

Pursuant to article 227 of the Consolidated Text of the Spanish Securities Market Act (*Texto Refundido de la Ley del Mercado de Valores*), FERROVIAL, S.A. (the "Company" or "FERROVIAL") reports the following:

Reference is made to our communication of 7 May 2019 (registration number 276,882) relating to the buy-back programme of the Company's own shares approved by the Board of Directors of FERROVIAL in accordance with the authorisation granted by the General Shareholders' Meeting held on 5 April 2019, under item eight of the agenda (the "**Buy-back Programme**").

Pursuant to article 5.1 b) of Regulation (EU) No 596/2014, of 16 April 2014, on market abuse, and articles 2.2 and 2.3 of Commission Delegated Regulation (EU) 2016/1052, of 8 March 2016, supplementing Regulation (EU) No 596/2014 of the European Parliament and of the Council, with regard to regulatory technical standards for the conditions applicable to buy-back programmes and stabilisation measures, we hereby inform you that between 19 and 25 July 2019, the Company has carried out the following transactions over its own shares under the Buy-back Programme:

Date	Security	Transaction	Trading venue	Num. of shares	Weighted average price (€)
19/07/2019	FER.MC	Purchase	AQXE	4,609	24.023
19/07/2019	FER.MC	Purchase	BATE	6,623	24.058
19/07/2019	FER.MC	Purchase	CHIX	12,557	24.065
19/07/2019	FER.MC	Purchase	TRQX	4,411	24.032
19/07/2019	FER.MC	Purchase	XMAD	35,802	24.050
22/07/2019	FER.MC	Purchase	AQXE	1,643	24.281
22/07/2019	FER.MC	Purchase	BATE	4,860	24.400
22/07/2019	FER.MC	Purchase	CHIX	17,890	24.302
22/07/2019	FER.MC	Purchase	TRQX	2,405	24.353
22/07/2019	FER.MC	Purchase	XMAD	35,808	24.324
23/07/2019	FER.MC	Purchase	AQXE	3,287	24.536
23/07/2019	FER.MC	Purchase	BATE	7,837	24.520
23/07/2019	FER.MC	Purchase	CHIX	12,328	24.535
23/07/2019	FER.MC	Purchase	TRQX	4,568	24.515
23/07/2019	FER.MC	Purchase	XMAD	37,197	24.527
24/07/2019	FER.MC	Purchase	AQXE	2,345	24.397
24/07/2019	FER.MC	Purchase	BATE	4,758	24.355
24/07/2019	FER.MC	Purchase	CHIX	20,314	24.353
24/07/2019	FER.MC	Purchase	TRQX	2,971	24.331
24/07/2019	FER.MC	Purchase	XMAD	34,986	24.347
25/07/2019	FER.MC	Purchase	AQXE	3,102	24.478
25/07/2019	FER.MC	Purchase	BATE	6,280	24.420
25/07/2019	FER.MC	Purchase	CHIX	17,731	24.461
25/07/2019	FER.MC	Purchase	TRQX	2,836	24.499
25/07/2019	FER.MC	Purchase	XMAD	38,832	24.447

Detailed information of the transactions carried out within the referred period is attached as Annex.

Madrid, 26 July 2019 Santiago Ortiz Vaamonde Secretary non Director of the Board of Directors of Ferrovial, S.A



ANNEX

Detailed information of the transactions carried out within the context of the share buy-back programme between 19 and 25 July 2019.

Date	Transaction	Security	Trading venue	Shares	Price	Broker
19/07/2019	PURCHASE	FER.MC	AQXE	521	23.870	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	CHIX	542	23.890	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	538	23.890	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	522	23.920	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	AQXE	130	23.920	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	CHIX	518	23.930	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	538	23.930	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	TRQX	584	23.950	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	785	23.970	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	537	23.980	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	CHIX	1,334	23.980	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	546	23.980	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	2,910	23.990	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	553	24.000	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	TRQX	155	24.000	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	1,839	24.000	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	4,056	24.010	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	438	24.020	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	TRQX	1,890	24.020	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	4,194	24.020	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	353	24.030	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	TRQX	70	24.030	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	1,649	24.030	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	AQXE	2,395	24.030	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	852	24.040	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	CHIX	1,186	24.040	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	TRQX	547	24.040	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	1,305	24.040	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	AQXE	800	24.040	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	TRQX	577	24.050	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	587	24.050	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	2,150	24.060	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	1,097	24.070	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	CHIX	1,131	24.070	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	XMAD	2,287	24.070	Morgan Stanley Europe SE
19/07/2019	PURCHASE	FER.MC	BATE	1,403	24.080	Morgan Stanley Europe SE

19/07/2019 PURCHASE FER.MC CHIK 2,020 24,080 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRQX 67 24,080 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC MAD 1,219 24,080 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 2,483 24,090 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 2,483 24,090 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 524 24,100 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 524 24,100 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 524 24,100 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 524 24,100 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 1,215 24,110 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 1,215 24,110 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 1,215 24,110 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 1,215 24,110 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 1,025 24,120 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 1,025 24,120 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC SAMAD 3,209 24,130 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC SAMAD 3,209 24,130 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC SAMAD 3,209 24,130 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 521 24,140 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 521 24,140 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 521 24,140 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 521 24,140 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 579 24,150 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 579 24,150 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC TRAW 576 24,							
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19/07/2019 PURCHASE FER.MC XMAD 622 24.170 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC CHIX 579 24.200 Morgan Stanley Europe SE 19/07/2019 PURCHASE FER.MC XMAD 604 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,087 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 275 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 576 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 553 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europ	19/07/2019	PURCHASE	FER.MC	XMAD	1,132	24.140	Morgan Stanley Europe SE
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19/07/2019 PURCHASE FER.MC XMAD 604 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,087 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 275 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 576 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 553 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 551 24.150 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Eur	19/07/2019	PURCHASE	FER.MC	XMAD	622	24.170	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 1,087 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 275 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 576 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 553 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 551 24.150 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley E	19/07/2019	PURCHASE	FER.MC	CHIX	579	24.200	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 275 24.100 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 576 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 553 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 551 24.150 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Eur	19/07/2019	PURCHASE	FER.MC	XMAD	604	24.200	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 576 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 553 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	CHIX	1,087	24.100	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 553 24.110 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 551 24.150 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	XMAD	275	24.100	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 791 24.140 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 551 24.150 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	CHIX	576	24.110	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 551 24.150 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	XMAD	553	24.110	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 1,146 24.170 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	CHIX	791	24.140	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 590 24.180 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	XMAD	551	24.150	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC BATE 616 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.230 Morgan Sta	22/07/2019	PURCHASE	FER.MC	XMAD	1,146	24.170	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 1,654 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,027 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	CHIX	590	24.180	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 2,246 24.190 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,027 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 695 24.230 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	BATE	616	24.190	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 1,506 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,027 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 695 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 620 24.240 Morgan Stanley E	22/07/2019	PURCHASE	FER.MC	CHIX	1,654	24.190	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC TRQX 557 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,803 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 536 24.200 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 521 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 3,027 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 695 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 620 24.240 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	XMAD	2,246	24.190	Morgan Stanley Europe SE
22/07/2019PURCHASEFER.MCXMAD3,80324.200Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCAQXE53624.200Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX52124.210Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD3,02724.210Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD1,23524.220Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX58024.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD69524.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX62024.240Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	CHIX	1,506	24.200	Morgan Stanley Europe SE
22/07/2019PURCHASEFER.MCAQXE53624.200Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX52124.210Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD3,02724.210Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD1,23524.220Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX58024.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD69524.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX62024.240Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	TRQX	557	24.200	Morgan Stanley Europe SE
22/07/2019PURCHASEFER.MCCHIX52124.210Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD3,02724.210Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD1,23524.220Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX58024.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCXMAD69524.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX62024.240Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	XMAD	3,803	24.200	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 3,027 24.210 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 695 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 620 24.240 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	AQXE	536	24.200	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 1,235 24.220 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 695 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 620 24.240 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	CHIX	521	24.210	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 580 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 695 24.230 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 620 24.240 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	XMAD	3,027	24.210	Morgan Stanley Europe SE
22/07/2019PURCHASEFER.MCXMAD69524.230Morgan Stanley Europe SE22/07/2019PURCHASEFER.MCCHIX62024.240Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	XMAD	1,235	24.220	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 620 24.240 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	CHIX	580	24.230	Morgan Stanley Europe SE
	22/07/2019	PURCHASE	FER.MC	XMAD	695	24.230	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 528 24.240 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	CHIX	620	24.240	Morgan Stanley Europe SE
	22/07/2019	PURCHASE	FER.MC	XMAD	528	24.240	Morgan Stanley Europe SE

22/07/2019 PURCHASE FER.MC XMAD 612 24,240 Morgan Stanley Europe SE							
22/07/2019	22/07/2019	PURCHASE	FER.MC	AQXE	400	24.240	Morgan Stanley Europe SE
22/07/2019	22/07/2019	PURCHASE	FER.MC	XMAD	612	24.260	Morgan Stanley Europe SE
22/07/2019	22/07/2019	PURCHASE	FER.MC	TRQX	311	24.320	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 545 24.350 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	XMAD	560	24.320	Morgan Stanley Europe SE
22/07/2019	22/07/2019	PURCHASE	FER.MC	AQXE	307	24.320	Morgan Stanley Europe SE
22/07/2019	22/07/2019	PURCHASE	FER.MC	CHIX	545	24.350	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 551 24.370 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,422 24.370 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,148 24.380 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,155 24.380 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,498 24.390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 196 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,141 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC MAD 1,261 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24.410 Morgan Stan	22/07/2019	PURCHASE	FER.MC	XMAD	567	24.350	Morgan Stanley Europe SE
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22/07/2019 PURCHASE FER.MC CHIX 1,148 24,380 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,155 24,380 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 590 24,390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,498 24,390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AMAD 1,498 24,390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,141 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 611 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC MAD 2,918 24,410 Morgan Stan	22/07/2019	PURCHASE	FER.MC	CHIX	551	24.370	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 1,155 24,380 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 590 24,390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,498 24,390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC SMAD 1,498 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,141 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,918 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24,420 Morgan Sta	22/07/2019	PURCHASE	FER.MC	XMAD	1,422	24.370	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC TROX 590 24.390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,498 24.390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 196 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,141 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,261 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 611 24.410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24.410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,918 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24.420 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	CHIX	1,148	24.380	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 1,498 24,390 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 196 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,141 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,261 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 611 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,918 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,108 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24,420 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	XMAD	1,155	24.380	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC BATE 196 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,141 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,261 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24.410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24.410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,108 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24.430 Morgan Sta	22/07/2019	PURCHASE	FER.MC	TRQX	590	24.390	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 1,141 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,261 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 611 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24,430 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	XMAD	1,498	24.390	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 1,261 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC AQXE 400 24,400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 611 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,918 24,410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,108 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24,430 Morgan Sta	22/07/2019	PURCHASE	FER.MC	BATE	196	24.400	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC AQXE 400 24.400 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 611 24.410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 1,150 24.410 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,918 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,108 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 947 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24.430 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	CHIX	1,141	24.400	Morgan Stanley Europe SE
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22/07/2019 PURCHASE FER.MC BATE 1,108 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 769 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,182 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 947 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 597 24.440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24.450 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24.450 Morgan Sta	22/07/2019	PURCHASE	FER.MC	CHIX	1,150	24.410	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC CHIX 769 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 2,888 24.420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,182 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 947 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24.440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 535 24.440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24.450 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 556 24.460 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	XMAD	2,918	24.410	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC XMAD 2,888 24,420 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 1,182 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 3,016 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 947 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 597 24,440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 535 24,440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24,450 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 556 24,460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 574 24,480 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	BATE	1,108	24.420	Morgan Stanley Europe SE
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22/07/2019 PURCHASE FER.MC CHIX 3,016 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC TRQX 947 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24,430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 597 24,440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 535 24,440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24,450 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 556 24,460 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 550 24,480 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 2,572 24,440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24,450 Morgan Stanley	22/07/2019	PURCHASE	FER.MC	XMAD	2,888	24.420	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC TRQX 947 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 6,621 24.430 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 597 24.440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC CHIX 535 24.440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24.450 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 556 24.460 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 550 24.480 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 574 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 2,572 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24.450 Morgan Stanley E	22/07/2019	PURCHASE	FER.MC	BATE	1,182	24.430	Morgan Stanley Europe SE
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22/07/2019 PURCHASE FER.MC CHIX 535 24.440 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 1,691 24.450 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC XMAD 556 24.460 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 550 24.480 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 574 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 2,572 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 3,378 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 3,378 24.470 Morgan Stanl	22/07/2019	PURCHASE	FER.MC	XMAD	6,621	24.430	Morgan Stanley Europe SE
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22/07/2019 PURCHASE FER.MC XMAD 556 24.460 Morgan Stanley Europe SE 22/07/2019 PURCHASE FER.MC BATE 550 24.480 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 574 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 2,572 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC TRQX 576 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC CHIX 973 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 3,378 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 585 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC CHIX 574 24.470 Morgan Stanley Eur	22/07/2019	PURCHASE	FER.MC	CHIX	535	24.440	Morgan Stanley Europe SE
22/07/2019 PURCHASE FER.MC BATE 550 24.480 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 574 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 2,572 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC TRQX 576 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC CHIX 973 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 3,378 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 585 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC CHIX 574 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC TRQX 530 24.470 Morgan Stanley Eur	22/07/2019	PURCHASE	FER.MC	XMAD	1,691	24.450	Morgan Stanley Europe SE
23/07/2019PURCHASEFER.MCBATE57424.440Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD2,57224.440Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX57624.450Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD1,15624.450Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX97324.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD3,37824.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	XMAD	556	24.460	Morgan Stanley Europe SE
23/07/2019 PURCHASE FER.MC XMAD 2,572 24.440 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC TRQX 576 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 1,156 24.450 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC CHIX 973 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 3,378 24.460 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC BATE 585 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC CHIX 574 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC TRQX 530 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 821 24.470 Morgan Stanley Europe SE	22/07/2019	PURCHASE	FER.MC	BATE	550	24.480	Morgan Stanley Europe SE
23/07/2019PURCHASEFER.MCTRQX57624.450Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD1,15624.450Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX97324.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD3,37824.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	BATE	574	24.440	Morgan Stanley Europe SE
23/07/2019PURCHASEFER.MCXMAD1,15624.450Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX97324.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD3,37824.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	XMAD	2,572	24.440	Morgan Stanley Europe SE
23/07/2019PURCHASEFER.MCXMAD1,15624.450Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX97324.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD3,37824.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	TRQX	576	24.450	
23/07/2019PURCHASEFER.MCCHIX97324.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD3,37824.460Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	XMAD	1,156	24.450	Morgan Stanley Europe SE
23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	CHIX	973	24.460	
23/07/2019PURCHASEFER.MCBATE58524.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCCHIX57424.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	XMAD	3,378	24.460	Morgan Stanley Europe SE
23/07/2019 PURCHASE FER.MC TRQX 530 24.470 Morgan Stanley Europe SE 23/07/2019 PURCHASE FER.MC XMAD 821 24.470 Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	BATE	585	24.470	Morgan Stanley Europe SE
23/07/2019PURCHASEFER.MCTRQX53024.470Morgan Stanley Europe SE23/07/2019PURCHASEFER.MCXMAD82124.470Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	CHIX	574	24.470	Morgan Stanley Europe SE
23/07/2019 PURCHASE FER.MC XMAD 821 24.470 Morgan Stanley Europe SE	23/07/2019	PURCHASE	FER.MC	TRQX	530	24.470	
23/07/2019 PURCHASE FERING ADXE 400 24.470 Morgan Stanley Europa SE	23/07/2019	PURCHASE	FER.MC	XMAD	821	24.470	Morgan Stanley Europe SE
1 25, 57, 2527 1 Ortonios 1 Entire 1 Myne 100 21, 170 Hordan Stantey Europe SE	23/07/2019	PURCHASE	FER.MC	AQXE	400	24.470	Morgan Stanley Europe SE

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23/07/2019	PURCHASE	FER.MC	BATE	1,126	24.480	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	TRQX	545	24.480	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	864	24.480	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	1,133	24.490	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	536	24.490	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	TRQX	623	24.490	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	2,328	24.490	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	181	24.500	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	1,541	24.500	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	3,997	24.500	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	1,575	24.510	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	178	24.520	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	585	24.520	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	AQXE	800	24.520	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	543	24.530	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	1,761	24.530	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	2,949	24.530	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	AQXE	957	24.530	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	1,249	24.540	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	1,501	24.540	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	TRQX	629	24.540	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	5,737	24.540	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	1,142	24.550	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	1,208	24.550	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	2,245	24.550	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	1,691	24.560	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	TRQX	1,117	24.560	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	599	24.560	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	AQXE	630	24.560	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	TRQX	548	24.570	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	1,670	24.570	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	566	24.580	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	1,936	24.580	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	914	24.580	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	1,873	24.590	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	AQXE	100	24.590	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	CHIX	607	24.600	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	1,112	24.600	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	AQXE	400	24.600	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	603	24.620	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	BATE	560	24.630	Morgan Stanley Europe SE
23/07/2019	PURCHASE	FER.MC	XMAD	578	24.630	Morgan Stanley Europe SE
		555 MG		F02	27.750	M Ctl
23/07/2019	PURCHASE	FER.MC	XMAD	583	24.650	Morgan Stanley Europe SE

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24/07/2019	PURCHASE	FER.MC	BATE	548	24.200	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	571	24.210	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	495	24.220	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,120	24.230	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,521	24.230	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	BATE	287	24.240	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	721	24.240	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	TRQX	851	24.240	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	579	24.240	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	523	24.250	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	545	24.260	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,134	24.260	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	841	24.270	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,720	24.270	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	AQXE	17	24.270	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	BATE	538	24.280	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,670	24.280	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,299	24.280	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	BATE	541	24.290	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	521	24.290	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	TRQX	549	24.290	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	3,556	24.290	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	2,223	24.310	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,124	24.320	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	3,511	24.320	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,127	24.330	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	TRQX	522	24.330	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,239	24.330	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,151	24.340	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	537	24.340	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	AQXE	610	24.340	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,478	24.350	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	2,078	24.360	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	AQXE	387	24.360	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,089	24.370	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	672	24.370	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	606	24.380	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	674	24.390	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	876	24.390	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	431	24.400	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,254	24.400	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	BATE	602	24.410	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	CHIX	1,672	24.410	Morgan Stanley Europe SE
24/07/2019	PURCHASE	FER.MC	XMAD	1,868	24.410	Morgan Stanley Europe SE
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24/407/2019							
24/07/Z019 PURCHASE FER.MC CHIX 3,225 24,420 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC TRQX 430 24,420 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC AQXE 258 24,420 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC AQXE 258 24,420 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC CHIX 1,021 24,430 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC TRQX 524 24,430 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC TRQX 524 24,430 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC AMAD 2,459 24,430 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/Z019 PURCHASE FER.MC TRQX 95 24,450 Morgan Stanley Eu	24/07/2019	PURCHASE	FER.MC	AQXE	400	24.410	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC XMAD 1,863 24,420 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,863 24,420 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 258 24,420 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC BATE 665 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,021 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,021 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC TRQX 524 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,459 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,459 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 648 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 648 24,470 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 588 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 588 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 438 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Sta	24/07/2019	PURCHASE	FER.MC	BATE	1,339	24.420	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC XMAD 1,863 24,420 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 258 24,420 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,021 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,021 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,459 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AMAD 2,459 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC TRQX 95 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 292 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 290 24,450 Morgan Stanle	24/07/2019	PURCHASE	FER.MC	CHIX	3,225	24.420	Morgan Stanley Europe SE
24/07/2019	24/07/2019	PURCHASE	FER.MC	TRQX	430	24.420	Morgan Stanley Europe SE
24/07/2019	24/07/2019	PURCHASE	FER.MC	XMAD	1,863	24.420	Morgan Stanley Europe SE
24/07/2019	24/07/2019	PURCHASE	FER.MC	AQXE	258	24.420	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC TRQX 524 24/430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,459 24/430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 438 24,270 Morgan Stanley	24/07/2019	PURCHASE	FER.MC	BATE	665	24.430	Morgan Stanley Europe SE
24/07/2019 PURCHASE FERMC XMAD 2,459 24,430 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC BATE 238 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC TRQX 95 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC AQXE 400 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FERMC XMAD 658 24,280 Morgan Stanley Europe SE	24/07/2019	PURCHASE	FER.MC	CHIX	1,021	24.430	Morgan Stanley Europe SE
24/07/2019 PURCHASE FERMC BATE 238 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC AMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC XMAD 588 24,470 Morgan Stanley Europe SE 24/07/2019 PURCHASE FERMC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FERMC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FERMC AQXE 400 24,280 Morgan Stanley Europe SE </td <td>24/07/2019</td> <td>PURCHASE</td> <td>FER.MC</td> <td>TRQX</td> <td>524</td> <td>24.430</td> <td>Morgan Stanley Europe SE</td>	24/07/2019	PURCHASE	FER.MC	TRQX	524	24.430	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC CHIX 1,696 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC TRQX 95 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 400 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 400 24,2400 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europ	24/07/2019	PURCHASE	FER.MC	XMAD	2,459	24.430	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC TRQX 95 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,290 Morgan Stanley Europe	24/07/2019	PURCHASE	FER.MC	BATE	238	24.450	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC XMAD 2,282 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 400 24,460 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europ	24/07/2019	PURCHASE	FER.MC	CHIX	1,696	24.450	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC AQXE 273 24,450 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 400 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 42 24,290 Morgan Stanley Europe S	24/07/2019	PURCHASE	FER.MC	TRQX	95	24.450	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 400 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 438 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europ	24/07/2019	PURCHASE	FER.MC	XMAD	2,282	24.450	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC CHIX 668 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 1,072 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC AQXE 400 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 438 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europ	24/07/2019	PURCHASE	FER.MC	AQXE	273	24.450	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC AQXE 400 24,460 Morgan Stanley Europe SE 24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 438 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24,300 Morgan Stanley Europ	24/07/2019	PURCHASE	FER.MC		668	24.460	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC XMAD 588 24,470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 438 24,270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AMAD 2,346 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,346 24,300 Morgan Stanley Eur	24/07/2019	PURCHASE	FER.MC	XMAD	1,072	24.460	Morgan Stanley Europe SE
24/07/2019 PURCHASE FER.MC XMAD 588 24.470 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 438 24.270 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 658 24.280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24.280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC ABATE 602 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24.300 Morgan Stanley Euro	24/07/2019	PURCHASE	FER.MC	AQXE	400	24.460	Morgan Stanley Europe SE
25/07/2019 PURCHASE FER.MC XMAD 658 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 837 24,310 Morgan Stanley	24/07/2019	PURCHASE	FER.MC		588		Morgan Stanley Europe SE
25/07/2019 PURCHASE FER.MC AQXE 400 24,280 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 602 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,346 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 837 24,310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 4,042 24,310 Morgan Stanley E	25/07/2019	PURCHASE	FER.MC	CHIX	438	24.270	Morgan Stanley Europe SE
25/07/2019 PURCHASE FER.MC BATE 747 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 442 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24,290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 602 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,346 24,300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 408 24,310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 837 24,310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 4,042 24,310 Morgan Stanley E	25/07/2019	PURCHASE	FER.MC	XMAD	658	24.280	Morgan Stanley Europe SE
25/07/2019 PURCHASE FER.MC CHIX 442 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC TRQX 172 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 602 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,346 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,346 24.310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 837 24.310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 4,042 24.310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,123 24.320 Morgan Stanl	25/07/2019	PURCHASE	FER.MC	AQXE	400	24.280	Morgan Stanley Europe SE
25/07/2019 PURCHASE FER.MC TRQX 172 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 1,335 24.290 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 602 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 1,090 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,346 24.300 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC BATE 408 24.310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC CHIX 837 24.310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 4,042 24.310 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,152 24.320 Morgan Stanley Europe SE 25/07/2019 PURCHASE FER.MC XMAD 2,152 24.320 Morgan Stanl	25/07/2019	PURCHASE	FER.MC	BATE	747	24.290	Morgan Stanley Europe SE
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ZS/07/2019	25/07/2019	PURCHASE	FER.MC	CHIX	595	24.390	Morgan Stanley Europe SE
25/07/2019	25/07/2019	PURCHASE	FER.MC				Morgan Stanley Europe SE
25/07/2019	25/07/2019	PURCHASE	FER.MC				Morgan Stanley Europe SE
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25/07/2019	PURCHASE	FER.MC	XMAD	586	24.640	Morgan Stanley Europe SE
25/07/2019	PURCHASE	FER.MC	XMAD	1,627	24.660	Morgan Stanley Europe SE