554 | 719.0000 | XLON | 84203842000067968- E0XoSHfJoOTG20171201 |
| 01-Dec-2017 12:39:27 | 396 | 719.0000 | XLON | 84203842000067968- E0XoSHfJoOTI20171201 |
| 01-Dec-2017 12:41:07 | 156 | 719.0000 | XLON | 84203842000068180- E0XoSHfJoPQI20171201 |
| 01-Dec-2017 12:41:07 | 795 | 719.0000 | XLON | 84203842000068180- E0XoSHfJoPQK20171201 |
| 01-Dec-2017 12:42:42 | 113 | 719.0000 | XLON | 84403844000067554- E0XoSHfJoQQ520171201 |
| 01-Dec-2017 12:43:11 | 750 | 719.5000 | XLON | 84403844000067621- E0XoSHfJoQka20171201 |
| 01-Dec-2017 12:43:11 | 214 | 719.5000 | XLON | 84403844000067621- E0XoSHfJoQkc20171201 |
| 01-Dec-2017 12:44:55 | 732 | 719.5000 | XLON | 84403844000067904- E0XoSHfJoS9r20171201 |
| 01-Dec-2017 12:47:56 | 1338 | 718.5000 | XLON | 84203842000069010- E0XoSHfJoU3B20171201 |
| 01-Dec-2017 12:49:19 | 700 | 718.0000 | XLON | 84403844000068135- E0XoSHfJoUf120171201 |
| 01-Dec-2017 12:49:45 | 401 | 718.0000 | XLON | 84403844000068897- E0XoSHfJoV4d20171201 |
| 01-Dec-2017 12:49:45 | 516 | 718.0000 | XLON | 84403844000068135- E0XoSHfJoV4X20171201 |
| 01-Dec-2017 12:49:50 | 1665 | 718.0000 | XLON | 84403844000068897- E0XoSHfJoV8020171201 |
| 01-Dec-2017 12:51:02 | 969 | 718.0000 | XLON | 84203842000070247- E0XoSHfJoWVN20171201 |
| 01-Dec-2017 12:51:02 | 719 | 718.0000 | XLON | 84203842000070247- E0XoSHfJoWVJ20171201 |
| 01-Dec-2017 12:51:02 | 600 | 718.0000 | XLON | 84203842000070247- E0XoSHfJoWVD20171201 |
| 01-Dec-2017 12:54:35 | 115 | 718.5000 | XLON | 84403844000069964- E0XoSHfJoZWH20171201 |
| 01-Dec-2017 12:54:35 | 909 | 718.5000 | XLON | 84403844000069964- E0XoSHfJoZWD20171201 |
| 01-Dec-2017 12:55:47 | 804 | 718.0000 | XLON | 84403844000070456- E0XoSHfJoap720171201 |
| 01-Dec-2017 12:56:15 | 805 | 718.0000 | XLON | 84403844000070596- E0XoSHfJobFf20171201 |
| 01-Dec-2017 12:59:15 | 1023 | 717.5000 | XLON | 84403844000070567- E0XoSHfJodnx20171201 |
| 01-Dec-2017 12:59:22 | 62 | 717.0000 | XLON | 84203842000072029- E0XoSHfJodtk20171201 |
| 01-Dec-2017 12:59:22 | 673 | 717.0000 | XLON | 84203842000072029- E0XoSHfJodtg20171201 |

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| 01-Dec-2017 12:59:24 | 321 | 716.5000 | XLON | 84203842000072044- E0XoSHfJoe1c20171201 |
| 01-Dec-2017 13:02:41 | 757 | 716.5000 | XLON | 84403844000072140- E0XoSHfJogxb20171201 |
| 01-Dec-2017 13:02:45 | 750 | 716.5000 | XLON | 84203842000072967- E0XoSHfJoh1y20171201 |
| 01-Dec-2017 13:04:26 | 36 | 717.0000 | XLON | 84203842000073266- E0XoSHfJoi2820171201 |
| 01-Dec-2017 13:04:26 | 155 | 717.0000 | XLON | 84203842000073266- E0XoSHfJoi2620171201 |
| 01-Dec-2017 13:04:26 | 545 | 717.0000 | XLON | 84203842000073266- E0XoSHfJoi2420171201 |
| 01-Dec-2017 13:06:12 | 420 | 717.0000 | XLON | 84203842000073550- E0XoSHfJojT120171201 |
| 01-Dec-2017 13:06:12 | 243 | 717.0000 | XLON | 84203842000073550- E0XoSHfJojSz20171201 |
| 01-Dec-2017 13:06:12 | 69 | 717.0000 | XLON | 84203842000073550- E0XoSHfJojSx20171201 |
| 01-Dec-2017 13:10:10 | 1097 | 717.0000 | XLON | 84403844000073121- E0XoSHfJomYq20171201 |
| 01-Dec-2017 13:19:06 | 154 | 718.0000 | XLON | 84203842000075575- E0XoSHfJoumC20171201 |
| 01-Dec-2017 13:19:06 | 787 | 718.0000 | XLON | 84403844000074940- E0XoSHfJouma20171201 |
| 01-Dec-2017 13:19:06 | 731 | 718.0000 | XLON | 84203842000075574- E0XoSHfJoumA20171201 |
| 01-Dec-2017 13:21:48 | 57 | 718.0000 | XLON | 84403844000075341- E0XoSHfJoxS220171201 |
| 01-Dec-2017 13:21:48 | 418 | 718.0000 | XLON | 84403844000075341- E0XoSHfJoxS620171201 |
| 01-Dec-2017 13:21:48 | 309 | 718.0000 | XLON | 84403844000075341- E0XoSHfJoxS420171201 |
| 01-Dec-2017 13:21:48 | 214 | 718.0000 | XLON | 84403844000075341- E0XoSHfJoxS820171201 |
| 01-Dec-2017 13:24:42 | 294 | 718.0000 | XLON | 84403844000075825- E0XoSHfJozJE20171201 |
| 01-Dec-2017 13:24:42 | 112 | 718.0000 | XLON | 84403844000075825- E0XoSHfJozJ820171201 |
| 01-Dec-2017 13:24:42 | 74 | 718.0000 | XLON | 84403844000075825- E0XoSHfJozJC20171201 |
| 01-Dec-2017 13:24:42 | 502 | 718.0000 | XLON | 84403844000075825- E0XoSHfJozJA20171201 |
| 01-Dec-2017 13:29:55 | 1200 | 718.0000 | XLON | 84203842000077670- E0XoSHfJp4Eg20171201 |
| 01-Dec-2017 13:29:55 | 750 | 718.0000 | XLON | 84203842000077670- E0XoSHfJp4Ee20171201 |
| 01-Dec-2017 13:30:15 | 154 | 717.5000 | XLON | 84403844000074982- E0XoSHfJp4fC20171201 |
| 01-Dec-2017 13:30:15 | 477 | 717.5000 | XLON | 84403844000074982- E0XoSHfJp4fE20171201 |

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| 01-Dec-2017 13:30:15 | 618 | 717.5000 | XLON | 84403844000076382- E0XoSHfJp4fU20171201 |
| 01-Dec-2017 13:30:15 | 167 | 717.5000 | XLON | 84403844000076382- E0XoSHfJp4fS20171201 |
| 01-Dec-2017 13:30:15 | 932 | 717.5000 | XLON | 84403844000076657- E0XoSHfJp4fW20171201 |
| 01-Dec-2017 13:34:23 | 146 | 717.5000 | XLON | 84403844000077889- E0XoSHfJp88z20171201 |
| 01-Dec-2017 13:34:23 | 720 | 717.5000 | XLON | 84403844000077889- E0XoSHfJp88x20171201 |
| 01-Dec-2017 13:34:23 | 788 | 717.5000 | XLON | 84403844000077889- E0XoSHfJp89120171201 |
| 01-Dec-2017 13:36:03 | 493 | 717.5000 | XLON | 84403844000078360- E0XoSHfJpA9K20171201 |
| 01-Dec-2017 13:36:03 | 750 | 717.5000 | XLON | 84403844000078360- E0XoSHfJpA9Q20171201 |
| 01-Dec-2017 13:36:03 | 61 | 717.5000 | XLON | 84403844000078360- E0XoSHfJpA9M20171201 |
| 01-Dec-2017 13:36:03 | 253 | 717.5000 | XLON | 84403844000078360- E0XoSHfJpA9O20171201 |
| 01-Dec-2017 13:38:28 | 1922 | 717.5000 | XLON | 84403844000078850- E0XoSHfJpCaB20171201 |
| 01-Dec-2017 13:40:50 | 1424 | 718.0000 | XLON | 84403844000079372- E0XoSHfJpESn20171201 |
| 01-Dec-2017 13:41:05 | 966 | 718.0000 | XLON | 84403844000079441- E0XoSHfJpEzL20171201 |
| 01-Dec-2017 13:42:48 | 731 | 717.5000 | XLON | 84203842000080438- E0XoSHfJpG2h20171201 |
| 01-Dec-2017 13:46:03 | 444 | 717.5000 | XLON | 84403844000080147- E0XoSHfJpJ4P20171201 |
| 01-Dec-2017 13:46:03 | 516 | 717.5000 | XLON | 84403844000080147- E0XoSHfJpJ4N20171201 |
| 01-Dec-2017 13:46:03 | 804 | 717.5000 | XLON | 84203842000080755- E0XoSHfJpJ4W20171201 |
| 01-Dec-2017 13:46:03 | 63 | 717.5000 | XLON | 84403844000080147- E0XoSHfJpJ4U20171201 |
| 01-Dec-2017 13:46:52 | 950 | 718.0000 | XLON | 84403844000080621- E0XoSHfJpJfR20171201 |
| 01-Dec-2017 13:49:49 | 951 | 718.0000 | XLON | 84403844000081289- E0XoSHfJpLQo20171201 |
| 01-Dec-2017 13:50:40 | 732 | 717.5000 | XLON | 84403844000080815- E0XoSHfJpLrv20171201 |
| 01-Dec-2017 13:52:39 | 268 | 718.0000 | XLON | 84203842000082690- E0XoSHfJpNeD20171201 |
| 01-Dec-2017 13:52:39 | 56 | 718.0000 | XLON | 84203842000082690- E0XoSHfJpNeF20171201 |
| 01-Dec-2017 13:52:39 | 407 | 718.0000 | XLON | 84203842000082690- E0XoSHfJpNeH20171201 |
| 01-Dec-2017 13:54:22 | 756 | 717.0000 | XLON | 84403844000082402- E0XoSHfJpPHE20171201 |
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| 01-Dec-2017 14:03:14 | 1404 | 716.5000 | XLON | 84403844000084311- E0XoSHfJpRX20171201 |
| 01-Dec-2017 14:08:20 | 1827 | 716.0000 | XLON | 84203842000085056- E0XoSHfJpc9220171201 |
| 01-Dec-2017 14:09:23 | 161 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1i20171201 |
| 01-Dec-2017 14:09:23 | 54 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1k20171201 |
| 01-Dec-2017 14:09:23 | 198 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1g20171201 |
| 01-Dec-2017 14:09:23 | 1004 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1q20171201 |
| 01-Dec-2017 14:09:23 | 10 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1s20171201 |
| 01-Dec-2017 14:09:23 | 312 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1m20171201 |
| 01-Dec-2017 14:09:23 | 42 | 716.0000 | XLON | 84203842000086365- E0XoSHfJpd1o20171201 |
| 01-Dec-2017 14:11:43 | 2078 | 716.0000 | XLON | 84403844000085815- E0XoSHfJpfeU20171201 |
| 01-Dec-2017 14:11:43 | 1385 | 716.0000 | XLON | 84403844000085837- E0XoSHfJpfeY20171201 |
| 01-Dec-2017 14:14:54 | 731 | 716.0000 | XLON | 84203842000086980- E0XoSHfJphXR20171201 |
| 01-Dec-2017 14:15:41 | 338 | 716.0000 | XLON | 84203842000087604- E0XoSHfJphvE20171201 |
| 01-Dec-2017 14:17:44 | 1144 | 716.0000 | XLON | 84403844000087346- E0XoSHfJpjLA20171201 |
| 01-Dec-2017 14:20:17 | 438 | 716.0000 | XLON | 84403844000087809- E0XoSHfJpkWP20171201 |
| 01-Dec-2017 14:20:17 | 103 | 716.0000 | XLON | 84403844000087809- E0XoSHfJpkWL20171201 |
| 01-Dec-2017 14:20:17 | 214 | 716.0000 | XLON | 84403844000087809- E0XoSHfJpkWN20171201 |
| 01-Dec-2017 14:21:40 | 877 | 716.0000 | XLON | 84203842000088890- E0XoSHfJpll720171201 |
| 01-Dec-2017 14:22:39 | 518 | 716.0000 | XLON | 84203842000089060- E0XoSHfJpltS20171201 |
| 01-Dec-2017 14:22:39 | 354 | 716.0000 | XLON | 84203842000089060- E0XoSHfJpltU20171201 |
| 01-Dec-2017 14:24:20 | 171 | 716.0000 | XLON | 84203842000089456- E0XoSHfJpnWG20171201 |
| 01-Dec-2017 14:24:20 | 162 | 716.0000 | XLON | 84203842000089456- E0XoSHfJpnW620171201 |
| 01-Dec-2017 14:24:20 | 139 | 716.0000 | XLON | 84203842000089456- E0XoSHfJpnWE20171201 |
| 01-Dec-2017 14:24:20 | 206 | 716.0000 | XLON | 84203842000089456- E0XoSHfJpnW820171201 |
| 01-Dec-2017 14:24:20 | 251 | 716.0000 | XLON | 84203842000089456- E0XoSHfJpnWC20171201 |

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| 01-Dec-2017 14:24:20 | 1032 | 716.0000 | XLON | 84203842000089456- E0XoSHfJpnWA20171201 |
| 01-Dec-2017 14:26:55 | 955 | 715.5000 | XLON | 84203842000089832- E0XoSHfJppGF20171201 |
| 01-Dec-2017 14:26:55 | 1023 | 715.5000 | XLON | 84203842000087888- E0XoSHfJppFx20171201 |
| 01-Dec-2017 14:26:59 | 1048 | 715.0000 | XLON | 84403844000089075- E0XoSHfJppLX20171201 |
| 01-Dec-2017 14:26:59 | 158 | 715.0000 | XLON | 84203842000087657- E0XoSHfJppLT20171201 |
| 01-Dec-2017 14:29:02 | 46 | 715.0000 | XLON | 84403844000089762- E0XoSHfJpr8T20171201 |
| 01-Dec-2017 14:29:02 | 1051 | 715.0000 | XLON | 84403844000089762- E0XoSHfJpr8V20171201 |
| 01-Dec-2017 14:29:19 | 1004 | 715.0000 | XLON | 84403844000089829- E0XoSHfJprYD20171201 |
| 01-Dec-2017 14:30:25 | 2080 | 714.5000 | XLON | 84203842000089833- E0XoSHfJpt0420171201 |
| 01-Dec-2017 14:33:50 | 1305 | 713.0000 | XLON | 84403844000090988- E0XoSHfJpzEt20171201 |
| 01-Dec-2017 14:33:50 | 804 | 714.0000 | XLON | 84403844000090355- E0XoSHfJpzBo20171201 |
| 01-Dec-2017 14:33:50 | 732 | 714.0000 | XLON | 84203842000091218- E0XoSHfJpzBs20171201 |
| 01-Dec-2017 14:36:04 | 731 | 712.5000 | XLON | 84203842000092082- E0XoSHfJq2Y920171201 |
| 01-Dec-2017 14:36:04 | 950 | 713.0000 | XLON | 84403844000091383- E0XoSHfJq2Vw20171201 |
| 01-Dec-2017 14:37:39 | 125 | 713.0000 | XLON | 84403844000092276- E0XoSHfJq5iu20171201 |
| 01-Dec-2017 14:37:39 | 488 | 713.0000 | XLON | 84403844000092276- E0XoSHfJq5is20171201 |
| 01-Dec-2017 14:40:51 | 302 | 713.0000 | XLON | 84203842000093841- E0XoSHfJq9sx20171201 |
| 01-Dec-2017 14:40:51 | 427 | 713.0000 | XLON | 84203842000093841- E0XoSHfJq9sr20171201 |
| 01-Dec-2017 14:40:51 | 221 | 713.0000 | XLON | 84203842000093841- E0XoSHfJq9sv20171201 |
| 01-Dec-2017 14:40:51 | 73 | 713.0000 | XLON | 84203842000093841- E0XoSHfJq9st20171201 |
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| 01-Dec-2017 14:43:00 | 740 | 713.5000 | XLON | 84403844000093486- E0XoSHfJqD2J20171201 |
| 01-Dec-2017 14:44:19 | 877 | 713.0000 | XLON | 84203842000094988- E0XoSHfJqF8I20171201 |
| 01-Dec-2017 14:50:15 | 2874 | 712.5000 | XLON | 84403844000095703- E0XoSHfJqLuW20171201 |
| 01-Dec-2017 14:50:15 | 3921 | 712.5000 | XLON | 84203842000095978- E0XoSHfJqLuM20171201 |

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| 01-Dec-2017 14:54:19 | 877 | 713.0000 | XLON | 84403844000097117- E0XoSHfJqRok20171201 |
| 01-Dec-2017 14:56:00 | 750 | 713.0000 | XLON | 84403844000097503- E0XoSHfJqUTj20171201 |
| 01-Dec-2017 14:57:42 | 128 | 714.0000 | XLON | 84403844000097999- E0XoSHfJqWYG20171201 |
| 01-Dec-2017 14:57:42 | 750 | 714.0000 | XLON | 84403844000097999- E0XoSHfJqWY520171201 |
| 01-Dec-2017 14:58:16 | 857 | 713.5000 | XLON | 84403844000097990- E0XoSHfJqWzn20171201 |
| 01-Dec-2017 14:58:16 | 167 | 713.5000 | XLON | 84403844000097990- E0XoSHfJqWzp20171201 |
| 01-Dec-2017 14:59:47 | 1135 | 713.0000 | XLON | 84403844000098334- E0XoSHfJqYof20171201 |
| 01-Dec-2017 15:01:10 | 400 | 714.5000 | XLON | 84403844000098963- E0XoSHfJqbLf20171201 |
| 01-Dec-2017 15:01:10 | 358 | 714.5000 | XLON | 84403844000098963- E0XoSHfJqbLh20171201 |
| 01-Dec-2017 15:01:10 | 624 | 714.5000 | XLON | 84403844000098963- E0XoSHfJqbLj20171201 |
| 01-Dec-2017 15:03:59 | 977 | 714.0000 | XLON | 84203842000100335- E0XoSHfJqfiU20171201 |
| 01-Dec-2017 15:03:59 | 73 | 714.0000 | XLON | 84203842000100335- E0XoSHfJqfiS20171201 |
| 01-Dec-2017 15:03:59 | 412 | 714.0000 | XLON | 84203842000100335- E0XoSHfJqfiQ20171201 |
| 01-Dec-2017 15:04:19 | 800 | 714.0000 | XLON | 84203842000100407- E0XoSHfJqgH720171201 |
| 01-Dec-2017 15:04:19 | 637 | 714.0000 | XLON | 84203842000100407- E0XoSHfJqgGz20171201 |
| 01-Dec-2017 15:05:59 | 113 | 714.0000 | XLON | 84403844000100099- E0XoSHfJqidJ20171201 |
| 01-Dec-2017 15:05:59 | 284 | 714.0000 | XLON | 84403844000100099- E0XoSHfJqidL20171201 |
| 01-Dec-2017 15:05:59 | 8 | 714.0000 | XLON | 84403844000100099- E0XoSHfJqidH20171201 |
| 01-Dec-2017 15:05:59 | 477 | 714.0000 | XLON | 84403844000100099- E0XoSHfJqidN20171201 |
| 01-Dec-2017 15:05:59 | 214 | 714.0000 | XLON | 84403844000100099- E0XoSHfJqidP20171201 |
| 01-Dec-2017 15:10:34 | 214 | 715.0000 | XLON | 84203842000101894- E0XoSHfJqpww20171201 |
| 01-Dec-2017 15:10:34 | 1184 | 715.0000 | XLON | 84203842000101894- E0XoSHfJqpww20171201 |
| 01-Dec-2017 15:10:34 | 282 | 715.0000 | XLON | 84203842000101894- E0XoSHfJqpwr20171201 |
| 01-Dec-2017 15:10:34 | 51 | 715.0000 | XLON | 84203842000101894- E0XoSHfJqpwp20171201 |
| 01-Dec-2017 15:10:34 | 75 | 715.0000 | XLON | 84203842000101894- E0XoSHfJqpwx20171201 |

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| 01-Dec-2017 15:10:49 | 1813 | 714.5000 | XLON | 84403844000101129- E0XoSHfJqqH920171201 |
| 01-Dec-2017 15:10:49 | 134 | 714.5000 | XLON | 84403844000101129- E0XoSHfJqqH320171201 |
| 01-Dec-2017 15:10:49 | 554 | 714.5000 | XLON | 84403844000101129- E0XoSHfJqqH120171201 |
| 01-Dec-2017 15:10:49 | 1135 | 714.5000 | XLON | 84203842000101895- E0XoSHfJqqGx20171201 |
| 01-Dec-2017 15:10:49 | 751 | 714.5000 | XLON | 84403844000101129- E0XoSHfJqqGz20171201 |
| 01-Dec-2017 15:11:04 | 813 | 714.0000 | XLON | 84203842000101991- E0XoSHfJqqir20171201 |
| 01-Dec-2017 15:11:04 | 377 | 714.0000 | XLON | 84203842000101991- E0XoSHfJqqit20171201 |
| 01-Dec-2017 15:13:11 | 1407 | 713.5000 | XLON | 84203842000101972- E0XoSHfJqu8G20171201 |
| 01-Dec-2017 15:13:11 | 1337 | 714.0000 | XLON | 84203842000102403- E0XoSHfJqu3J20171201 |
| 01-Dec-2017 15:15:07 | 618 | 713.5000 | XLON | 84203842000103085- E0XoSHfJqxrN20171201 |
| 01-Dec-2017 15:15:07 | 214 | 713.5000 | XLON | 84203842000103085- E0XoSHfJqxrL20171201 |
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| 01-Dec-2017 15:20:26 | 3590 | 714.0000 | XLON | 84403844000103882- E0XoSHfJr5Lo20171201 |
| 01-Dec-2017 15:22:32 | 725 | 714.0000 | XLON | 84403844000104568- E0XoSHfJr8M020171201 |
| 01-Dec-2017 15:22:32 | 214 | 714.0000 | XLON | 84403844000104568- E0XoSHfJr8M220171201 |
| 01-Dec-2017 15:22:32 | 92 | 714.0000 | XLON | 84403844000104568- E0XoSHfJr8M420171201 |
| 01-Dec-2017 15:22:39 | 804 | 714.0000 | XLON | 84403844000104612- E0XoSHfJr8aM20171201 |
| 01-Dec-2017 15:24:40 | 950 | 713.0000 | XLON | 84403844000105144- E0XoSHfJrBJU20171201 |
| 01-Dec-2017 15:32:44 | 1157 | 712.5000 | XLON | 84203842000109072- E0XoSHfJrOjn20171201 |
| 01-Dec-2017 15:32:44 | 3124 | 712.5000 | XLON | 84203842000109071- E0XoSHfJrOjl20171201 |
| 01-Dec-2017 15:32:44 | 4049 | 712.5000 | XLON | 84203842000108690- E0XoSHfJrOjf20171201 |
| 01-Dec-2017 15:36:59 | 633 | 714.5000 | XLON | 84403844000109868- E0XoSHfJrVGk20171201 |
| 01-Dec-2017 15:36:59 | 750 | 714.5000 | XLON | 84403844000109868- E0XoSHfJrVGm20171201 |
| 01-Dec-2017 15:39:49 | 706 | 714.5000 | XLON | 84203842000111674- E0XoSHfJrZHe20171201 |
| 01-Dec-2017 15:39:49 | 99 | 714.5000 | XLON | 84203842000111674- E0XoSHfJrZHc20171201 |

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| 01-Dec-2017 15:42:42 | 1694 | 715.0000 | XLON | 84403844000111711- E0XoSHfJrd1j20171201 |
| 01-Dec-2017 15:43:34 | 104 | 714.5000 | XLON | 84403844000111695- E0XoSHfJreEv20171201 |
| 01-Dec-2017 15:43:34 | 1873 | 714.5000 | XLON | 84403844000111695- E0XoSHfJreEs20171201 |
| 01-Dec-2017 15:43:34 | 672 | 714.5000 | XLON | 84403844000111457- E0XoSHfJreEj20171201 |
| 01-Dec-2017 15:46:00 | 573 | 715.0000 | XLON | 84403844000113207- E0XoSHfJriCg20171201 |
| 01-Dec-2017 15:46:00 | 387 | 715.0000 | XLON | 84403844000113207- E0XoSHfJriCk20171201 |
| 01-Dec-2017 15:46:00 | 137 | 715.0000 | XLON | 84403844000113207- E0XoSHfJriCi20171201 |
| 01-Dec-2017 15:47:39 | 270 | 715.0000 | XLON | 84203842000114739- E0XoSHfJrkal20171201 |
| 01-Dec-2017 15:47:39 | 752 | 715.0000 | XLON | 84203842000114739- E0XoSHfJrkaK20171201 |
| 01-Dec-2017 15:47:39 | 75 | 715.0000 | XLON | 84203842000114739- E0XoSHfJrkaG20171201 |
| 01-Dec-2017 15:47:50 | 731 | 714.5000 | XLON | 84203842000113313- E0XoSHfJriC420171201 |
| 01-Dec-2017 15:49:33 | 115 | 715.0000 | XLON | 84403844000114865- E0XoSHfJrnIK20171201 |
| 01-Dec-2017 15:49:33 | 2640 | 715.0000 | XLON | 84403844000114865- E0XoSHfJrnII20171201 |
| 01-Dec-2017 15:52:31 | 2987 | 715.5000 | XLON | 84203842000116675- E0XoSHfJrrJS20171201 |
| 01-Dec-2017 15:52:39 | 718 | 715.5000 | XLON | 84403844000115970- E0XoSHfJrrUF20171201 |
| 01-Dec-2017 15:52:39 | 13 | 715.5000 | XLON | 84403844000115970- E0XoSHfJrrUD20171201 |
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| 01-Dec-2017 15:54:20 | 263 | 715.0000 | XLON | 84403844000116793- E0XoSHfJrtQ620171201 |
| 01-Dec-2017 15:54:20 | 59 | 715.0000 | XLON | 84403844000116793- E0XoSHfJrtQ820171201 |
| 01-Dec-2017 15:54:20 | 387 | 715.0000 | XLON | 84403844000116793- E0XoSHfJrtQA20171201 |
| 01-Dec-2017 15:54:20 | 894 | 715.0000 | XLON | 84403844000116793- E0XoSHfJrtQ420171201 |
| 01-Dec-2017 15:56:24 | 2304 | 715.0000 | XLON | 84403844000117893- E0XoSHfJrw5920171201 |
| 01-Dec-2017 15:57:59 | 1637 | 714.5000 | XLON | 84403844000116041- E0XoSHfJry1j20171201 |
| 01-Dec-2017 15:59:20 | 1126 | 714.5000 | XLON | 84403844000119152- E0XoSHfJs0e920171201 |
| 01-Dec-2017 15:59:20 | 1129 | 714.5000 | XLON | 84403844000119152- E0XoSHfJs0e720171201 |
| 01-Dec-2017 16:00:59 | 881 | 714.0000 | XLON | 84203842000116805- E0XoSHfJs3EE20171201 |

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| 01-Dec-2017 16:01:28 | 1570 | 714.5000 | XLON | 84203842000120918- E0XoSHfJs4Ga20171201 |
| 01-Dec-2017 16:02:40 | 914 | 714.5000 | XLON | 84203842000121473- E0XoSHfJs6cr20171201 |
| 01-Dec-2017 16:03:28 | 2272 | 714.0000 | XLON | 84203842000120827- E0XoSHfJs7hM20171201 |
| 01-Dec-2017 16:06:31 | 765 | 714.5000 | XLON | 84203842000122989- E0XoSHfJsC4q20171201 |
| 01-Dec-2017 16:06:58 | 731 | 714.5000 | XLON | 84403844000122488- E0XoSHfJsCkX20171201 |
| 01-Dec-2017 16:07:28 | 1023 | 714.5000 | XLON | 84203842000123401- E0XoSHfJsDgy20171201 |
| 01-Dec-2017 16:07:40 | 207 | 714.5000 | XLON | 84403844000122779- E0XoSHfJsEDh20171201 |
| 01-Dec-2017 16:07:40 | 1290 | 714.5000 | XLON | 84403844000122779- E0XoSHfJsEDj20171201 |
| 01-Dec-2017 16:07:40 | 900 | 714.5000 | XLON | 84403844000122779- E0XoSHfJsEDI20171201 |
| 01-Dec-2017 16:08:53 | 845 | 714.0000 | XLON | 84403844000123473- E0XoSHfJsJpW20171201 |
| 01-Dec-2017 16:09:20 | 732 | 714.0000 | XLON | 84203842000124559- E0XoSHfJsMYN20171201 |
| 01-Dec-2017 16:11:22 | 462 | 714.5000 | XLON | 84203842000125818- E0XoSHfJsVMT20171201 |
| 01-Dec-2017 16:11:22 | 145 | 714.5000 | XLON | 84203842000125818- E0XoSHfJsVMV20171201 |
| 01-Dec-2017 16:11:23 | 1077 | 714.5000 | XLON | 84403844000125108- E0XoSHfJsVOh20171201 |
| 01-Dec-2017 16:11:50 | 950 | 714.0000 | XLON | 84403844000125361- E0XoSHfJsWsP20171201 |
| 01-Dec-2017 16:11:50 | 274 | 714.0000 | XLON | 84203842000126081- E0XoSHfJsWsh20171201 |
| 01-Dec-2017 16:11:50 | 457 | 714.0000 | XLON | 84203842000126081- E0XoSHfJsWsj20171201 |
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| 01-Dec-2017 16:12:20 | 615 | 713.5000 | XLON | 84203842000126195- E0XoSHfJsaVu20171201 |
| 01-Dec-2017 16:12:24 | 20 | 713.0000 | XLON | 84203842000126413- E0XoSHfJsako20171201 |
| 01-Dec-2017 16:12:24 | 209 | 713.0000 | XLON | 84203842000126413- E0XoSHfJsakb20171201 |
| 01-Dec-2017 16:13:28 | 1882 | 712.5000 | XLON | 84403844000126228- E0XoSHfJsgUW20171201 |
| 01-Dec-2017 16:13:28 | 906 | 712.5000 | XLON | 84203842000126440- E0XoSHfJsgUU20171201 |
| 01-Dec-2017 16:14:00 | 407 | 712.0000 | XLON | 84203842000127266- E0XoSHfJsklu20171201 |
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| 01-Dec-2017 16:14:05 | 1379 | 711.0000 | XLON | 84203842000127267- E0XoSHfJsl9V20171201 |
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| 01-Dec-2017 16:16:56 | 1198 | 713.5000 | XLON | 84203842000129795- E0XoSHfJszvS20171201 |
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| 01-Dec-2017 16:20:00 | 768 | 714.0000 | XLON | 84403844000130624- E0XoSHfJt9HO20171201 |
| 01-Dec-2017 16:20:28 | 656 | 714.0000 | XLON | 84203842000131526- E0XoSHfJtB3y20171201 |
| 01-Dec-2017 16:20:28 | 1038 | 714.0000 | XLON | 84203842000131475- E0XoSHfJtB3q20171201 |
| 01-Dec-2017 16:20:28 | 666 | 714.0000 | XLON | 84203842000131526- E0XoSHfJtB3w20171201 |
| 01-Dec-2017 16:21:50 | 731 | 714.0000 | XLON | 84203842000132466- E0XoSHfJtFBb20171201 |
| 01-Dec-2017 16:24:03 | 1120 | 713.5000 | XLON | 84203842000133902- E0XoSHfJtLeF20171201 |
| 01-Dec-2017 16:24:05 | 71 | 713.0000 | XLON | 84203842000134001- E0XoSHfJtLvo20171201 |
| 01-Dec-2017 16:24:39 | 3144 | 713.0000 | XLON | 84403844000133781- E0XoSHfJtO1t20171201 |
| 01-Dec-2017 16:24:39 | 1214 | 713.0000 | XLON | 84203842000134499- E0XoSHfJtO1x20171201 |
| 01-Dec-2017 16:24:39 | 3458 | 713.0000 | XLON | 84203842000134477- E0XoSHfJtO1v20171201 |
| 01-Dec-2017 16:27:29 | 1116 | 713.0000 | XLON | 84403844000135051- E0XoSHfJtX2Q20171201 |
| 01-Dec-2017 16:27:35 | 1116 | 712.5000 | XLON | 84203842000135778- E0XoSHfJtXNG20171201 |
| 01-Dec-2017 16:28:38 | 1116 | 712.0000 | XLON | 84403844000135052- E0XoSHfJtbGd20171201 |
| 01-Dec-2017 16:29:36 | 731 | 713.0000 | XLON | 84203842000138439- E0XoSHfJtf9u20171201 |
| 01-Dec-2017 16:29:56 | 167 | 712.5000 | XLON | 84203842000138765- E0XoSHfJtgjW20171201 |
| 01-Dec-2017 16:29:57 | 305 | 712.5000 | XLON | 84203842000138765- E0XoSHfJtgmX20171201 |