

Broker	Transaction Date and Time	Volume	Price (GBP)	Platform	Transaction Reference Number
J.P. Morgan Securities plc	29-Jul-2019 08:01:26	99	6172.0000	XLON	1150211500001931-E0et8NEidF920190729
J.P. Morgan Securities plc	29-Jul-2019 08:02:06	91	6170.0000	XLON	1150211500001722-E0et8NEieUt20190729
J.P. Morgan Securities plc	29-Jul-2019 08:02:06	126	6170.0000	XLON	1150211500001721-E0et8NEieUr20190729
J.P. Morgan Securities plc	29-Jul-2019 08:02:14	117	6176.0000	XLON	0150201500002253-E0et8NEiemN20190729
J.P. Morgan Securities plc	29-Jul-2019 08:04:15	141	6192.0000	XLON	11502115000003311-E0et8NEii4C20190729
J.P. Morgan Securities plc	29-Jul-2019 08:04:15	117	6190.0000	XLON	01502015000002839-E0et8NEii4L20190729
J.P. Morgan Securities plc	29-Jul-2019 08:04:15	90	6188.0000	XLON	01502015000002799-E0et8NEii4c20190729
J.P. Morgan Securities plc	29-Jul-2019 08:04:26	7	6184.0000	XLON	11502115000003530-E0et8NEiiTB20190729
J.P. Morgan Securities plc	29-Jul-2019 08:04:48	110	6184.0000	XLON	11502115000003530-E0et8NEij1k20190729
J.P. Morgan Securities plc	29-Jul-2019 08:06:02	99	6180.0000	XLON	01502015000004113-E0et8NEimID20190729
J.P. Morgan Securities plc	29-Jul-2019 08:07:03	90	6178.0000	XLON	11502115000003502-E0et8NEnipwP20190729
J.P. Morgan Securities plc	29-Jul-2019 08:08:11	34	6178.0000	XLON	01502015000004885-E0et8NEnit4J20190729
J.P. Morgan Securities plc	29-Jul-2019 08:08:11	2	6178.0000	XLON	01502015000004885-E0et8NEnit4H20190729
J.P. Morgan Securities plc	29-Jul-2019 08:08:30	18	6178.0000	XLON	11502115000005005-E0et8NEnit820190729
J.P. Morgan Securities plc	29-Jul-2019 08:08:30	64	6178.0000	XLON	11502115000005005-E0et8NEnitRA20190729
J.P. Morgan Securities plc	29-Jul-2019 08:09:21	23	6184.0000	XLON	11502115000005201-E0et8NEnivso20190729
J.P. Morgan Securities plc	29-Jul-2019 08:09:41	90	6184.0000	XLON	11502115000005290-E0et8NEniwWA20190729
J.P. Morgan Securities plc	29-Jul-2019 08:09:41	12	6184.0000	XLON	11502115000005290-E0et8NEniwW820190729
J.P. Morgan Securities plc	29-Jul-2019 08:10:45	108	6180.0000	XLON	01502015000005131-E0et8NEniyuU20190729
J.P. Morgan Securities plc	29-Jul-2019 08:11:17	35	6194.0000	XLON	01502015000005622-E0et8NEizq320190729
J.P. Morgan Securities plc	29-Jul-2019 08:11:36	26	6194.0000	XLON	01502015000005731-E0et8NEj0Ts20190729
J.P. Morgan Securities plc	29-Jul-2019 08:11:36	1	6194.0000	XLON	01502015000005731-E0et8NEj0Tq20190729
J.P. Morgan Securities plc	29-Jul-2019 08:11:36	75	6194.0000	XLON	01502015000005731-E0et8NEj0To20190729
J.P. Morgan Securities plc	29-Jul-2019 08:11:56	197	6188.0000	XLON	01502015000005564-E0et8NEj15320190729
J.P. Morgan Securities plc	29-Jul-2019 08:12:41	277	6202.0000	XLON	01502015000006003-E0et8NEj2MK20190729
J.P. Morgan Securities plc	29-Jul-2019 08:13:21	135	6198.0000	XLON	11502115000006063-E0et8NEj3bC20190729
J.P. Morgan Securities plc	29-Jul-2019 08:14:21	144	6196.0000	XLON	11502115000006915-E0et8NEj55j20190729
J.P. Morgan Securities plc	29-Jul-2019 08:16:14	75	6208.0000	XLON	01502015000007567-E0et8NEj9Xv20190729
J.P. Morgan Securities plc	29-Jul-2019 08:16:35	99	6206.0000	XLON	01502015000007579-E0et8NEjAlo20190729
J.P. Morgan Securities plc	29-Jul-2019 08:17:41	68	6208.0000	XLON	11502115000008046-E0et8NEjCXZ20190729
J.P. Morgan Securities plc	29-Jul-2019 08:17:41	132	6208.0000	XLON	11502115000008046-E0et8NEjCXX20190729
J.P. Morgan Securities plc	29-Jul-2019 08:19:41	75	6220.0000	XLON	01502015000008549-E0et8NEjFu720190729
J.P. Morgan Securities plc	29-Jul-2019 08:19:55	177	6218.0000	XLON	01502015000008479-E0et8NEjGMQ20190729
J.P. Morgan Securities plc	29-Jul-2019 08:20:26	101	6216.0000	XLON	01502015000008699-E0et8NEjHog20190729
J.P. Morgan Securities plc	29-Jul-2019 08:20:26	8	6216.0000	XLON	01502015000008699-E0et8NEjHoi20190729
J.P. Morgan Securities plc	29-Jul-2019 08:21:13	91	6220.0000	XLON	01502015000009066-E0et8NEjlv620190729
J.P. Morgan Securities plc	29-Jul-2019 08:21:34	216	6218.0000	XLON	01502015000009040-E0et8NEjJOA20190729
J.P. Morgan Securities plc	29-Jul-2019 08:22:49	90	6218.0000	XLON	11502115000009571-E0et8NEjLfp20190729
J.P. Morgan Securities plc	29-Jul-2019 08:23:55	90	6218.0000	XLON	01502015000009776-E0et8NEjNPY20190729
J.P. Morgan Securities plc	29-Jul-2019 08:24:21	96	6218.0000	XLON	11502115000010017-E0et8NEjNy720190729
J.P. Morgan Securities plc	29-Jul-2019 08:24:21	58	6218.0000	XLON	11502115000010017-E0et8NEjNy520190729
J.P. Morgan Securities plc	29-Jul-2019 08:26:21	58	6222.0000	XLON	11502115000010705-E0et8NEjRLE20190729
J.P. Morgan Securities plc	29-Jul-2019 08:26:30	102	6226.0000	XLON	11502115000010776-E0et8NEjRdK20190729
J.P. Morgan Securities plc	29-Jul-2019 08:27:12	194	6222.0000	XLON	01502015000010647-E0et8NEjSZJ20190729
J.P. Morgan Securities plc	29-Jul-2019 08:27:41	26	6218.0000	XLON	01502015000011166-E0et8NEjTPW20190729
J.P. Morgan Securities plc	29-Jul-2019 08:27:41	3	6218.0000	XLON	01502015000011166-E0et8NEjTPa20190729
J.P. Morgan Securities plc	29-Jul-2019 08:27:41	82	6218.0000	XLON	01502015000011166-E0et8NEjTPY20190729
J.P. Morgan Securities plc	29-Jul-2019 08:27:44	99	6214.0000	XLON	11502115000011252-E0et8NEjTUD20190729
J.P. Morgan Securities plc	29-Jul-2019 08:28:46	91	6212.0000	XLON	01502015000011622-E0et8NEjUhp20190729
J.P. Morgan Securities plc	29-Jul-2019 08:29:21	97	6210.0000	XLON	11502115000011947-E0et8NEjVfn20190729
J.P. Morgan Securities plc	29-Jul-2019 08:31:22	17	6220.0000	XLON	11502115000012474-E0et8NEjYI420190729
J.P. Morgan Securities plc	29-Jul-2019 08:31:22	161	6220.0000	XLON	11502115000012474-E0et8NEjYI620190729
J.P. Morgan Securities plc	29-Jul-2019 08:31:26	163	6218.0000	XLON	01502015000012327-E0et8NEjYs420190729
J.P. Morgan Securities plc	29-Jul-2019 08:31:26	20	6218.0000	XLON	01502015000012327-E0et8NEjYs220190729
J.P. Morgan Securities plc	29-Jul-2019 08:31:38	90	6216.0000	XLON	11502115000012206-E0et8NEjZ9J20190729
J.P. Morgan Securities plc	29-Jul-2019 08:32:41	77	6210.0000	XLON	11502115000012825-E0et8NEjaPw20190729
J.P. Morgan Securities plc	29-Jul-2019 08:32:41	58	6210.0000	XLON	11502115000012825-E0et8NEjaPu20190729
J.P. Morgan Securities plc	29-Jul-2019 08:34:41	40	6218.0000	XLON	01502015000013003-E0et8NEjndFT20190729
J.P. Morgan Securities plc	29-Jul-2019 08:34:41	75	6218.0000	XLON	01502015000013003-E0et8NEjndFP20190729
J.P. Morgan Securities plc	29-Jul-2019 08:34:41	43	6218.0000	XLON	01502015000013003-E0et8NEjndFR20190729
J.P. Morgan Securities plc	29-Jul-2019 08:36:59	108	6226.0000	XLON	01502015000013491-E0et8NEjngIX20190729
J.P. Morgan Securities plc	29-Jul-2019 08:37:49	168	6228.0000	XLON	01502015000013691-E0et8NEjnhRX20190729
J.P. Morgan Securities plc	29-Jul-2019 08:38:31	184	6226.0000	XLON	01502015000013649-E0et8NEjnjQn20190729
J.P. Morgan Securities plc	29-Jul-2019 08:39:21	71	6228.0000	XLON	11502115000014088-E0et8NEjnjVO20190729
J.P. Morgan Securities plc	29-Jul-2019 08:39:49	71	6234.0000	XLON	01502015000014031-E0et8NEjnk2B20190729
J.P. Morgan Securities plc	29-Jul-2019 08:40:04	50	6230.0000	XLON	11502115000014129-E0et8NEjnkPI20190729
J.P. Morgan Securities plc	29-Jul-2019 08:40:35	40	6230.0000	XLON	11502115000014129-E0et8NEjnl7k20190729
J.P. Morgan Securities plc	29-Jul-2019 08:40:35	90	6228.0000	XLON	11502115000014119-E0et8NEjnl8920190729
J.P. Morgan Securities plc	29-Jul-2019 08:41:01	64	6228.0000	XLON	01502015000014181-E0et8NEjnlDs20190729
J.P. Morgan Securities plc	29-Jul-2019 08:41:01	26	6228.0000	XLON	01502015000014181-E0et8NEjnlDq20190729
J.P. Morgan Securities plc	29-Jul-2019 08:41:01	53	6228.0000	XLON	01502015000014181-E0et8NEjnlDu20190729
J.P. Morgan Securities plc	29-Jul-2019 08:43:01	56	6236.0000	XLON	11502115000014758-E0et8NEjnfF220190729
J.P. Morgan Securities plc	29-Jul-2019 08:43:01	26	6236.0000	XLON	11502115000014758-E0et8NEjnfF420190729
J.P. Morgan Securities plc	29-Jul-2019 08:43:01	26	6236.0000	XLON	11502115000014758-E0et8NEjnfF020190729
J.P. Morgan Securities plc	29-Jul-2019 08:44:21	70	6234.0000	XLON	11502115000015560-E0et8NEjnxJ20190729
J.P. Morgan Securities plc	29-Jul-2019 08:44:21	52	6234.0000	XLON	11502115000015560-E0et8NEjnxH20190729
J.P. Morgan Securities plc	29-Jul-2019 08:47:11	216	6240.0000	XLON	01502015000016603-E0et8NEjnjN20190729
J.P. Morgan Securities plc	29-Jul-2019 08:47:11	90	6240.0000	XLON	11502115000016801-E0et8NEjnjP20190729

J.P. Morgan Securities plc	29-Jul-2019 08:47:11	101	6240.0000	XLON	01502015000016787-E0et8NEnjuji20190729
J.P. Morgan Securities plc	29-Jul-2019 08:48:36	130	6236.0000	XLON	11502115000016910-E0et8NEnjwTF20190729
J.P. Morgan Securities plc	29-Jul-2019 08:49:11	7	6238.0000	XLON	11502115000017191-E0et8NEnjx6Y20190729
J.P. Morgan Securities plc	29-Jul-2019 08:49:11	84	6238.0000	XLON	11502115000017191-E0et8NEnjx6V20190729
J.P. Morgan Securities plc	29-Jul-2019 08:49:11	7	6238.0000	XLON	11502115000017191-E0et8NEnjx6a20190729
J.P. Morgan Securities plc	29-Jul-2019 08:49:36	64	6242.0000	XLON	11502115000017245-E0et8NEnjxW320190729
J.P. Morgan Securities plc	29-Jul-2019 08:49:36	30	6242.0000	XLON	11502115000017245-E0et8NEnjxW520190729
J.P. Morgan Securities plc	29-Jul-2019 08:50:31	53	6246.0000	XLON	11502115000017369-E0et8NEnjydT20190729
J.P. Morgan Securities plc	29-Jul-2019 08:50:31	75	6246.0000	XLON	11502115000017369-E0et8NEnjydR20190729
J.P. Morgan Securities plc	29-Jul-2019 08:50:47	99	6242.0000	XLON	01502015000017210-E0et8NEnjyvd20190729
J.P. Morgan Securities plc	29-Jul-2019 08:52:44	122	6252.0000	XLON	01502015000017613-E0et8NEnk0fq20190729
J.P. Morgan Securities plc	29-Jul-2019 08:52:44	166	6252.0000	XLON	01502015000017602-E0et8NEnk0fk20190729
J.P. Morgan Securities plc	29-Jul-2019 08:52:44	109	6252.0000	XLON	11502115000017738-E0et8NEnk0fo20190729
J.P. Morgan Securities plc	29-Jul-2019 08:53:36	129	6248.0000	XLON	01502015000017557-E0et8NEnk1l320190729
J.P. Morgan Securities plc	29-Jul-2019 08:55:01	115	6254.0000	XLON	11502115000018077-E0et8NEnk4BG20190729
J.P. Morgan Securities plc	29-Jul-2019 08:55:01	146	6256.0000	XLON	11502115000018087-E0et8NEnk49p20190729
J.P. Morgan Securities plc	29-Jul-2019 08:55:01	136	6256.0000	XLON	01502015000018022-E0et8NEnk49r20190729
J.P. Morgan Securities plc	29-Jul-2019 08:56:58	111	6256.0000	XLON	01502015000018238-E0et8NEnk6yR20190729
J.P. Morgan Securities plc	29-Jul-2019 08:56:58	75	6256.0000	XLON	11502115000018462-E0et8NEnk6yg20190729
J.P. Morgan Securities plc	29-Jul-2019 08:56:58	26	6256.0000	XLON	11502115000018462-E0et8NEnk6yi20190729
J.P. Morgan Securities plc	29-Jul-2019 08:57:41	73	6254.0000	XLON	11502115000018558-E0et8NEnk7qg20190729
J.P. Morgan Securities plc	29-Jul-2019 08:57:41	26	6254.0000	XLON	11502115000018558-E0et8NEnk7qi20190729
J.P. Morgan Securities plc	29-Jul-2019 08:58:16	71	6252.0000	XLON	01502015000018428-E0et8NEnk8ll20190729
J.P. Morgan Securities plc	29-Jul-2019 08:58:16	61	6252.0000	XLON	01502015000018428-E0et8NEnk8lG20190729
J.P. Morgan Securities plc	29-Jul-2019 08:59:48	33	6256.0000	XLON	11502115000019305-E0et8NEnkBCA20190729
J.P. Morgan Securities plc	29-Jul-2019 08:59:48	21	6256.0000	XLON	11502115000019305-E0et8NEnkBC620190729
J.P. Morgan Securities plc	29-Jul-2019 08:59:48	57	6256.0000	XLON	11502115000019305-E0et8NEnkBC820190729
J.P. Morgan Securities plc	29-Jul-2019 09:00:02	3	6254.0000	XLON	11502115000019046-E0et8NEnkBRF20190729
J.P. Morgan Securities plc	29-Jul-2019 09:00:02	142	6254.0000	XLON	11502115000019046-E0et8NEnkBRD20190729
J.P. Morgan Securities plc	29-Jul-2019 09:00:02	7	6254.0000	XLON	11502115000019046-E0et8NEnkBRH20190729
J.P. Morgan Securities plc	29-Jul-2019 09:01:19	94	6260.0000	XLON	11502115000019596-E0et8NEnkDNx20190729
J.P. Morgan Securities plc	29-Jul-2019 09:01:20	94	6260.0000	XLON	01502015000019488-E0et8NEnkDNz20190729
J.P. Morgan Securities plc	29-Jul-2019 09:03:20	83	6260.0000	XLON	11502115000020148-E0et8NEnkGOd20190729
J.P. Morgan Securities plc	29-Jul-2019 09:03:20	26	6260.0000	XLON	11502115000020148-E0et8NEnkGOf20190729
J.P. Morgan Securities plc	29-Jul-2019 09:03:55	130	6258.0000	XLON	11502115000019988-E0et8NEnkHDq20190729
J.P. Morgan Securities plc	29-Jul-2019 09:04:41	7	6256.0000	XLON	01502015000020233-E0et8NEnkIbv20190729
J.P. Morgan Securities plc	29-Jul-2019 09:04:41	7	6256.0000	XLON	01502015000020233-E0et8NEnkIbx20190729
J.P. Morgan Securities plc	29-Jul-2019 09:04:59	100	6254.0000	XLON	11502115000020308-E0et8NEnkIR020190729
J.P. Morgan Securities plc	29-Jul-2019 09:04:59	29	6254.0000	XLON	11502115000020308-E0et8NEnkIQy20190729
J.P. Morgan Securities plc	29-Jul-2019 09:06:56	107	6256.0000	XLON	01502015000020529-E0et8NEnkKkB20190729
J.P. Morgan Securities plc	29-Jul-2019 09:06:56	13	6256.0000	XLON	01502015000020529-E0et8NEnkKk920190729
J.P. Morgan Securities plc	29-Jul-2019 09:07:41	56	6256.0000	XLON	11502115000020870-E0et8NEnkLT920190729
J.P. Morgan Securities plc	29-Jul-2019 09:07:41	75	6256.0000	XLON	11502115000020870-E0et8NEnkLTB20190729
J.P. Morgan Securities plc	29-Jul-2019 09:07:41	11	6256.0000	XLON	11502115000020870-E0et8NEnkLTD20190729
J.P. Morgan Securities plc	29-Jul-2019 09:08:06	43	6254.0000	XLON	11502115000020641-E0et8NEnkLvh20190729
J.P. Morgan Securities plc	29-Jul-2019 09:08:06	99	6254.0000	XLON	11502115000020641-E0et8NEnkLvp20190729
J.P. Morgan Securities plc	29-Jul-2019 09:10:32	52	6258.0000	XLON	01502015000021081-E0et8NEnkOk520190729
J.P. Morgan Securities plc	29-Jul-2019 09:11:44	38	6264.0000	XLON	01502015000021215-E0et8NEnkQ4n20190729
J.P. Morgan Securities plc	29-Jul-2019 09:11:44	75	6264.0000	XLON	01502015000021215-E0et8NEnkQ4p20190729
J.P. Morgan Securities plc	29-Jul-2019 09:12:11	106	6262.0000	XLON	11502115000021336-E0et8NEnkR9W20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	2	6264.0000	XLON	11502115000021768-E0et8NEnkTMV20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	92	6262.0000	XLON	11502115000021666-E0et8NEnkTM620190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	81	6262.0000	XLON	11502115000021672-E0et8NEnkTMA20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	13	6264.0000	XLON	11502115000021768-E0et8NEnkTMT20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	39	6264.0000	XLON	11502115000021768-E0et8NEnkTMX20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	75	6262.0000	XLON	11502115000021768-E0et8NEnkTMN20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	50	6262.0000	XLON	11502115000021768-E0et8NEnkTMP20190729
J.P. Morgan Securities plc	29-Jul-2019 09:14:21	40	6264.0000	XLON	11502115000021768-E0et8NEnkTMR20190729
J.P. Morgan Securities plc	29-Jul-2019 09:16:01	40	6260.0000	XLON	11502115000022180-E0et8NEnkVLf20190729
J.P. Morgan Securities plc	29-Jul-2019 09:16:01	57	6260.0000	XLON	11502115000022180-E0et8NEnkVLd20190729
J.P. Morgan Securities plc	29-Jul-2019 09:16:28	103	6270.0000	XLON	01502015000022256-E0et8NEnkXDq20190729
J.P. Morgan Securities plc	29-Jul-2019 09:17:49	95	6272.0000	XLON	01502015000022491-E0et8NEnkZCT20190729
J.P. Morgan Securities plc	29-Jul-2019 09:17:49	91	6272.0000	XLON	01502015000022491-E0et8NEnkZCR20190729
J.P. Morgan Securities plc	29-Jul-2019 09:17:50	111	6270.0000	XLON	01502015000022393-E0et8NEnkZD220190729
J.P. Morgan Securities plc	29-Jul-2019 09:19:59	157	6272.0000	XLON	01502015000022798-E0et8NEnkcTK20190729
J.P. Morgan Securities plc	29-Jul-2019 09:20:00	24	6270.0000	XLON	01502015000022790-E0et8NEnkcXX20190729
J.P. Morgan Securities plc	29-Jul-2019 09:20:00	15	6270.0000	XLON	01502015000022790-E0et8NEnkcXR20190729
J.P. Morgan Securities plc	29-Jul-2019 09:20:00	105	6270.0000	XLON	01502015000022790-E0et8NEnkcXT20190729
J.P. Morgan Securities plc	29-Jul-2019 09:21:01	127	6268.0000	XLON	11502115000023198-E0et8NEnkdUd20190729
J.P. Morgan Securities plc	29-Jul-2019 09:21:01	52	6268.0000	XLON	11502115000023198-E0et8NEnkdUf20190729
J.P. Morgan Securities plc	29-Jul-2019 09:22:41	138	6272.0000	XLON	01502015000023227-E0et8NEnkfAn20190729
J.P. Morgan Securities plc	29-Jul-2019 09:23:40	129	6270.0000	XLON	11502115000023352-E0et8NEnkjiU20190729
J.P. Morgan Securities plc	29-Jul-2019 09:25:26	30	6276.0000	XLON	11502115000023822-E0et8NEnkiOU20190729
J.P. Morgan Securities plc	29-Jul-2019 09:25:26	40	6276.0000	XLON	11502115000023822-E0et8NEnkiOW20190729
J.P. Morgan Securities plc	29-Jul-2019 09:25:41	117	6274.0000	XLON	11502115000023813-E0et8NEnkicq20190729
J.P. Morgan Securities plc	29-Jul-2019 09:26:00	113	6272.0000	XLON	11502115000023750-E0et8NEnkiwH20190729
J.P. Morgan Securities plc	29-Jul-2019 09:26:00	23	6272.0000	XLON	01502015000023691-E0et8NEnkiwJ20190729
J.P. Morgan Securities plc	29-Jul-2019 09:26:40	14	6278.0000	XLON	01502015000023866-E0et8NEnkjrO20190729
J.P. Morgan Securities plc	29-Jul-2019 09:26:54	1	6280.0000	XLON	11502115000024020-E0et8NEnkk9L20190729

J.P. Morgan Securities plc	29-Jul-2019 09:26:54	44	6280.0000	XLON	11502115000024020-E0et8NEnkk9P20190729
J.P. Morgan Securities plc	29-Jul-2019 09:26:54	52	6280.0000	XLON	11502115000024020-E0et8NEnkk9N20190729
J.P. Morgan Securities plc	29-Jul-2019 09:27:41	47	6282.0000	XLON	11502115000024194-E0et8NEnkic320190729
J.P. Morgan Securities plc	29-Jul-2019 09:27:41	51	6282.0000	XLON	11502115000024194-E0et8NEnkic120190729
J.P. Morgan Securities plc	29-Jul-2019 09:27:41	53	6282.0000	XLON	11502115000024194-E0et8NEnkic520190729
J.P. Morgan Securities plc	29-Jul-2019 09:28:48	29	6278.0000	XLON	01502015000023886-E0et8NEnkmqN20190729
J.P. Morgan Securities plc	29-Jul-2019 09:28:48	85	6278.0000	XLON	01502015000023866-E0et8NEnkmqL20190729
J.P. Morgan Securities plc	29-Jul-2019 09:29:21	75	6282.0000	XLON	11502115000024364-E0et8NEnknL020190729
J.P. Morgan Securities plc	29-Jul-2019 09:29:21	7	6282.0000	XLON	11502115000024364-E0et8NEnknL220190729
J.P. Morgan Securities plc	29-Jul-2019 09:31:01	75	6282.0000	XLON	01502015000024423-E0et8NEnkpOb20190729
J.P. Morgan Securities plc	29-Jul-2019 09:31:43	106	6280.0000	XLON	01502015000024248-E0et8NEnkqCO20190729
J.P. Morgan Securities plc	29-Jul-2019 09:33:30	107	6282.0000	XLON	01502015000024703-E0et8NEnksqs20190729
J.P. Morgan Securities plc	29-Jul-2019 09:33:30	175	6282.0000	XLON	01502015000024681-E0et8NEnksqq20190729
J.P. Morgan Securities plc	29-Jul-2019 09:34:20	112	6280.0000	XLON	01502015000024757-E0et8NEnkU520190729
J.P. Morgan Securities plc	29-Jul-2019 09:34:41	28	6280.0000	XLON	01502015000024985-E0et8NEnktnS20190729
J.P. Morgan Securities plc	29-Jul-2019 09:35:09	108	6276.0000	XLON	01502015000024885-E0et8NEnkuTs20190729
J.P. Morgan Securities plc	29-Jul-2019 09:35:09	135	6278.0000	XLON	11502115000024980-E0et8NEnkuTS20190729
J.P. Morgan Securities plc	29-Jul-2019 09:37:03	117	6276.0000	XLON	01502015000025503-E0et8NEnkwe020190729
J.P. Morgan Securities plc	29-Jul-2019 09:37:59	117	6276.0000	XLON	01502015000025557-E0et8NEnkxTn20190729
J.P. Morgan Securities plc	29-Jul-2019 09:39:06	95	6282.0000	XLON	01502015000025684-E0et8NEnkyp620190729
J.P. Morgan Securities plc	29-Jul-2019 09:39:27	117	6280.0000	XLON	01502015000025722-E0et8NEnkzBh20190729
J.P. Morgan Securities plc	29-Jul-2019 09:41:24	75	6282.0000	XLON	01502015000025928-E0et8NEnl13H20190729
J.P. Morgan Securities plc	29-Jul-2019 09:43:12	2	6286.0000	XLON	01502015000026030-E0et8NEnl2ra20190729
J.P. Morgan Securities plc	29-Jul-2019 09:43:12	122	6286.0000	XLON	01502015000026030-E0et8NEnl2rY20190729
J.P. Morgan Securities plc	29-Jul-2019 09:43:24	124	6284.0000	XLON	11502115000026133-E0et8NEnl3C120190729
J.P. Morgan Securities plc	29-Jul-2019 09:45:51	50	6290.0000	XLON	01502015000026360-E0et8NEnl5mN20190729
J.P. Morgan Securities plc	29-Jul-2019 09:45:51	1	6290.0000	XLON	01502015000026360-E0et8NEnl5mJ20190729
J.P. Morgan Securities plc	29-Jul-2019 09:45:51	36	6290.0000	XLON	01502015000026360-E0et8NEnl5mP20190729
J.P. Morgan Securities plc	29-Jul-2019 09:45:51	75	6290.0000	XLON	01502015000026360-E0et8NEnl5mL20190729
J.P. Morgan Securities plc	29-Jul-2019 09:46:01	107	6290.0000	XLON	11502115000026474-E0et8NEnl5wa20190729
J.P. Morgan Securities plc	29-Jul-2019 09:49:15	139	6292.0000	XLON	11502115000026896-E0et8NEnl8cU20190729
J.P. Morgan Securities plc	29-Jul-2019 09:49:15	127	6292.0000	XLON	01502015000026575-E0et8NEnl8cK20190729
J.P. Morgan Securities plc	29-Jul-2019 09:49:15	4	6292.0000	XLON	11502115000026896-E0et8NEnl8cO20190729
J.P. Morgan Securities plc	29-Jul-2019 09:49:15	116	6292.0000	XLON	11502115000026655-E0et8NEnl8cl20190729
J.P. Morgan Securities plc	29-Jul-2019 09:49:21	110	6292.0000	XLON	01502015000026804-E0et8NEnl8kb20190729
J.P. Morgan Securities plc	29-Jul-2019 09:51:01	75	6296.0000	XLON	01502015000027223-E0et8NEnlAEw20190729
J.P. Morgan Securities plc	29-Jul-2019 09:51:01	44	6296.0000	XLON	01502015000027223-E0et8NEnlAF020190729
J.P. Morgan Securities plc	29-Jul-2019 09:51:01	50	6296.0000	XLON	01502015000027223-E0et8NEnlAEy20190729
J.P. Morgan Securities plc	29-Jul-2019 09:53:23	75	6306.0000	XLON	01502015000027540-E0et8NEnlCNu20190729
J.P. Morgan Securities plc	29-Jul-2019 09:53:23	50	6306.0000	XLON	01502015000027540-E0et8NEnlCNw20190729
J.P. Morgan Securities plc	29-Jul-2019 09:54:21	50	6308.0000	XLON	01502015000027646-E0et8NEnlDYi20190729
J.P. Morgan Securities plc	29-Jul-2019 09:54:21	75	6308.0000	XLON	01502015000027646-E0et8NEnlDYg20190729
J.P. Morgan Securities plc	29-Jul-2019 09:55:29	154	6308.0000	XLON	11502115000027891-E0et8NEnlEuK20190729
J.P. Morgan Securities plc	29-Jul-2019 09:56:19	50	6310.0000	XLON	01502015000027924-E0et8NEnlFIA20190729
J.P. Morgan Securities plc	29-Jul-2019 09:56:19	94	6310.0000	XLON	01502015000027924-E0et8NEnlFIC20190729
J.P. Morgan Securities plc	29-Jul-2019 09:56:55	58	6308.0000	XLON	11502115000027984-E0et8NEnlGYb20190729
J.P. Morgan Securities plc	29-Jul-2019 09:56:55	62	6308.0000	XLON	11502115000027984-E0et8NEnlGYZ20190729
J.P. Morgan Securities plc	29-Jul-2019 09:58:40	116	6316.0000	XLON	01502015000028178-E0et8NEnlIKW20190729
J.P. Morgan Securities plc	29-Jul-2019 09:58:40	14	6316.0000	XLON	01502015000028178-E0et8NEnlIKa20190729
J.P. Morgan Securities plc	29-Jul-2019 09:58:42	125	6314.0000	XLON	11502115000028254-E0et8NEnlINP20190729
J.P. Morgan Securities plc	29-Jul-2019 10:00:26	133	6310.0000	XLON	01502015000028261-E0et8NEnlK2G20190729
J.P. Morgan Securities plc	29-Jul-2019 10:00:46	39	6306.0000	XLON	01502015000028213-E0et8NEnlKNS20190729
J.P. Morgan Securities plc	29-Jul-2019 10:01:40	65	6310.0000	XLON	11502115000028559-E0et8NEnlL4M20190729
J.P. Morgan Securities plc	29-Jul-2019 10:01:40	54	6310.0000	XLON	11502115000028559-E0et8NEnlL4O20190729
J.P. Morgan Securities plc	29-Jul-2019 10:04:45	3	6312.0000	XLON	11502115000028887-E0et8NEnlO5c20190729
J.P. Morgan Securities plc	29-Jul-2019 10:04:45	24	6312.0000	XLON	11502115000028887-E0et8NEnlO5f20190729
J.P. Morgan Securities plc	29-Jul-2019 10:04:58	148	6314.0000	XLON	01502015000028805-E0et8NEnlOnS20190729
J.P. Morgan Securities plc	29-Jul-2019 10:05:08	96	6312.0000	XLON	11502115000028887-E0et8NEnlP1220190729
J.P. Morgan Securities plc	29-Jul-2019 10:05:20	118	6310.0000	XLON	01502015000028787-E0et8NEnlPB420190729
J.P. Morgan Securities plc	29-Jul-2019 10:06:26	36	6310.0000	XLON	01502015000028973-E0et8NEnlQ2620190729
J.P. Morgan Securities plc	29-Jul-2019 10:06:26	107	6310.0000	XLON	01502015000028973-E0et8NEnlQ2420190729
J.P. Morgan Securities plc	29-Jul-2019 10:08:03	143	6310.0000	XLON	01502015000029201-E0et8NEnlRFf20190729
J.P. Morgan Securities plc	29-Jul-2019 10:08:03	12	6310.0000	XLON	11502115000029337-E0et8NEnlRFj20190729
J.P. Morgan Securities plc	29-Jul-2019 10:08:03	167	6310.0000	XLON	01502015000029204-E0et8NEnlRFh20190729
J.P. Morgan Securities plc	29-Jul-2019 10:08:03	119	6310.0000	XLON	01502015000029194-E0et8NEnlRFb20190729
J.P. Morgan Securities plc	29-Jul-2019 10:10:57	90	6308.0000	XLON	01502015000029594-E0et8NEnlTaO20190729
J.P. Morgan Securities plc	29-Jul-2019 10:11:01	15	6308.0000	XLON	01502015000029611-E0et8NEnlTcO20190729
J.P. Morgan Securities plc	29-Jul-2019 10:11:01	75	6308.0000	XLON	01502015000029611-E0et8NEnlTby20190729
J.P. Morgan Securities plc	29-Jul-2019 10:13:13	58	6308.0000	XLON	01502015000029949-E0et8NEnlVlb20190729
J.P. Morgan Securities plc	29-Jul-2019 10:13:13	50	6308.0000	XLON	01502015000029949-E0et8NEnlVld20190729
J.P. Morgan Securities plc	29-Jul-2019 10:13:29	109	6306.0000	XLON	01502015000029469-E0et8NEnlVfx20190729
J.P. Morgan Securities plc	29-Jul-2019 10:13:29	103	6306.0000	XLON	11502115000030104-E0et8NEnlVg820190729
J.P. Morgan Securities plc	29-Jul-2019 10:13:29	39	6306.0000	XLON	11502115000030104-E0et8NEnlVgA20190729
J.P. Morgan Securities plc	29-Jul-2019 10:14:28	117	6302.0000	XLON	01502015000030094-E0et8NEnlWID20190729
J.P. Morgan Securities plc	29-Jul-2019 10:16:09	116	6298.0000	XLON	01502015000030095-E0et8NEnlXm520190729
J.P. Morgan Securities plc	29-Jul-2019 10:16:09	126	6300.0000	XLON	11502115000030217-E0et8NEnlXlt20190729
J.P. Morgan Securities plc	29-Jul-2019 10:18:45	49	6280.0000	XLON	11502115000030914-E0et8NEnlaVH20190729
J.P. Morgan Securities plc	29-Jul-2019 10:18:45	68	6280.0000	XLON	11502115000030914-E0et8NEnlaVM20190729
J.P. Morgan Securities plc	29-Jul-2019 10:21:02	99	6290.0000	XLON	11502115000031219-E0et8NEnlcOA20190729

J.P. Morgan Securities plc	29-Jul-2019 10:21:02	117	6288.0000	XLON	11502115000031167-E0et8NEnlcOh20190729
J.P. Morgan Securities plc	29-Jul-2019 10:21:02	116	6290.0000	XLON	01502015000031138-E0et8NEnlcOG20190729
J.P. Morgan Securities plc	29-Jul-2019 10:22:46	121	6284.0000	XLON	11502115000031491-E0et8NEnle7520190729
J.P. Morgan Securities plc	29-Jul-2019 10:24:37	114	6288.0000	XLON	01502015000031549-E0et8NEnlfqX20190729
J.P. Morgan Securities plc	29-Jul-2019 10:26:01	75	6288.0000	XLON	01502015000031793-E0et8NEnlhKu20190729
J.P. Morgan Securities plc	29-Jul-2019 10:28:47	167	6292.0000	XLON	01502015000032099-E0et8NEnlj4F20190729
J.P. Morgan Securities plc	29-Jul-2019 10:28:47	64	6294.0000	XLON	11502115000032233-E0et8NEnlj4Y20190729
J.P. Morgan Securities plc	29-Jul-2019 10:28:47	17	6294.0000	XLON	11502115000032233-E0et8NEnlj4U20190729
J.P. Morgan Securities plc	29-Jul-2019 10:28:47	58	6294.0000	XLON	11502115000032233-E0et8NEnlj4W20190729
J.P. Morgan Securities plc	29-Jul-2019 10:28:47	125	6292.0000	XLON	11502115000032222-E0et8NEnlj4B20190729
J.P. Morgan Securities plc	29-Jul-2019 10:28:47	32	6292.0000	XLON	11502115000032222-E0et8NEnlj4D20190729
J.P. Morgan Securities plc	29-Jul-2019 10:29:59	100	6290.0000	XLON	01502015000032294-E0et8NEnlkGT20190729
J.P. Morgan Securities plc	29-Jul-2019 10:30:35	99	6288.0000	XLON	11502115000032310-E0et8NEnlqks20190729
J.P. Morgan Securities plc	29-Jul-2019 10:31:37	100	6290.0000	XLON	01502015000032520-E0et8NEnlm3U20190729
J.P. Morgan Securities plc	29-Jul-2019 10:32:52	25	6294.0000	XLON	01502015000032671-E0et8NEnlnL920190729
J.P. Morgan Securities plc	29-Jul-2019 10:32:52	75	6294.0000	XLON	01502015000032671-E0et8NEnlnL720190729
J.P. Morgan Securities plc	29-Jul-2019 10:32:58	112	6292.0000	XLON	11502115000032799-E0et8NEnlnRG20190729
J.P. Morgan Securities plc	29-Jul-2019 10:32:58	130	6292.0000	XLON	11502115000032788-E0et8NEnlnRE20190729
J.P. Morgan Securities plc	29-Jul-2019 10:35:04	31	6290.0000	XLON	11502115000033083-E0et8NEnlp1y20190729
J.P. Morgan Securities plc	29-Jul-2019 10:35:44	99	6290.0000	XLON	11502115000033132-E0et8NEnlpal20190729
J.P. Morgan Securities plc	29-Jul-2019 10:35:44	104	6290.0000	XLON	11502115000033083-E0et8NEnlpad20190729
J.P. Morgan Securities plc	29-Jul-2019 10:36:14	14	6288.0000	XLON	11502115000033364-E0et8NEnlqKI20190729
J.P. Morgan Securities plc	29-Jul-2019 10:36:14	76	6288.0000	XLON	11502115000033364-E0et8NEnlqKn20190729
J.P. Morgan Securities plc	29-Jul-2019 10:37:41	108	6292.0000	XLON	01502015000033495-E0et8NEnlrma20190729
J.P. Morgan Securities plc	29-Jul-2019 10:40:00	38	6290.0000	XLON	11502115000033548-E0et8NEnltIS20190729
J.P. Morgan Securities plc	29-Jul-2019 10:40:00	62	6290.0000	XLON	11502115000033548-E0et8NEnltIK20190729
J.P. Morgan Securities plc	29-Jul-2019 10:41:41	122	6294.0000	XLON	11502115000034244-E0et8NEnlvey20190729
J.P. Morgan Securities plc	29-Jul-2019 10:42:23	88	6290.0000	XLON	01502015000034033-E0et8NEnlw5V20190729
J.P. Morgan Securities plc	29-Jul-2019 10:42:51	11	6290.0000	XLON	11502115000034485-E0et8NEnlwLe20190729
J.P. Morgan Securities plc	29-Jul-2019 10:42:51	88	6290.0000	XLON	11502115000034485-E0et8NEnlwLW20190729
J.P. Morgan Securities plc	29-Jul-2019 10:44:21	62	6292.0000	XLON	01502015000034599-E0et8NEnlxG520190729
J.P. Morgan Securities plc	29-Jul-2019 10:44:21	41	6292.0000	XLON	01502015000034599-E0et8NEnlxG120190729
J.P. Morgan Securities plc	29-Jul-2019 10:44:21	50	6292.0000	XLON	01502015000034599-E0et8NEnlxG320190729
J.P. Morgan Securities plc	29-Jul-2019 10:45:42	120	6288.0000	XLON	11502115000034754-E0et8NEnlyDB20190729
J.P. Morgan Securities plc	29-Jul-2019 10:45:42	104	6288.0000	XLON	11502115000033639-E0et8NEnlyD920190729
J.P. Morgan Securities plc	29-Jul-2019 10:46:56	108	6284.0000	XLON	11502115000034997-E0et8NEnlzC120190729
J.P. Morgan Securities plc	29-Jul-2019 10:47:41	34	6286.0000	XLON	01502015000035248-E0et8NEnm0H820190729
J.P. Morgan Securities plc	29-Jul-2019 10:50:46	112	6284.0000	XLON	01502015000035514-E0et8NEnm36F20190729
J.P. Morgan Securities plc	29-Jul-2019 10:50:51	135	6282.0000	XLON	01502015000034856-E0et8NEnm38F20190729
J.P. Morgan Securities plc	29-Jul-2019 10:50:51	97	6280.0000	XLON	11502115000035653-E0et8NEnm38J20190729
J.P. Morgan Securities plc	29-Jul-2019 10:52:37	75	6286.0000	XLON	11502115000036214-E0et8NEnm4II20190729
J.P. Morgan Securities plc	29-Jul-2019 10:52:41	75	6286.0000	XLON	01502015000036094-E0et8NEnm4nc20190729
J.P. Morgan Securities plc	29-Jul-2019 10:54:21	50	6288.0000	XLON	01502015000036361-E0et8NEnm6up20190729
J.P. Morgan Securities plc	29-Jul-2019 10:54:21	75	6288.0000	XLON	01502015000036361-E0et8NEnm6un20190729
J.P. Morgan Securities plc	29-Jul-2019 10:56:10	75	6292.0000	XLON	11502115000036704-E0et8NEnm8Co20190729
J.P. Morgan Securities plc	29-Jul-2019 10:56:10	50	6292.0000	XLON	11502115000036704-E0et8NEnm8Cq20190729
J.P. Morgan Securities plc	29-Jul-2019 10:57:38	114	6290.0000	XLON	11502115000036701-E0et8NEnm9DZ20190729
J.P. Morgan Securities plc	29-Jul-2019 10:57:38	25	6290.0000	XLON	11502115000036701-E0et8NEnm9Dc20190729
J.P. Morgan Securities plc	29-Jul-2019 10:58:00	6	6290.0000	XLON	11502115000036920-E0et8NEnm9Uy20190729
J.P. Morgan Securities plc	29-Jul-2019 10:58:06	75	6288.0000	XLON	01502015000036760-E0et8NEnm9a520190729
J.P. Morgan Securities plc	29-Jul-2019 10:58:12	22	6288.0000	XLON	01502015000036760-E0et8NEnm9bw20190729
J.P. Morgan Securities plc	29-Jul-2019 10:59:38	96	6290.0000	XLON	11502115000037208-E0et8NEnmAev20190729
J.P. Morgan Securities plc	29-Jul-2019 11:01:01	86	6290.0000	XLON	01502015000037356-E0et8NEnmBVa20190729
J.P. Morgan Securities plc	29-Jul-2019 11:03:18	32	6302.0000	XLON	01502015000037637-E0et8NEnmDNV20190729
J.P. Morgan Securities plc	29-Jul-2019 11:03:18	53	6302.0000	XLON	01502015000037637-E0et8NEnmDNR20190729
J.P. Morgan Securities plc	29-Jul-2019 11:03:18	23	6302.0000	XLON	01502015000037637-E0et8NEnmDNT20190729
J.P. Morgan Securities plc	29-Jul-2019 11:04:16	30	6302.0000	XLON	11502115000037814-E0et8NEnmEPI20190729
J.P. Morgan Securities plc	29-Jul-2019 11:04:28	125	6302.0000	XLON	11502115000037814-E0et8NEnmEVh20190729
J.P. Morgan Securities plc	29-Jul-2019 11:04:59	188	6298.0000	XLON	11502115000037823-E0et8NEnmEjv20190729
J.P. Morgan Securities plc	29-Jul-2019 11:06:48	123	6304.0000	XLON	01502015000037904-E0et8NEnmFIT20190729
J.P. Morgan Securities plc	29-Jul-2019 11:06:48	18	6304.0000	XLON	01502015000037904-E0et8NEnmFIV20190729
J.P. Morgan Securities plc	29-Jul-2019 11:07:58	42	6306.0000	XLON	11502115000038091-E0et8NEnmGNt20190729
J.P. Morgan Securities plc	29-Jul-2019 11:08:19	119	6306.0000	XLON	11502115000038091-E0et8NEnmGgD20190729
J.P. Morgan Securities plc	29-Jul-2019 11:10:20	129	6304.0000	XLON	01502015000038210-E0et8NEnmIGo20190729
J.P. Morgan Securities plc	29-Jul-2019 11:10:20	34	6304.0000	XLON	01502015000038210-E0et8NEnmIGm20190729
J.P. Morgan Securities plc	29-Jul-2019 11:10:20	142	6306.0000	XLON	01502015000038333-E0et8NEnmIGK20190729
J.P. Morgan Securities plc	29-Jul-2019 11:11:16	126	6300.0000	XLON	01502015000038618-E0et8NEnmlzg20190729
J.P. Morgan Securities plc	29-Jul-2019 11:14:14	138	6302.0000	XLON	01502015000039084-E0et8NEnmLI820190729
J.P. Morgan Securities plc	29-Jul-2019 11:14:14	106	6302.0000	XLON	11502115000039635-E0et8NEnmLIK20190729
J.P. Morgan Securities plc	29-Jul-2019 11:14:14	137	6302.0000	XLON	11502115000039292-E0et8NEnmLIG20190729
J.P. Morgan Securities plc	29-Jul-2019 11:15:16	90	6302.0000	XLON	11502115000039732-E0et8NEnmMZC20190729
J.P. Morgan Securities plc	29-Jul-2019 11:16:10	11	6300.0000	XLON	01502015000039546-E0et8NEnmNH920190729
J.P. Morgan Securities plc	29-Jul-2019 11:16:10	106	6300.0000	XLON	01502015000039546-E0et8NEnmNH620190729
J.P. Morgan Securities plc	29-Jul-2019 11:16:26	99	6298.0000	XLON	11502115000039661-E0et8NEnmNPg20190729
J.P. Morgan Securities plc	29-Jul-2019 11:18:35	75	6302.0000	XLON	11502115000040072-E0et8NEnmPK020190729
J.P. Morgan Securities plc	29-Jul-2019 11:18:47	100	6300.0000	XLON	01502015000039920-E0et8NEnmPSj20190729
J.P. Morgan Securities plc	29-Jul-2019 11:19:58	90	6304.0000	XLON	11502115000040185-E0et8NEnmQGP20190729
J.P. Morgan Securities plc	29-Jul-2019 11:20:23	118	6302.0000	XLON	11502115000040172-E0et8NEnmQmp20190729
J.P. Morgan Securities plc	29-Jul-2019 11:21:30	96	6304.0000	XLON	01502015000040273-E0et8NEnmRX020190729

J.P. Morgan Securities plc	29-Jul-2019 11:21:59	2	6302.0000	XLON	11502115000040376-E0et8NEnmRpJ20190729
J.P. Morgan Securities plc	29-Jul-2019 11:21:59	91	6302.0000	XLON	11502115000040376-E0et8NEnmRpH20190729
J.P. Morgan Securities plc	29-Jul-2019 11:25:35	94	6308.0000	XLON	01502015000040725-E0et8NEnmUQN20190729
J.P. Morgan Securities plc	29-Jul-2019 11:26:01	75	6308.0000	XLON	11502115000040909-E0et8NEnmUiF20190729
J.P. Morgan Securities plc	29-Jul-2019 11:26:01	54	6308.0000	XLON	11502115000040909-E0et8NEnmUiH20190729
J.P. Morgan Securities plc	29-Jul-2019 11:26:41	117	6306.0000	XLON	01502015000040713-E0et8NEnmV2920190729
J.P. Morgan Securities plc	29-Jul-2019 11:26:41	126	6306.0000	XLON	11502115000040837-E0et8NEnmV2B20190729
J.P. Morgan Securities plc	29-Jul-2019 11:29:30	91	6308.0000	XLON	01502015000040960-E0et8NEnmWcr20190729
J.P. Morgan Securities plc	29-Jul-2019 11:29:59	117	6306.0000	XLON	11502115000041062-E0et8NEnmWzJ20190729
J.P. Morgan Securities plc	29-Jul-2019 11:29:59	135	6306.0000	XLON	11502115000040983-E0et8NEnmWzH20190729
J.P. Morgan Securities plc	29-Jul-2019 11:32:14	75	6308.0000	XLON	11502115000041656-E0et8NEnmYan20190729
J.P. Morgan Securities plc	29-Jul-2019 11:32:14	16	6308.0000	XLON	11502115000041656-E0et8NEnmYap20190729
J.P. Morgan Securities plc	29-Jul-2019 11:32:18	99	6306.0000	XLON	01502015000041294-E0et8NEnmYdd20190729
J.P. Morgan Securities plc	29-Jul-2019 11:36:01	125	6312.0000	XLON	01502015000042363-E0et8NEnmboC20190729
J.P. Morgan Securities plc	29-Jul-2019 11:36:46	94	6310.0000	XLON	11502115000042417-E0et8NEnmcyjA20190729
J.P. Morgan Securities plc	29-Jul-2019 11:36:46	91	6310.0000	XLON	01502015000042317-E0et8NEnmcyj820190729
J.P. Morgan Securities plc	29-Jul-2019 11:36:46	8	6310.0000	XLON	01502015000042329-E0et8NEnmcyjC20190729
J.P. Morgan Securities plc	29-Jul-2019 11:36:46	99	6310.0000	XLON	01502015000042312-E0et8NEnmcyj220190729
J.P. Morgan Securities plc	29-Jul-2019 11:37:47	75	6302.0000	XLON	11502115000042718-E0et8NEnmdii20190729
J.P. Morgan Securities plc	29-Jul-2019 11:38:19	126	6300.0000	XLON	01502015000042593-E0et8NEnmeBJ20190729
J.P. Morgan Securities plc	29-Jul-2019 11:40:15	99	6294.0000	XLON	11502115000042880-E0et8NEnmfH20190729
J.P. Morgan Securities plc	29-Jul-2019 11:42:05	44	6296.0000	XLON	11502115000043417-E0et8NEnmfhx20190729
J.P. Morgan Securities plc	29-Jul-2019 11:43:20	6	6300.0000	XLON	01502015000043715-E0et8NEnmj7b20190729
J.P. Morgan Securities plc	29-Jul-2019 11:43:20	56	6300.0000	XLON	01502015000043715-E0et8NEnmj7X20190729
J.P. Morgan Securities plc	29-Jul-2019 11:43:20	58	6300.0000	XLON	01502015000043715-E0et8NEnmj7Z20190729
J.P. Morgan Securities plc	29-Jul-2019 11:44:14	110	6298.0000	XLON	11502115000043660-E0et8NEnmjny20190729
J.P. Morgan Securities plc	29-Jul-2019 11:45:00	37	6296.0000	XLON	01502015000044107-E0et8NEnmkUJ20190729
J.P. Morgan Securities plc	29-Jul-2019 11:47:10	114	6298.0000	XLON	11502115000044729-E0et8NEnmJV20190729
J.P. Morgan Securities plc	29-Jul-2019 11:47:10	95	6300.0000	XLON	11502115000044776-E0et8NEnmJ220190729
J.P. Morgan Securities plc	29-Jul-2019 11:47:10	29	6300.0000	XLON	11502115000044776-E0et8NEnmJ420190729
J.P. Morgan Securities plc	29-Jul-2019 11:47:10	124	6298.0000	XLON	11502115000044753-E0et8NEnmJX20190729
J.P. Morgan Securities plc	29-Jul-2019 11:47:41	53	6300.0000	XLON	01502015000044736-E0et8NEnmmv720190729
J.P. Morgan Securities plc	29-Jul-2019 11:49:27	7	6300.0000	XLON	01502015000044860-E0et8NEnmtQ20190729
J.P. Morgan Securities plc	29-Jul-2019 11:49:27	57	6300.0000	XLON	01502015000044860-E0et8NEnmtS20190729
J.P. Morgan Securities plc	29-Jul-2019 11:50:15	117	6298.0000	XLON	11502115000044855-E0et8NEnmoNu20190729
J.P. Morgan Securities plc	29-Jul-2019 11:53:25	68	6304.0000	XLON	01502015000045476-E0et8NEnmr7b20190729
J.P. Morgan Securities plc	29-Jul-2019 11:53:25	26	6304.0000	XLON	01502015000045476-E0et8NEnmr7f20190729
J.P. Morgan Securities plc	29-Jul-2019 11:53:25	43	6304.0000	XLON	01502015000045476-E0et8NEnmr7d20190729
J.P. Morgan Securities plc	29-Jul-2019 11:54:59	155	6306.0000	XLON	01502015000045802-E0et8NEnmsO120190729
J.P. Morgan Securities plc	29-Jul-2019 11:54:59	122	6306.0000	XLON	11502115000046014-E0et8NEnmsO520190729
J.P. Morgan Securities plc	29-Jul-2019 11:54:59	15	6306.0000	XLON	11502115000046035-E0et8NEnmsO920190729
J.P. Morgan Securities plc	29-Jul-2019 11:54:59	128	6306.0000	XLON	11502115000046035-E0et8NEnmsO720190729
J.P. Morgan Securities plc	29-Jul-2019 11:56:53	5	6302.0000	XLON	01502015000046463-E0et8NEnmtll20190729
J.P. Morgan Securities plc	29-Jul-2019 11:56:53	86	6302.0000	XLON	01502015000046463-E0et8NEnmtlj20190729
J.P. Morgan Securities plc	29-Jul-2019 11:56:53	108	6300.0000	XLON	11502115000046446-E0et8NEnmtrR20190729
J.P. Morgan Securities plc	29-Jul-2019 11:56:53	108	6300.0000	XLON	01502015000046336-E0et8NEnmtrT20190729
J.P. Morgan Securities plc	29-Jul-2019 11:58:49	12	6308.0000	XLON	11502115000047555-E0et8NEnmvxd20190729
J.P. Morgan Securities plc	29-Jul-2019 11:58:49	3	6308.0000	XLON	11502115000047555-E0et8NEnmvxZ20190729
J.P. Morgan Securities plc	29-Jul-2019 11:58:49	75	6308.0000	XLON	11502115000047555-E0et8NEnmvxb20190729
J.P. Morgan Securities plc	29-Jul-2019 11:59:21	75	6308.0000	XLON	01502015000047720-E0et8NEnmwWh20190729
J.P. Morgan Securities plc	29-Jul-2019 11:59:39	101	6306.0000	XLON	01502015000047195-E0et8NEnmwmc20190729
J.P. Morgan Securities plc	29-Jul-2019 12:02:50	59	6312.0000	XLON	01502015000049284-E0et8NEnn2KB20190729
J.P. Morgan Securities plc	29-Jul-2019 12:02:50	32	6312.0000	XLON	01502015000049284-E0et8NEnn2K920190729
J.P. Morgan Securities plc	29-Jul-2019 12:03:34	3	6310.0000	XLON	01502015000049216-E0et8NEnn3GY20190729
J.P. Morgan Securities plc	29-Jul-2019 12:03:47	97	6310.0000	XLON	01502015000049216-E0et8NEnn3Qz20190729
J.P. Morgan Securities plc	29-Jul-2019 12:03:56	100	6306.0000	XLON	11502115000049285-E0et8NEnn3Yf20190729
J.P. Morgan Securities plc	29-Jul-2019 12:03:56	26	6306.0000	XLON	11502115000049285-E0et8NEnn3Z020190729
J.P. Morgan Securities plc	29-Jul-2019 12:04:31	45	6308.0000	XLON	01502015000049641-E0et8NEnn4MT20190729
J.P. Morgan Securities plc	29-Jul-2019 12:04:31	5	6308.0000	XLON	01502015000049641-E0et8NEnn4MV20190729
J.P. Morgan Securities plc	29-Jul-2019 12:04:31	58	6308.0000	XLON	01502015000049641-E0et8NEnn4MX20190729
J.P. Morgan Securities plc	29-Jul-2019 12:05:32	3	6306.0000	XLON	11502115000049681-E0et8NEnn5HY20190729
J.P. Morgan Securities plc	29-Jul-2019 12:06:16	75	6308.0000	XLON	01502015000050064-E0et8NEnn5tS20190729
J.P. Morgan Securities plc	29-Jul-2019 12:06:16	93	6308.0000	XLON	11502115000050126-E0et8NEnn5tF20190729
J.P. Morgan Securities plc	29-Jul-2019 12:07:30	3	6308.0000	XLON	01502015000050064-E0et8NEnn76020190729
J.P. Morgan Securities plc	29-Jul-2019 12:07:36	21	6308.0000	XLON	01502015000050064-E0et8NEnn7BM20190729
J.P. Morgan Securities plc	29-Jul-2019 12:08:46	90	6310.0000	XLON	11502115000050779-E0et8NEnn8IG20190729
J.P. Morgan Securities plc	29-Jul-2019 12:11:23	75	6316.0000	XLON	11502115000051669-E0et8NEnnBDy20190729
J.P. Morgan Securities plc	29-Jul-2019 12:11:23	4	6316.0000	XLON	11502115000051669-E0et8NEnnBDw20190729
J.P. Morgan Securities plc	29-Jul-2019 12:11:23	17	6316.0000	XLON	11502115000051669-E0et8NEnnBE020190729
J.P. Morgan Securities plc	29-Jul-2019 12:12:29	63	6316.0000	XLON	01502015000051923-E0et8NEnnC8i20190729
J.P. Morgan Securities plc	29-Jul-2019 12:12:29	77	6316.0000	XLON	01502015000051923-E0et8NEnnC8k20190729
J.P. Morgan Securities plc	29-Jul-2019 12:12:30	154	6314.0000	XLON	11502115000052006-E0et8NEnnCCS20190729
J.P. Morgan Securities plc	29-Jul-2019 12:14:54	75	6314.0000	XLON	01502015000052925-E0et8NEnnE3h20190729
J.P. Morgan Securities plc	29-Jul-2019 12:15:08	82	6312.0000	XLON	01502015000052877-E0et8NEnnEGC20190729
J.P. Morgan Securities plc	29-Jul-2019 12:15:08	17	6312.0000	XLON	01502015000052877-E0et8NEnnEGE20190729
J.P. Morgan Securities plc	29-Jul-2019 12:17:49	14	6318.0000	XLON	01502015000053361-E0et8NEnnGmR20190729
J.P. Morgan Securities plc	29-Jul-2019 12:17:49	37	6318.0000	XLON	01502015000053361-E0et8NEnnGmP20190729
J.P. Morgan Securities plc	29-Jul-2019 12:17:49	3	6318.0000	XLON	01502015000053361-E0et8NEnnGmW20190729
J.P. Morgan Securities plc	29-Jul-2019 12:17:49	4	6318.0000	XLON	01502015000053361-E0et8NEnnGmU20190729





J.P. Morgan Securities plc	29-Jul-2019 16:19:10	22	6320.0000	XLON	01502015000105004-E0et8NEnrbZI20190729
J.P. Morgan Securities plc	29-Jul-2019 16:19:10	232	6320.0000	XLON	11502115000105242-E0et8NEnrbZn20190729
J.P. Morgan Securities plc	29-Jul-2019 16:20:14	603	6322.0000	XLON	11502115000105411-E0et8NEnrdJ120190729
J.P. Morgan Securities plc	29-Jul-2019 16:20:14	201	6322.0000	XLON	01502015000105157-E0et8NEnrdlr20190729
J.P. Morgan Securities plc	29-Jul-2019 16:20:14	302	6322.0000	XLON	01502015000105216-E0et8NEnrdJ520190729
J.P. Morgan Securities plc	29-Jul-2019 16:20:47	114	6322.0000	XLON	11502115000105471-E0et8NEnre3320190729
J.P. Morgan Securities plc	29-Jul-2019 16:20:47	56	6322.0000	XLON	01502015000105216-E0et8NEnre2z20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	23	6324.0000	XLON	01502015000105437-E0et8NEnrePn20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	19	6324.0000	XLON	01502015000105437-E0et8NEnrePd20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	169	6324.0000	XLON	01502015000105437-E0et8NEnrePf20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	75	6324.0000	XLON	01502015000105437-E0et8NEnrePI20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	135	6324.0000	XLON	01502015000105437-E0et8NEnrePj20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	17	6324.0000	XLON	01502015000105437-E0et8NEnrePh20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:01	120	6324.0000	XLON	01502015000105437-E0et8NEnrePb20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:02	156	6324.0000	XLON	01502015000105449-E0et8NEnreRX20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:02	27	6324.0000	XLON	01502015000105449-E0et8NEnreRV20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:03	652	6322.0000	XLON	11502115000105677-E0et8NEnreTo20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:03	75	6324.0000	XLON	11502115000105685-E0et8NEnreSe20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:03	50	6324.0000	XLON	11502115000105685-E0et8NEnreSa20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:03	154	6324.0000	XLON	11502115000105685-E0et8NEnreSc20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:04	27	6316.0000	XLON	01502015000105454-E0et8NEnreVc20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:05	50	6318.0000	XLON	11502115000105696-E0et8NEnreYX20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:05	75	6318.0000	XLON	11502115000105696-E0et8NEnreYZ20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:05	509	6318.0000	XLON	11502115000105696-E0et8NEnreYV20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:06	50	6318.0000	XLON	01502015000105471-E0et8NEnrebK20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:07	617	6318.0000	XLON	01502015000105475-E0et8NEnrec620190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:07	50	6318.0000	XLON	01502015000105475-E0et8NEnrec420190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:08	424	6318.0000	XLON	11502115000105716-E0et8NEnredE20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:09	653	6318.0000	XLON	01502015000105487-E0et8NEnrefc20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:10	75	6318.0000	XLON	01502015000105489-E0et8NEnregs20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:10	50	6318.0000	XLON	01502015000105489-E0et8NEnregg20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:10	747	6318.0000	XLON	01502015000105489-E0et8NEnregq20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:11	120	6318.0000	XLON	11502115000105732-E0et8NEnrehw20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:11	9	6318.0000	XLON	11502115000105732-E0et8NEnrehu20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:11	50	6318.0000	XLON	11502115000105732-E0et8NEnrehy20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:11	180	6318.0000	XLON	11502115000105732-E0et8NEnrei020190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:12	50	6318.0000	XLON	01502015000105500-E0et8NEnrejL20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:12	120	6318.0000	XLON	01502015000105500-E0et8NEnrejJ20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:12	271	6318.0000	XLON	01502015000105500-E0et8NEnrejN20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:13	50	6318.0000	XLON	01502015000105512-E0et8NEnreIT20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:14	385	6318.0000	XLON	11502115000105746-E0et8NEnremQ20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:14	50	6318.0000	XLON	11502115000105746-E0et8NEnremS20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:15	897	6318.0000	XLON	11502115000105750-E0et8NEnrenz20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:15	127	6318.0000	XLON	11502115000105750-E0et8NEnrene20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:16	75	6318.0000	XLON	11502115000105760-E0et8NEnresq20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:16	815	6318.0000	XLON	11502115000105760-E0et8NEnresm20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:16	50	6318.0000	XLON	11502115000105760-E0et8NEnreso20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:16	267	6318.0000	XLON	11502115000105760-E0et8NEnresk20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:17	50	6318.0000	XLON	01502015000105530-E0et8NEnreth20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:17	825	6318.0000	XLON	01502015000105530-E0et8NEnretj20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:18	807	6318.0000	XLON	11502115000105770-E0et8NEnretz20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:18	50	6318.0000	XLON	11502115000105770-E0et8NEnreu120190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:19	569	6318.0000	XLON	11502115000105774-E0et8NEnrev020190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:19	50	6318.0000	XLON	11502115000105774-E0et8NEnrev220190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:20	295	6318.0000	XLON	01502015000105544-E0et8NEnrew320190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:24	258	6316.0000	XLON	01502015000105454-E0et8NEnrf4J20190729
J.P. Morgan Securities plc	29-Jul-2019 16:21:24	308	6316.0000	XLON	01502015000105454-E0et8NEnrf4F20190729
J.P. Morgan Securities plc	29-Jul-2019 16:22:39	100	6320.0000	XLON	11502115000106063-E0et8NEnrgno20190729
J.P. Morgan Securities plc	29-Jul-2019 16:23:08	99	6318.0000	XLON	11502115000106039-E0et8NEnrhd020190729
J.P. Morgan Securities plc	29-Jul-2019 16:24:04	93	6318.0000	XLON	11502115000106282-E0et8NEnris420190729