

Equity Derivatives
Volatility Surface
Date: 02 Oct 2026

VolatilitySurfaceCode	TermToExpiry	Moneyness	VolatilityAdjustment
JRO STOXX 50 Quant Vol Su	0	0.7	0.2997
JRO STOXX 50 Quant Vol Su	0	0.9	0.0811
JRO STOXX 50 Quant Vol Su	0	0.95	0.0375
JRO STOXX 50 Quant Vol Su	0	0.975	0.0176
JRO STOXX 50 Quant Vol Su	0	1	0
JRO STOXX 50 Quant Vol Su	0	1.025	-0.0145
JRO STOXX 50 Quant Vol Su	0	1.05	-0.0253
JRO STOXX 50 Quant Vol Su	0	1.1	-0.0353
JRO STOXX 50 Quant Vol Su	0	1.3	-0.0103
JRO STOXX 50 Quant Vol Su	0.076712	0.7	0.2997
JRO STOXX 50 Quant Vol Su	0.076712	0.9	0.0811
JRO STOXX 50 Quant Vol Su	0.076712	0.95	0.0375
JRO STOXX 50 Quant Vol Su	0.076712	0.975	0.0176
JRO STOXX 50 Quant Vol Su	0.076712	1	0
JRO STOXX 50 Quant Vol Su	0.076712	1.025	-0.0145
JRO STOXX 50 Quant Vol Su	0.076712	1.05	-0.0253
JRO STOXX 50 Quant Vol Su	0.076712	1.1	-0.0353
JRO STOXX 50 Quant Vol Su	0.076712	1.3	-0.0103
JRO STOXX 50 Quant Vol Su	0.153425	0.7	0.2325
JRO STOXX 50 Quant Vol Su	0.153425	0.9	0.0637
JRO STOXX 50 Quant Vol Su	0.153425	0.95	0.0295
JRO STOXX 50 Quant Vol Su	0.153425	0.975	0.014
JRO STOXX 50 Quant Vol Su	0.153425	1	0
JRO STOXX 50 Quant Vol Su	0.153425	1.025	-0.0117
JRO STOXX 50 Quant Vol Su	0.153425	1.05	-0.021
JRO STOXX 50 Quant Vol Su	0.153425	1.1	-0.0324
JRO STOXX 50 Quant Vol Su	0.153425	1.3	-0.021
JRO STOXX 50 Quant Vol Su	0.249315	0.7	0.2024
JRO STOXX 50 Quant Vol Su	0.249315	0.9	0.0562
JRO STOXX 50 Quant Vol Su	0.249315	0.95	0.0261
JRO STOXX 50 Quant Vol Su	0.249315	0.975	0.0124

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JRO STOXX 50 Quant Vol Su	0.249315	1	0
JRO STOXX 50 Quant Vol Su	0.249315	1.025	-0.0106
JRO STOXX 50 Quant Vol Su	0.249315	1.05	-0.0194
JRO STOXX 50 Quant Vol Su	0.249315	1.1	-0.0313
JRO STOXX 50 Quant Vol Su	0.249315	1.3	-0.0257
JRO STOXX 50 Quant Vol Su	0.326027	0.7	0.1775
JRO STOXX 50 Quant Vol Su	0.326027	0.9	0.0495
JRO STOXX 50 Quant Vol Su	0.326027	0.95	0.0233
JRO STOXX 50 Quant Vol Su	0.326027	0.975	0.0112
JRO STOXX 50 Quant Vol Su	0.326027	1	0
JRO STOXX 50 Quant Vol Su	0.326027	1.025	-0.0096
JRO STOXX 50 Quant Vol Su	0.326027	1.05	-0.0176
JRO STOXX 50 Quant Vol Su	0.326027	1.1	-0.0292
JRO STOXX 50 Quant Vol Su	0.326027	1.3	-0.0308
JRO STOXX 50 Quant Vol Su	0.575342	0.7	0.1368
JRO STOXX 50 Quant Vol Su	0.575342	0.9	0.0388
JRO STOXX 50 Quant Vol Su	0.575342	0.95	0.0186
JRO STOXX 50 Quant Vol Su	0.575342	0.975	0.009
JRO STOXX 50 Quant Vol Su	0.575342	1	0
JRO STOXX 50 Quant Vol Su	0.575342	1.025	-0.008
JRO STOXX 50 Quant Vol Su	0.575342	1.05	-0.0149
JRO STOXX 50 Quant Vol Su	0.575342	1.1	-0.0259
JRO STOXX 50 Quant Vol Su	0.575342	1.3	-0.0386
JRO STOXX 50 Quant Vol Su	0.824658	0.7	0.115
JRO STOXX 50 Quant Vol Su	0.824658	0.9	0.0329
JRO STOXX 50 Quant Vol Su	0.824658	0.95	0.0157
JRO STOXX 50 Quant Vol Su	0.824658	0.975	0.0076
JRO STOXX 50 Quant Vol Su	0.824658	1	0
JRO STOXX 50 Quant Vol Su	0.824658	1.025	-0.0068
JRO STOXX 50 Quant Vol Su	0.824658	1.05	-0.013
JRO STOXX 50 Quant Vol Su	0.824658	1.1	-0.0232
JRO STOXX 50 Quant Vol Su	0.824658	1.3	-0.0405
JRO STOXX 50 Quant Vol Su	1.073973	0.7	0.1004
JRO STOXX 50 Quant Vol Su	1.073973	0.9	0.0286
JRO STOXX 50 Quant Vol Su	1.073973	0.95	0.0136
JRO STOXX 50 Quant Vol Su	1.073973	0.975	0.0066
JRO STOXX 50 Quant Vol Su	1.073973	1	0
JRO STOXX 50 Quant Vol Su	1.073973	1.025	-0.006
JRO STOXX 50 Quant Vol Su	1.073973	1.05	-0.0115
JRO STOXX 50 Quant Vol Su	1.073973	1.1	-0.0209

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JRO STOXX 50 Quant Vol Su	1.073973	1.3	-0.0395
JRO STOXX 50 Quant Vol Su	1.572603	0.7	0.0835
JRO STOXX 50 Quant Vol Su	1.572603	0.9	0.0233
JRO STOXX 50 Quant Vol Su	1.572603	0.95	0.0111
JRO STOXX 50 Quant Vol Su	1.572603	0.975	0.0054
JRO STOXX 50 Quant Vol Su	1.572603	1	0
JRO STOXX 50 Quant Vol Su	1.572603	1.025	-0.0052
JRO STOXX 50 Quant Vol Su	1.572603	1.05	-0.0099
JRO STOXX 50 Quant Vol Su	1.572603	1.1	-0.0182
JRO STOXX 50 Quant Vol Su	1.572603	1.3	-0.0389
JRO STOXX 50 Quant Vol Su	2.071233	0.7	0.0738
JRO STOXX 50 Quant Vol Su	2.071233	0.9	0.0207
JRO STOXX 50 Quant Vol Su	2.071233	0.95	0.0099
JRO STOXX 50 Quant Vol Su	2.071233	0.975	0.0048
JRO STOXX 50 Quant Vol Su	2.071233	1	0
JRO STOXX 50 Quant Vol Su	2.071233	1.025	-0.0046
JRO STOXX 50 Quant Vol Su	2.071233	1.05	-0.0088
JRO STOXX 50 Quant Vol Su	2.071233	1.1	-0.0162
JRO STOXX 50 Quant Vol Su	2.071233	1.3	-0.0383
JRO STOXX 50 Quant Vol Su	2.569863	0.7	0.0659
JRO STOXX 50 Quant Vol Su	2.569863	0.9	0.018
JRO STOXX 50 Quant Vol Su	2.569863	0.95	0.0084
JRO STOXX 50 Quant Vol Su	2.569863	0.975	0.0041
JRO STOXX 50 Quant Vol Su	2.569863	1	0
JRO STOXX 50 Quant Vol Su	2.569863	1.025	-0.004
JRO STOXX 50 Quant Vol Su	2.569863	1.05	-0.008
JRO STOXX 50 Quant Vol Su	2.569863	1.1	-0.0145
JRO STOXX 50 Quant Vol Su	2.569863	1.3	-0.0337
JRO STOXX 50 Quant Vol Su	3.586301	0.7	0.0563
JRO STOXX 50 Quant Vol Su	3.586301	0.9	0.0153
JRO STOXX 50 Quant Vol Su	3.586301	0.95	0.007
JRO STOXX 50 Quant Vol Su	3.586301	0.975	0.0034
JRO STOXX 50 Quant Vol Su	3.586301	1	0
JRO STOXX 50 Quant Vol Su	3.586301	1.025	-0.0034
JRO STOXX 50 Quant Vol Su	3.586301	1.05	-0.0066
JRO STOXX 50 Quant Vol Su	3.586301	1.1	-0.0121
JRO STOXX 50 Quant Vol Su	3.586301	1.3	-0.0287
JRO STOXX 50 Quant Vol Su	4.583562	0.7	0.0509
JRO STOXX 50 Quant Vol Su	4.583562	0.9	0.014
JRO STOXX 50 Quant Vol Su	4.583562	0.95	0.0065
JRO STOXX 50 Quant Vol Su	4.583562	0.975	0.0031

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JRO STOXX 50 Quant Vol Su	4.583562	1	0
JRO STOXX 50 Quant Vol Su	4.583562	1.025	-0.0029
JRO STOXX 50 Quant Vol Su	4.583562	1.05	-0.0056
JRO STOXX 50 Quant Vol Su	4.583562	1.1	-0.0105
JRO STOXX 50 Quant Vol Su	4.583562	1.3	-0.0263
JRO STOXX 50 Quant Vol Su	5.580822	0.7	0.0473
JRO STOXX 50 Quant Vol Su	5.580822	0.9	0.0128
JRO STOXX 50 Quant Vol Su	5.580822	0.95	0.006
JRO STOXX 50 Quant Vol Su	5.580822	0.975	0.0029
JRO STOXX 50 Quant Vol Su	5.580822	1	0
JRO STOXX 50 Quant Vol Su	5.580822	1.025	-0.0027
JRO STOXX 50 Quant Vol Su	5.580822	1.05	-0.0053
JRO STOXX 50 Quant Vol Su	5.580822	1.1	-0.0098
JRO STOXX 50 Quant Vol Su	5.580822	1.3	-0.0247
JRO STOXX 50 Quant Vol Su	6.578082	0.7	0.0446
JRO STOXX 50 Quant Vol Su	6.578082	0.9	0.0116
JRO STOXX 50 Quant Vol Su	6.578082	0.95	0.0056
JRO STOXX 50 Quant Vol Su	6.578082	0.975	0.0028
JRO STOXX 50 Quant Vol Su	6.578082	1	0
JRO STOXX 50 Quant Vol Su	6.578082	1.025	-0.0027
JRO STOXX 50 Quant Vol Su	6.578082	1.05	-0.0052
JRO STOXX 50 Quant Vol Su	6.578082	1.1	-0.0094
JRO STOXX 50 Quant Vol Su	6.578082	1.3	-0.0238
JRO STOXX 50 Quant Vol Su	7.575342	0.7	0.0425
JRO STOXX 50 Quant Vol Su	7.575342	0.9	0.0111
JRO STOXX 50 Quant Vol Su	7.575342	0.95	0.0054
JRO STOXX 50 Quant Vol Su	7.575342	0.975	0.0027
JRO STOXX 50 Quant Vol Su	7.575342	1	0
JRO STOXX 50 Quant Vol Su	7.575342	1.025	-0.0026
JRO STOXX 50 Quant Vol Su	7.575342	1.05	-0.005
JRO STOXX 50 Quant Vol Su	7.575342	1.1	-0.009
JRO STOXX 50 Quant Vol Su	7.575342	1.3	-0.023
JRO STOXX 50 Quant Vol Su	8.572603	0.7	0.0409
JRO STOXX 50 Quant Vol Su	8.572603	0.9	0.0109
JRO STOXX 50 Quant Vol Su	8.572603	0.95	0.0054
JRO STOXX 50 Quant Vol Su	8.572603	0.975	0.0026
JRO STOXX 50 Quant Vol Su	8.572603	1	0
JRO STOXX 50 Quant Vol Su	8.572603	1.025	-0.0025
JRO STOXX 50 Quant Vol Su	8.572603	1.05	-0.0046
JRO STOXX 50 Quant Vol Su	8.572603	1.1	-0.0084
JRO STOXX 50 Quant Vol Su	8.572603	1.3	-0.0224

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JRO STOXX 50 Quant Vol Su	9.589041	0.7	0.0397
JRO STOXX 50 Quant Vol Su	9.589041	0.9	0.0107
JRO STOXX 50 Quant Vol Su	9.589041	0.95	0.0054
JRO STOXX 50 Quant Vol Su	9.589041	0.975	0.0027
JRO STOXX 50 Quant Vol Su	9.589041	1	0
JRO STOXX 50 Quant Vol Su	9.589041	1.025	-0.0023
JRO STOXX 50 Quant Vol Su	9.589041	1.05	-0.0043
JRO STOXX 50 Quant Vol Su	9.589041	1.1	-0.008
JRO STOXX 50 Quant Vol Su	9.589041	1.3	-0.0218
JSE TLT Quant Vol Surface	0	0.7	0.4583
JSE TLT Quant Vol Surface	0	0.9	0.0869
JSE TLT Quant Vol Surface	0	0.95	0.0263
JSE TLT Quant Vol Surface	0	0.975	0.0081
JSE TLT Quant Vol Surface	0	1	0
JSE TLT Quant Vol Surface	0	1.025	0.0019
JSE TLT Quant Vol Surface	0	1.05	0.0126
JSE TLT Quant Vol Surface	0	1.1	0.0513
JSE TLT Quant Vol Surface	0	1.3	0.2223
JSE TLT Quant Vol Surface	0.038356	0.7	0.4583
JSE TLT Quant Vol Surface	0.038356	0.9	0.0869
JSE TLT Quant Vol Surface	0.038356	0.95	0.0263
JSE TLT Quant Vol Surface	0.038356	0.975	0.0081
JSE TLT Quant Vol Surface	0.038356	1	0
JSE TLT Quant Vol Surface	0.038356	1.025	0.0019
JSE TLT Quant Vol Surface	0.038356	1.05	0.0126
JSE TLT Quant Vol Surface	0.038356	1.1	0.0513
JSE TLT Quant Vol Surface	0.038356	1.3	0.2223
JSE TLT Quant Vol Surface	0.134247	0.7	0.2071
JSE TLT Quant Vol Surface	0.134247	0.9	0.0357
JSE TLT Quant Vol Surface	0.134247	0.95	0.0133
JSE TLT Quant Vol Surface	0.134247	0.975	0.0054
JSE TLT Quant Vol Surface	0.134247	1	0
JSE TLT Quant Vol Surface	0.134247	1.025	-0.0029
JSE TLT Quant Vol Surface	0.134247	1.05	-0.003
JSE TLT Quant Vol Surface	0.134247	1.1	0.005
JSE TLT Quant Vol Surface	0.134247	1.3	0.107
JSE TLT Quant Vol Surface	0.210959	0.7	0.1492
JSE TLT Quant Vol Surface	0.210959	0.9	0.028
JSE TLT Quant Vol Surface	0.210959	0.95	0.0125
JSE TLT Quant Vol Surface	0.210959	0.975	0.0057
JSE TLT Quant Vol Surface	0.210959	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TLT Quant Vol Surface	0.210959	1.025	-0.0045
JSE TLT Quant Vol Surface	0.210959	1.05	-0.0072
JSE TLT Quant Vol Surface	0.210959	1.1	-0.0063
JSE TLT Quant Vol Surface	0.210959	1.3	0.0655
JSE TLT Quant Vol Surface	0.287671	0.7	0.1202
JSE TLT Quant Vol Surface	0.287671	0.9	0.023
JSE TLT Quant Vol Surface	0.287671	0.95	0.01
JSE TLT Quant Vol Surface	0.287671	0.975	0.0045
JSE TLT Quant Vol Surface	0.287671	1	0
JSE TLT Quant Vol Surface	0.287671	1.025	-0.0034
JSE TLT Quant Vol Surface	0.287671	1.05	-0.0054
JSE TLT Quant Vol Surface	0.287671	1.1	-0.0045
JSE TLT Quant Vol Surface	0.287671	1.3	0.0563
JSE TLT Quant Vol Surface	0.460274	0.7	0.094
JSE TLT Quant Vol Surface	0.460274	0.9	0.0207
JSE TLT Quant Vol Surface	0.460274	0.95	0.0094
JSE TLT Quant Vol Surface	0.460274	0.975	0.0043
JSE TLT Quant Vol Surface	0.460274	1	0
JSE TLT Quant Vol Surface	0.460274	1.025	-0.0033
JSE TLT Quant Vol Surface	0.460274	1.05	-0.0053
JSE TLT Quant Vol Surface	0.460274	1.1	-0.0049
JSE TLT Quant Vol Surface	0.460274	1.3	0.0384
JSE TLT Quant Vol Surface	0.706849	0.7	0.0742
JSE TLT Quant Vol Surface	0.706849	0.9	0.0184
JSE TLT Quant Vol Surface	0.706849	0.95	0.0086
JSE TLT Quant Vol Surface	0.706849	0.975	0.004
JSE TLT Quant Vol Surface	0.706849	1	0
JSE TLT Quant Vol Surface	0.706849	1.025	-0.0031
JSE TLT Quant Vol Surface	0.706849	1.05	-0.005
JSE TLT Quant Vol Surface	0.706849	1.1	-0.0048
JSE TLT Quant Vol Surface	0.706849	1.3	0.0285
JSE TLT Quant Vol Surface	0.958904	0.7	0.0601
JSE TLT Quant Vol Surface	0.958904	0.9	0.0157
JSE TLT Quant Vol Surface	0.958904	0.95	0.0076
JSE TLT Quant Vol Surface	0.958904	0.975	0.0036
JSE TLT Quant Vol Surface	0.958904	1	0
JSE TLT Quant Vol Surface	0.958904	1.025	-0.003
JSE TLT Quant Vol Surface	0.958904	1.05	-0.005
JSE TLT Quant Vol Surface	0.958904	1.1	-0.0058
JSE TLT Quant Vol Surface	0.958904	1.3	0.0226
JSE TLT Quant Vol Surface	1.208219	0.7	0.051

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TLT Quant Vol Surface	1.208219	0.9	0.0162
JSE TLT Quant Vol Surface	1.208219	0.95	0.0082
JSE TLT Quant Vol Surface	1.208219	0.975	0.004
JSE TLT Quant Vol Surface	1.208219	1	0
JSE TLT Quant Vol Surface	1.208219	1.025	-0.0036
JSE TLT Quant Vol Surface	1.208219	1.05	-0.0064
JSE TLT Quant Vol Surface	1.208219	1.1	-0.0087
JSE TLT Quant Vol Surface	1.208219	1.3	0.0192
JSE TLT Quant Vol Surface	1.30411	0.7	0.0478
JSE TLT Quant Vol Surface	1.30411	0.9	0.0164
JSE TLT Quant Vol Surface	1.30411	0.95	0.0084
JSE TLT Quant Vol Surface	1.30411	0.975	0.0042
JSE TLT Quant Vol Surface	1.30411	1	0
JSE TLT Quant Vol Surface	1.30411	1.025	-0.0038
JSE TLT Quant Vol Surface	1.30411	1.05	-0.0068
JSE TLT Quant Vol Surface	1.30411	1.1	-0.0095
JSE TLT Quant Vol Surface	1.30411	1.3	0.0175
JSE TLT Quant Vol Surface	1.706849	0.7	0.0399
JSE TLT Quant Vol Surface	1.706849	0.9	0.0128
JSE TLT Quant Vol Surface	1.706849	0.95	0.0069
JSE TLT Quant Vol Surface	1.706849	0.975	0.0034
JSE TLT Quant Vol Surface	1.706849	1	0
JSE TLT Quant Vol Surface	1.706849	1.025	-0.0033
JSE TLT Quant Vol Surface	1.706849	1.05	-0.0061
JSE TLT Quant Vol Surface	1.706849	1.1	-0.0095
JSE TLT Quant Vol Surface	1.706849	1.3	0.0092
JSE TLT Quant Vol Surface	2.205479	0.7	0.0317
JSE TLT Quant Vol Surface	2.205479	0.9	0.0112
JSE TLT Quant Vol Surface	2.205479	0.95	0.0056
JSE TLT Quant Vol Surface	2.205479	0.975	0.0027
JSE TLT Quant Vol Surface	2.205479	1	0
JSE TLT Quant Vol Surface	2.205479	1.025	-0.0024
JSE TLT Quant Vol Surface	2.205479	1.05	-0.0043
JSE TLT Quant Vol Surface	2.205479	1.1	-0.0062
JSE TLT Quant Vol Surface	2.205479	1.3	0.0048
JSE TLT Quant Vol Surface	3.221918	0.7	0.0396
JSE TLT Quant Vol Surface	3.221918	0.9	0.0227
JSE TLT Quant Vol Surface	3.221918	0.95	0.0119
JSE TLT Quant Vol Surface	3.221918	0.975	0.0059
JSE TLT Quant Vol Surface	3.221918	1	0
JSE TLT Quant Vol Surface	3.221918	1.025	-0.0053

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TLT Quant Vol Surface	3.221918	1.05	-0.0097
JSE TLT Quant Vol Surface	3.221918	1.1	-0.0145
JSE TLT Quant Vol Surface	3.221918	1.3	-0.0044
JSE TLT Quant Vol Surface	4.219178	0.7	0.0402
JSE TLT Quant Vol Surface	4.219178	0.9	0.0187
JSE TLT Quant Vol Surface	4.219178	0.95	0.0096
JSE TLT Quant Vol Surface	4.219178	0.975	0.0047
JSE TLT Quant Vol Surface	4.219178	1	0
JSE TLT Quant Vol Surface	4.219178	1.025	-0.0042
JSE TLT Quant Vol Surface	4.219178	1.05	-0.0079
JSE TLT Quant Vol Surface	4.219178	1.1	-0.0125
JSE TLT Quant Vol Surface	4.219178	1.3	-0.0103
JSE TLT Quant Vol Surface	5.216438	0.7	0.0406
JSE TLT Quant Vol Surface	5.216438	0.9	0.0161
JSE TLT Quant Vol Surface	5.216438	0.95	0.0081
JSE TLT Quant Vol Surface	5.216438	0.975	0.004
JSE TLT Quant Vol Surface	5.216438	1	0
JSE TLT Quant Vol Surface	5.216438	1.025	-0.0036
JSE TLT Quant Vol Surface	5.216438	1.05	-0.0067
JSE TLT Quant Vol Surface	5.216438	1.1	-0.0112
JSE TLT Quant Vol Surface	5.216438	1.3	-0.0143
JSE TLT Quant Vol Surface	6.213699	0.7	0.0408
JSE TLT Quant Vol Surface	6.213699	0.9	0.0143
JSE TLT Quant Vol Surface	6.213699	0.95	0.007
JSE TLT Quant Vol Surface	6.213699	0.975	0.0034
JSE TLT Quant Vol Surface	6.213699	1	0
JSE TLT Quant Vol Surface	6.213699	1.025	-0.0032
JSE TLT Quant Vol Surface	6.213699	1.05	-0.0061
JSE TLT Quant Vol Surface	6.213699	1.1	-0.0105
JSE TLT Quant Vol Surface	6.213699	1.3	-0.0171
JSE TLT Quant Vol Surface	7.210959	0.7	0.041
JSE TLT Quant Vol Surface	7.210959	0.9	0.0131
JSE TLT Quant Vol Surface	7.210959	0.95	0.0064
JSE TLT Quant Vol Surface	7.210959	0.975	0.0031
JSE TLT Quant Vol Surface	7.210959	1	0
JSE TLT Quant Vol Surface	7.210959	1.025	-0.0029
JSE TLT Quant Vol Surface	7.210959	1.05	-0.0055
JSE TLT Quant Vol Surface	7.210959	1.1	-0.0099
JSE TLT Quant Vol Surface	7.210959	1.3	-0.0191
JSE TLT Quant Vol Surface	8.208219	0.7	0.0411
JSE TLT Quant Vol Surface	8.208219	0.9	0.0122

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TLT Quant Vol Surface	8.208219	0.95	0.0058
JSE TLT Quant Vol Surface	8.208219	0.975	0.0029
JSE TLT Quant Vol Surface	8.208219	1	0
JSE TLT Quant Vol Surface	8.208219	1.025	-0.0026
JSE TLT Quant Vol Surface	8.208219	1.05	-0.0051
JSE TLT Quant Vol Surface	8.208219	1.1	-0.0094
JSE TLT Quant Vol Surface	8.208219	1.3	-0.0206
JSE XOP Quant Vol Surface	0	0.7	0.2166
JSE XOP Quant Vol Surface	0.50411	1.05	-0.0058
JSE XOP Quant Vol Surface	0	0.9	0.0241
JSE XOP Quant Vol Surface	0.50411	1.1	-0.0104
JSE XOP Quant Vol Surface	0	0.95	0.006
JSE XOP Quant Vol Surface	0.50411	1.3	-0.0251
JSE XOP Quant Vol Surface	0	0.975	0.0018
JSE XOP Quant Vol Surface	0.580822	0.7	0.069
JSE XOP Quant Vol Surface	0	1	0
JSE XOP Quant Vol Surface	0.580822	0.9	0.0157
JSE XOP Quant Vol Surface	0	1.025	-0.0002
JSE XOP Quant Vol Surface	0.580822	0.95	0.007
JSE XOP Quant Vol Surface	0	1.05	0.0008
JSE XOP Quant Vol Surface	0.580822	0.975	0.0033
JSE XOP Quant Vol Surface	0	1.1	0.0038
JSE XOP Quant Vol Surface	0.580822	1	0
JSE XOP Quant Vol Surface	0	1.3	0.0021
JSE XOP Quant Vol Surface	0.580822	1.025	-0.003
JSE XOP Quant Vol Surface	0.082192	0.7	0.2166
JSE XOP Quant Vol Surface	0.580822	1.05	-0.0058
JSE XOP Quant Vol Surface	0.082192	0.9	0.0241
JSE XOP Quant Vol Surface	0.580822	1.1	-0.0109
JSE XOP Quant Vol Surface	0.082192	0.95	0.006
JSE XOP Quant Vol Surface	0.580822	1.3	-0.0237
JSE XOP Quant Vol Surface	0.082192	0.975	0.0018
JSE XOP Quant Vol Surface	0.753425	0.7	0.0579
JSE XOP Quant Vol Surface	0.082192	1	0
JSE XOP Quant Vol Surface	0.753425	0.9	0.0144
JSE XOP Quant Vol Surface	0.082192	1.025	-0.0002
JSE XOP Quant Vol Surface	0.753425	0.95	0.0067
JSE XOP Quant Vol Surface	0.082192	1.05	0.0008
JSE XOP Quant Vol Surface	0.753425	0.975	0.0032
JSE XOP Quant Vol Surface	0.082192	1.1	0.0038
JSE XOP Quant Vol Surface	0.753425	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE XOP Quant Vol Surface	0.082192	1.3	0.0021
JSE XOP Quant Vol Surface	0.753425	1.025	-0.0029
JSE XOP Quant Vol Surface	0.158904	0.7	0.1276
JSE XOP Quant Vol Surface	0.753425	1.05	-0.0056
JSE XOP Quant Vol Surface	0.158904	0.9	0.0216
JSE XOP Quant Vol Surface	0.753425	1.1	-0.0103
JSE XOP Quant Vol Surface	0.158904	0.95	0.0088
JSE XOP Quant Vol Surface	0.753425	1.3	-0.0218
JSE XOP Quant Vol Surface	0.158904	0.975	0.0039
JSE XOP Quant Vol Surface	1	0.7	0.0468
JSE XOP Quant Vol Surface	0.158904	1	0
JSE XOP Quant Vol Surface	1	0.9	0.0134
JSE XOP Quant Vol Surface	0.158904	1.025	-0.0032
JSE XOP Quant Vol Surface	1	0.95	0.0049
JSE XOP Quant Vol Surface	0.158904	1.05	-0.0059
JSE XOP Quant Vol Surface	1	0.975	0.002
JSE XOP Quant Vol Surface	0.158904	1.1	-0.0099
JSE XOP Quant Vol Surface	1	1	0
JSE XOP Quant Vol Surface	0.158904	1.3	-0.0195
JSE XOP Quant Vol Surface	1	1.025	-0.0011
JSE XOP Quant Vol Surface	0.254795	0.7	0.0988
JSE XOP Quant Vol Surface	1	1.05	-0.0018
JSE XOP Quant Vol Surface	0.254795	0.9	0.0187
JSE XOP Quant Vol Surface	1	1.1	-0.0027
JSE XOP Quant Vol Surface	0.254795	0.95	0.0081
JSE XOP Quant Vol Surface	1	1.3	-0.0199
JSE XOP Quant Vol Surface	0.254795	0.975	0.0038
JSE XOP Quant Vol Surface	1.252055	0.7	0.0439
JSE XOP Quant Vol Surface	0.254795	1	0
JSE XOP Quant Vol Surface	1.252055	0.9	0.0108
JSE XOP Quant Vol Surface	0.254795	1.025	-0.0036
JSE XOP Quant Vol Surface	1.252055	0.95	0.0042
JSE XOP Quant Vol Surface	0.254795	1.05	-0.0069
JSE XOP Quant Vol Surface	1.252055	0.975	0.0019
JSE XOP Quant Vol Surface	0.254795	1.1	-0.0134
JSE XOP Quant Vol Surface	1.252055	1	0
JSE XOP Quant Vol Surface	0.254795	1.3	-0.0282
JSE XOP Quant Vol Surface	1.252055	1.025	-0.0015
JSE XOP Quant Vol Surface	0.50411	0.7	0.0693
JSE XOP Quant Vol Surface	1.252055	1.05	-0.0027
JSE XOP Quant Vol Surface	0.50411	0.9	0.0166

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE XOP Quant Vol Surface	1.252055	1.1	-0.0051
JSE XOP Quant Vol Surface	0.50411	0.95	0.0075
JSE XOP Quant Vol Surface	1.252055	1.3	-0.0198
JSE XOP Quant Vol Surface	0.50411	0.975	0.0035
JSE XOP Quant Vol Surface	1.50137	0.7	0.042
JSE XOP Quant Vol Surface	0.50411	1	0
JSE XOP Quant Vol Surface	1.50137	0.9	0.0091
JSE XOP Quant Vol Surface	0.50411	1.025	-0.003
JSE XOP Quant Vol Surface	1.50137	0.95	0.0038
JSE XOP Quant Vol Surface	1.50137	0.975	0.0018
JSE XOP Quant Vol Surface	1.50137	1	0
JSE XOP Quant Vol Surface	1.50137	1.025	-0.0017
JSE XOP Quant Vol Surface	1.50137	1.05	-0.0033
JSE XOP Quant Vol Surface	1.50137	1.1	-0.0067
JSE XOP Quant Vol Surface	1.50137	1.3	-0.0198
JSE XOP Quant Vol Surface	1.578082	0.7	0.0453
JSE XOP Quant Vol Surface	1.578082	0.9	0.0101
JSE XOP Quant Vol Surface	1.578082	0.95	0.004
JSE XOP Quant Vol Surface	1.578082	0.975	0.0018
JSE XOP Quant Vol Surface	1.578082	1	0
JSE XOP Quant Vol Surface	1.578082	1.025	-0.0015
JSE XOP Quant Vol Surface	1.578082	1.05	-0.0028
JSE XOP Quant Vol Surface	1.578082	1.1	-0.005
JSE XOP Quant Vol Surface	1.578082	1.3	-0.0159
JSE XOP Quant Vol Surface	1.99726	0.7	0.0437
JSE XOP Quant Vol Surface	1.99726	0.9	0.0101
JSE XOP Quant Vol Surface	1.99726	0.95	0.0042
JSE XOP Quant Vol Surface	1.99726	0.975	0.0019
JSE XOP Quant Vol Surface	1.99726	1	0
JSE XOP Quant Vol Surface	1.99726	1.025	-0.0017
JSE XOP Quant Vol Surface	1.99726	1.05	-0.0032
JSE XOP Quant Vol Surface	1.99726	1.1	-0.0058
JSE XOP Quant Vol Surface	1.99726	1.3	-0.0171
JSE XOP Quant Vol Surface	2.49863	0.7	0.0426
JSE XOP Quant Vol Surface	2.49863	0.9	0.0101
JSE XOP Quant Vol Surface	2.49863	0.95	0.0044
JSE XOP Quant Vol Surface	2.49863	0.975	0.0021
JSE XOP Quant Vol Surface	2.49863	1	0
JSE XOP Quant Vol Surface	2.49863	1.025	-0.0017
JSE XOP Quant Vol Surface	2.49863	1.05	-0.0033
JSE XOP Quant Vol Surface	2.49863	1.1	-0.0062

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE XOP Quant Vol Surface	2.49863	1.3	-0.0178
JSE XOP Quant Vol Surface	3.49589	0.7	0.0413
JSE XOP Quant Vol Surface	3.49589	0.9	0.0101
JSE XOP Quant Vol Surface	3.49589	0.95	0.0045
JSE XOP Quant Vol Surface	3.49589	0.975	0.0021
JSE XOP Quant Vol Surface	3.49589	1	0
JSE XOP Quant Vol Surface	3.49589	1.025	-0.0019
JSE XOP Quant Vol Surface	3.49589	1.05	-0.0037
JSE XOP Quant Vol Surface	3.49589	1.1	-0.0069
JSE XOP Quant Vol Surface	3.49589	1.3	-0.0188
JSE XOP Quant Vol Surface	4.512329	0.7	0.0406
JSE XOP Quant Vol Surface	4.512329	0.9	0.0101
JSE XOP Quant Vol Surface	4.512329	0.95	0.0046
JSE XOP Quant Vol Surface	4.512329	0.975	0.0022
JSE XOP Quant Vol Surface	4.512329	1	0
JSE XOP Quant Vol Surface	4.512329	1.025	-0.002
JSE XOP Quant Vol Surface	4.512329	1.05	-0.0038
JSE XOP Quant Vol Surface	4.512329	1.1	-0.0073
JSE XOP Quant Vol Surface	4.512329	1.3	-0.0193
JSE XOP Quant Vol Surface	5.509589	0.7	0.0402
JSE XOP Quant Vol Surface	5.509589	0.9	0.0101
JSE XOP Quant Vol Surface	5.509589	0.95	0.0046
JSE XOP Quant Vol Surface	5.509589	0.975	0.0022
JSE XOP Quant Vol Surface	5.509589	1	0
JSE XOP Quant Vol Surface	5.509589	1.025	-0.0021
JSE XOP Quant Vol Surface	5.509589	1.05	-0.004
JSE XOP Quant Vol Surface	5.509589	1.1	-0.0075
JSE XOP Quant Vol Surface	5.509589	1.3	-0.0196
JSE XOP Quant Vol Surface	6.506849	0.7	0.04
JSE XOP Quant Vol Surface	6.506849	0.9	0.01
JSE XOP Quant Vol Surface	6.506849	0.95	0.0046
JSE XOP Quant Vol Surface	6.506849	0.975	0.0022
JSE XOP Quant Vol Surface	6.506849	1	0
JSE XOP Quant Vol Surface	6.506849	1.025	-0.0021
JSE XOP Quant Vol Surface	6.506849	1.05	-0.004
JSE XOP Quant Vol Surface	6.506849	1.1	-0.0076
JSE XOP Quant Vol Surface	6.506849	1.3	-0.0198
JSE SPY Compo Vol Surface	0	0.7	0.9249
JSE SPY Compo Vol Surface	0	0.9	0.3071
JSE SPY Compo Vol Surface	0	0.95	0.1187
JSE SPY Compo Vol Surface	0	0.975	0.0448

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE SPY Compo Vol Surface	0	1	0
JSE SPY Compo Vol Surface	0	1.025	0.0023
JSE SPY Compo Vol Surface	0	1.05	0.0871
JSE SPY Compo Vol Surface	0	1.1	0.1978
JSE SPY Compo Vol Surface	0	1.3	0.422
JSE SPY Compo Vol Surface	0.00274	0.7	0.9249
JSE SPY Compo Vol Surface	0.00274	0.9	0.3071
JSE SPY Compo Vol Surface	0.00274	0.95	0.1187
JSE SPY Compo Vol Surface	0.00274	0.975	0.0448
JSE SPY Compo Vol Surface	0.00274	1	0
JSE SPY Compo Vol Surface	0.00274	1.025	0.0023
JSE SPY Compo Vol Surface	0.00274	1.05	0.0871
JSE SPY Compo Vol Surface	0.00274	1.1	0.1978
JSE SPY Compo Vol Surface	0.00274	1.3	0.422
JSE SPY Compo Vol Surface	0.09863	0.7	0.3113
JSE SPY Compo Vol Surface	0.09863	0.9	0.0908
JSE SPY Compo Vol Surface	0.09863	0.95	0.0459
JSE SPY Compo Vol Surface	0.09863	0.975	0.0228
JSE SPY Compo Vol Surface	0.09863	1	0
JSE SPY Compo Vol Surface	0.09863	1.025	-0.0144
JSE SPY Compo Vol Surface	0.09863	1.05	-0.0192
JSE SPY Compo Vol Surface	0.09863	1.1	-0.0109
JSE SPY Compo Vol Surface	0.09863	1.3	0.0768
JSE SPY Compo Vol Surface	0.175342	0.7	0.2453
JSE SPY Compo Vol Surface	0.175342	0.9	0.0761
JSE SPY Compo Vol Surface	0.175342	0.95	0.0386
JSE SPY Compo Vol Surface	0.175342	0.975	0.0193
JSE SPY Compo Vol Surface	0.175342	1	0
JSE SPY Compo Vol Surface	0.175342	1.025	-0.0159
JSE SPY Compo Vol Surface	0.175342	1.05	-0.0253
JSE SPY Compo Vol Surface	0.175342	1.1	-0.0288
JSE SPY Compo Vol Surface	0.175342	1.3	0.0303
JSE SPY Compo Vol Surface	0.252055	0.7	0.2074
JSE SPY Compo Vol Surface	0.252055	0.9	0.064
JSE SPY Compo Vol Surface	0.252055	0.95	0.0334
JSE SPY Compo Vol Surface	0.252055	0.975	0.0166
JSE SPY Compo Vol Surface	0.252055	1	0
JSE SPY Compo Vol Surface	0.252055	1.025	-0.0153
JSE SPY Compo Vol Surface	0.252055	1.05	-0.0262
JSE SPY Compo Vol Surface	0.252055	1.1	-0.0369
JSE SPY Compo Vol Surface	0.252055	1.3	0.0032

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE SPY Compo Vol Surface	0.347945	0.7	0.1779
JSE SPY Compo Vol Surface	0.347945	0.9	0.056
JSE SPY Compo Vol Surface	0.347945	0.95	0.0289
JSE SPY Compo Vol Surface	0.347945	0.975	0.0145
JSE SPY Compo Vol Surface	0.347945	1	0
JSE SPY Compo Vol Surface	0.347945	1.025	-0.0136
JSE SPY Compo Vol Surface	0.347945	1.05	-0.0253
JSE SPY Compo Vol Surface	0.347945	1.1	-0.0405
JSE SPY Compo Vol Surface	0.347945	1.3	-0.019
JSE SPY Compo Vol Surface	0.59726	0.7	0.1365
JSE SPY Compo Vol Surface	0.59726	0.9	0.0432
JSE SPY Compo Vol Surface	0.59726	0.95	0.022
JSE SPY Compo Vol Surface	0.59726	0.975	0.011
JSE SPY Compo Vol Surface	0.59726	1	0
JSE SPY Compo Vol Surface	0.59726	1.025	-0.0108
JSE SPY Compo Vol Surface	0.59726	1.05	-0.0215
JSE SPY Compo Vol Surface	0.59726	1.1	-0.0397
JSE SPY Compo Vol Surface	0.59726	1.3	-0.0502
JSE SPY Compo Vol Surface	0.673973	0.7	0.1292
JSE SPY Compo Vol Surface	0.673973	0.9	0.0409
JSE SPY Compo Vol Surface	0.673973	0.95	0.0207
JSE SPY Compo Vol Surface	0.673973	0.975	0.0104
JSE SPY Compo Vol Surface	0.673973	1	0
JSE SPY Compo Vol Surface	0.673973	1.025	-0.0104
JSE SPY Compo Vol Surface	0.673973	1.05	-0.0206
JSE SPY Compo Vol Surface	0.673973	1.1	-0.0387
JSE SPY Compo Vol Surface	0.673973	1.3	-0.0544
JSE SPY Compo Vol Surface	0.846575	0.7	0.115
JSE SPY Compo Vol Surface	0.846575	0.9	0.0368
JSE SPY Compo Vol Surface	0.846575	0.95	0.0189
JSE SPY Compo Vol Surface	0.846575	0.975	0.0096
JSE SPY Compo Vol Surface	0.846575	1	0
JSE SPY Compo Vol Surface	0.846575	1.025	-0.0095
JSE SPY Compo Vol Surface	0.846575	1.05	-0.0187
JSE SPY Compo Vol Surface	0.846575	1.1	-0.0359
JSE SPY Compo Vol Surface	0.846575	1.3	-0.06
JSE SPY Compo Vol Surface	1.093151	0.7	0.0999
JSE SPY Compo Vol Surface	1.093151	0.9	0.0321
JSE SPY Compo Vol Surface	1.093151	0.95	0.0163
JSE SPY Compo Vol Surface	1.093151	0.975	0.0083
JSE SPY Compo Vol Surface	1.093151	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE SPY Compo Vol Surface	1.093151	1.025	-0.0081
JSE SPY Compo Vol Surface	1.093151	1.05	-0.0162
JSE SPY Compo Vol Surface	1.093151	1.1	-0.0315
JSE SPY Compo Vol Surface	1.093151	1.3	-0.061
JSE SPY Compo Vol Surface	1.342466	0.7	0
JSE SPY Compo Vol Surface	1.342466	0.9	0
JSE SPY Compo Vol Surface	1.342466	0.95	0
JSE SPY Compo Vol Surface	1.342466	0.975	0
JSE SPY Compo Vol Surface	1.342466	1	0
JSE SPY Compo Vol Surface	1.342466	1.025	0
JSE SPY Compo Vol Surface	1.342466	1.05	0
JSE SPY Compo Vol Surface	1.342466	1.1	0
JSE SPY Compo Vol Surface	1.342466	1.3	0
JSE SPY Compo Vol Surface	1.591781	0.7	0
JSE SPY Compo Vol Surface	1.591781	0.9	0
JSE SPY Compo Vol Surface	1.591781	0.95	0
JSE SPY Compo Vol Surface	1.591781	0.975	0
JSE SPY Compo Vol Surface	1.591781	1	0
JSE SPY Compo Vol Surface	1.591781	1.025	0
JSE SPY Compo Vol Surface	1.591781	1.05	0
JSE SPY Compo Vol Surface	1.591781	1.1	0
JSE SPY Compo Vol Surface	1.591781	1.3	0
JSE SPY Compo Vol Surface	1.841096	0.7	0
JSE SPY Compo Vol Surface	1.841096	0.9	0
JSE SPY Compo Vol Surface	1.841096	0.95	0
JSE SPY Compo Vol Surface	1.841096	0.975	0
JSE SPY Compo Vol Surface	1.841096	1	0
JSE SPY Compo Vol Surface	1.841096	1.025	0
JSE SPY Compo Vol Surface	1.841096	1.05	0
JSE SPY Compo Vol Surface	1.841096	1.1	0
JSE SPY Compo Vol Surface	1.841096	1.3	0
JSE SPY Compo Vol Surface	2.090411	0.7	0.066
JSE SPY Compo Vol Surface	2.090411	0.9	0.0211
JSE SPY Compo Vol Surface	2.090411	0.95	0.0104
JSE SPY Compo Vol Surface	2.090411	0.975	0.0053
JSE SPY Compo Vol Surface	2.090411	1	0
JSE SPY Compo Vol Surface	2.090411	1.025	-0.0053
JSE SPY Compo Vol Surface	2.090411	1.05	-0.0106
JSE SPY Compo Vol Surface	2.090411	1.1	-0.0207
JSE SPY Compo Vol Surface	2.090411	1.3	-0.0527
JSE SPY Compo Vol Surface	2.339726	0.7	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE SPY Compo Vol Surface	2.339726	0.9	0
JSE SPY Compo Vol Surface	2.339726	0.95	0
JSE SPY Compo Vol Surface	2.339726	0.975	0
JSE SPY Compo Vol Surface	2.339726	1	0
JSE SPY Compo Vol Surface	2.339726	1.025	0
JSE SPY Compo Vol Surface	2.339726	1.05	0
JSE SPY Compo Vol Surface	2.339726	1.1	0
JSE SPY Compo Vol Surface	2.339726	1.3	0
JSE SPY Compo Vol Surface	2.586301	0.7	0
JSE SPY Compo Vol Surface	2.586301	0.9	0
JSE SPY Compo Vol Surface	2.586301	0.95	0
JSE SPY Compo Vol Surface	2.586301	0.975	0
JSE SPY Compo Vol Surface	2.586301	1	0
JSE SPY Compo Vol Surface	2.586301	1.025	0
JSE SPY Compo Vol Surface	2.586301	1.05	0
JSE SPY Compo Vol Surface	2.586301	1.1	0
JSE SPY Compo Vol Surface	2.586301	1.3	0
JSE SPY Compo Vol Surface	2.838356	0.7	0
JSE SPY Compo Vol Surface	2.838356	0.9	0
JSE SPY Compo Vol Surface	2.838356	0.95	0
JSE SPY Compo Vol Surface	2.838356	0.975	0
JSE SPY Compo Vol Surface	2.838356	1	0
JSE SPY Compo Vol Surface	2.838356	1.025	0
JSE SPY Compo Vol Surface	2.838356	1.05	0
JSE SPY Compo Vol Surface	2.838356	1.1	0
JSE SPY Compo Vol Surface	2.838356	1.3	0
SE TSLA Compo Vol Surface	0	0.7	0.7715
SE TSLA Compo Vol Surface	1.841096	1.3	0
SE TSLA Compo Vol Surface	0	0.9	0.0576
SE TSLA Compo Vol Surface	2.090411	0.7	0.0073
SE TSLA Compo Vol Surface	0	0.95	0.0006
SE TSLA Compo Vol Surface	2.090411	0.9	0.0009
SE TSLA Compo Vol Surface	0	0.975	-0.0059
SE TSLA Compo Vol Surface	2.090411	0.95	0.0003
SE TSLA Compo Vol Surface	0	1	0
SE TSLA Compo Vol Surface	2.090411	0.975	0.0001
SE TSLA Compo Vol Surface	0	1.025	0.016
SE TSLA Compo Vol Surface	2.090411	1	0
SE TSLA Compo Vol Surface	0	1.05	0.0399
SE TSLA Compo Vol Surface	2.090411	1.025	-0.0001
SE TSLA Compo Vol Surface	0	1.1	0.1043

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE TSLA Compo Vol Surface	2.090411	1.05	-0.0001
SE TSLA Compo Vol Surface	0	1.3	0.3959
SE TSLA Compo Vol Surface	2.090411	1.1	0.0002
SE TSLA Compo Vol Surface	0.00274	0.7	0.7715
SE TSLA Compo Vol Surface	2.090411	1.3	0.0028
SE TSLA Compo Vol Surface	0.00274	0.9	0.0576
SE TSLA Compo Vol Surface	2.339726	0.7	0
SE TSLA Compo Vol Surface	0.00274	0.95	0.0006
SE TSLA Compo Vol Surface	2.339726	0.9	0
SE TSLA Compo Vol Surface	0.00274	0.975	-0.0059
SE TSLA Compo Vol Surface	2.339726	0.95	0
SE TSLA Compo Vol Surface	0.00274	1	0
SE TSLA Compo Vol Surface	2.339726	0.975	0
SE TSLA Compo Vol Surface	0.00274	1.025	0.016
SE TSLA Compo Vol Surface	2.339726	1	0
SE TSLA Compo Vol Surface	0.00274	1.05	0.0399
SE TSLA Compo Vol Surface	2.339726	1.025	0
SE TSLA Compo Vol Surface	0.00274	1.1	0.1043
SE TSLA Compo Vol Surface	2.339726	1.05	0
SE TSLA Compo Vol Surface	0.00274	1.3	0.3959
SE TSLA Compo Vol Surface	2.339726	1.1	0
SE TSLA Compo Vol Surface	0.09863	0.7	0.1022
SE TSLA Compo Vol Surface	2.339726	1.3	0
SE TSLA Compo Vol Surface	0.09863	0.9	-0.001
SE TSLA Compo Vol Surface	2.586301	0.7	0
SE TSLA Compo Vol Surface	0.09863	0.95	-0.0028
SE TSLA Compo Vol Surface	2.586301	0.9	0
SE TSLA Compo Vol Surface	0.09863	0.975	-0.0018
SE TSLA Compo Vol Surface	2.586301	0.95	0
SE TSLA Compo Vol Surface	0.09863	1	0
SE TSLA Compo Vol Surface	2.586301	0.975	0
SE TSLA Compo Vol Surface	0.09863	1.025	0.0027
SE TSLA Compo Vol Surface	2.586301	1	0
SE TSLA Compo Vol Surface	0.09863	1.05	0.006
SE TSLA Compo Vol Surface	2.586301	1.025	0
SE TSLA Compo Vol Surface	0.09863	1.1	0.0145
SE TSLA Compo Vol Surface	2.586301	1.05	0
SE TSLA Compo Vol Surface	0.09863	1.3	0.0712
SE TSLA Compo Vol Surface	2.586301	1.1	0
SE TSLA Compo Vol Surface	0.175342	0.7	0.0556
SE TSLA Compo Vol Surface	2.586301	1.3	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE TSLA Compo Vol Surface	0.175342	0.9	0.0015
SE TSLA Compo Vol Surface	2.838356	0.7	0
SE TSLA Compo Vol Surface	0.175342	0.95	-0.0006
SE TSLA Compo Vol Surface	2.838356	0.9	0
SE TSLA Compo Vol Surface	0.175342	0.975	-0.0006
SE TSLA Compo Vol Surface	2.838356	0.95	0
SE TSLA Compo Vol Surface	0.175342	1	0
SE TSLA Compo Vol Surface	2.838356	0.975	0
SE TSLA Compo Vol Surface	0.175342	1.025	0.0011
SE TSLA Compo Vol Surface	2.838356	1	0
SE TSLA Compo Vol Surface	0.175342	1.05	0.0027
SE TSLA Compo Vol Surface	2.838356	1.025	0
SE TSLA Compo Vol Surface	0.175342	1.1	0.0074
SE TSLA Compo Vol Surface	2.838356	1.05	0
SE TSLA Compo Vol Surface	0.175342	1.3	0.04
SE TSLA Compo Vol Surface	2.838356	1.1	0
SE TSLA Compo Vol Surface	0.252055	0.7	0.0357
SE TSLA Compo Vol Surface	2.838356	1.3	0
SE TSLA Compo Vol Surface	0.252055	0.9	0.0009
SE TSLA Compo Vol Surface	0.252055	0.95	-0.0004
SE TSLA Compo Vol Surface	0.252055	0.975	-0.0004
SE TSLA Compo Vol Surface	0.252055	1	0
SE TSLA Compo Vol Surface	0.252055	1.025	0.0009
SE TSLA Compo Vol Surface	0.252055	1.05	0.0021
SE TSLA Compo Vol Surface	0.252055	1.1	0.0053
SE TSLA Compo Vol Surface	0.252055	1.3	0.0262
SE TSLA Compo Vol Surface	0.347945	0.7	0.0242
SE TSLA Compo Vol Surface	0.347945	0.9	0.0004
SE TSLA Compo Vol Surface	0.347945	0.95	-0.0004
SE TSLA Compo Vol Surface	0.347945	0.975	-0.0004
SE TSLA Compo Vol Surface	0.347945	1	0
SE TSLA Compo Vol Surface	0.347945	1.025	0.0007
SE TSLA Compo Vol Surface	0.347945	1.05	0.0016
SE TSLA Compo Vol Surface	0.347945	1.1	0.0039
SE TSLA Compo Vol Surface	0.347945	1.3	0.0194
SE TSLA Compo Vol Surface	0.59726	0.7	0.0134
SE TSLA Compo Vol Surface	0.59726	0.9	-0.0002
SE TSLA Compo Vol Surface	0.59726	0.95	-0.0005
SE TSLA Compo Vol Surface	0.59726	0.975	-0.0004
SE TSLA Compo Vol Surface	0.59726	1	0
SE TSLA Compo Vol Surface	0.59726	1.025	0.0005

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE TSLA Compo Vol Surface	0.59726	1.05	0.0011
SE TSLA Compo Vol Surface	0.59726	1.1	0.0027
SE TSLA Compo Vol Surface	0.59726	1.3	0.0119
SE TSLA Compo Vol Surface	0.673973	0.7	0.0123
SE TSLA Compo Vol Surface	0.673973	0.9	-0.0004
SE TSLA Compo Vol Surface	0.673973	0.95	-0.0005
SE TSLA Compo Vol Surface	0.673973	0.975	-0.0003
SE TSLA Compo Vol Surface	0.673973	1	0
SE TSLA Compo Vol Surface	0.673973	1.025	0.0004
SE TSLA Compo Vol Surface	0.673973	1.05	0.0009
SE TSLA Compo Vol Surface	0.673973	1.1	0.0023
SE TSLA Compo Vol Surface	0.673973	1.3	0.0105
SE TSLA Compo Vol Surface	0.846575	0.7	0.0089
SE TSLA Compo Vol Surface	0.846575	0.9	-0.0003
SE TSLA Compo Vol Surface	0.846575	0.95	-0.0005
SE TSLA Compo Vol Surface	0.846575	0.975	-0.0003
SE TSLA Compo Vol Surface	0.846575	1	0
SE TSLA Compo Vol Surface	0.846575	1.025	0.0004
SE TSLA Compo Vol Surface	0.846575	1.05	0.0009
SE TSLA Compo Vol Surface	0.846575	1.1	0.0022
SE TSLA Compo Vol Surface	0.846575	1.3	0.009
SE TSLA Compo Vol Surface	1.093151	0.7	0.0074
SE TSLA Compo Vol Surface	1.093151	0.9	-0.0001
SE TSLA Compo Vol Surface	1.093151	0.95	-0.0003
SE TSLA Compo Vol Surface	1.093151	0.975	-0.0002
SE TSLA Compo Vol Surface	1.093151	1	0
SE TSLA Compo Vol Surface	1.093151	1.025	0.0003
SE TSLA Compo Vol Surface	1.093151	1.05	0.0007
SE TSLA Compo Vol Surface	1.093151	1.1	0.0016
SE TSLA Compo Vol Surface	1.093151	1.3	0.0069
SE TSLA Compo Vol Surface	1.342466	0.7	0
SE TSLA Compo Vol Surface	1.342466	0.9	0
SE TSLA Compo Vol Surface	1.342466	0.95	0
SE TSLA Compo Vol Surface	1.342466	0.975	0
SE TSLA Compo Vol Surface	1.342466	1	0
SE TSLA Compo Vol Surface	1.342466	1.025	0
SE TSLA Compo Vol Surface	1.342466	1.05	0
SE TSLA Compo Vol Surface	1.342466	1.1	0
SE TSLA Compo Vol Surface	1.342466	1.3	0
SE TSLA Compo Vol Surface	1.591781	0.7	0
SE TSLA Compo Vol Surface	1.591781	0.9	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE TSLA Compo Vol Surface	1.591781	0.95	0
SE TSLA Compo Vol Surface	1.591781	0.975	0
SE TSLA Compo Vol Surface	1.591781	1	0
SE TSLA Compo Vol Surface	1.591781	1.025	0
SE TSLA Compo Vol Surface	1.591781	1.05	0
SE TSLA Compo Vol Surface	1.591781	1.1	0
SE TSLA Compo Vol Surface	1.591781	1.3	0
SE TSLA Compo Vol Surface	1.841096	0.7	0
SE TSLA Compo Vol Surface	1.841096	0.9	0
SE TSLA Compo Vol Surface	1.841096	0.95	0
SE TSLA Compo Vol Surface	1.841096	0.975	0
SE TSLA Compo Vol Surface	1.841096	1	0
SE TSLA Compo Vol Surface	1.841096	1.025	0
SE TSLA Compo Vol Surface	1.841096	1.05	0
SE TSLA Compo Vol Surface	1.841096	1.1	0
JSE TSLA Quant Vol Surface	0.252055	0.9	0.0009
JSE TSLA Quant Vol Surface	0.252055	0.95	-0.0004
JSE TSLA Quant Vol Surface	0.252055	0.975	-0.0004
JSE TSLA Quant Vol Surface	0.252055	1	0
JSE TSLA Quant Vol Surface	0.252055	1.025	0.0009
JSE TSLA Quant Vol Surface	0.252055	1.05	0.0021
JSE TSLA Quant Vol Surface	0.252055	1.1	0.0053
JSE TSLA Quant Vol Surface	0.252055	1.3	0.0262
JSE TSLA Quant Vol Surface	0.347945	0.7	0.0242
JSE TSLA Quant Vol Surface	0.347945	0.9	0.0004
JSE TSLA Quant Vol Surface	0.347945	0.95	-0.0004
JSE TSLA Quant Vol Surface	0.347945	0.975	-0.0004
JSE TSLA Quant Vol Surface	0.347945	1	0
JSE TSLA Quant Vol Surface	0.347945	1.025	0.0007
JSE TSLA Quant Vol Surface	0.347945	1.05	0.0016
JSE TSLA Quant Vol Surface	0.347945	1.1	0.0039
JSE TSLA Quant Vol Surface	0.347945	1.3	0.0194
JSE TSLA Quant Vol Surface	0.59726	0.7	0.0134
JSE TSLA Quant Vol Surface	0.59726	0.9	-0.0002
JSE TSLA Quant Vol Surface	0.59726	0.95	-0.0005
JSE TSLA Quant Vol Surface	0.59726	0.975	-0.0004
JSE TSLA Quant Vol Surface	0.59726	1	0
JSE TSLA Quant Vol Surface	0.59726	1.025	0.0005
JSE TSLA Quant Vol Surface	0.59726	1.05	0.0011
JSE TSLA Quant Vol Surface	0.59726	1.1	0.0027
JSE TSLA Quant Vol Surface	0.59726	1.3	0.0119

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TSLA Quant Vol Surface	0.673973	0.7	0.0123
JSE TSLA Quant Vol Surface	0.673973	0.9	-0.0004
JSE TSLA Quant Vol Surface	0.673973	0.95	-0.0005
JSE TSLA Quant Vol Surface	0.673973	0.975	-0.0003
JSE TSLA Quant Vol Surface	0.673973	1	0
JSE TSLA Quant Vol Surface	0.673973	1.025	0.0004
JSE TSLA Quant Vol Surface	0.673973	1.05	0.0009
JSE TSLA Quant Vol Surface	0.673973	1.1	0.0023
JSE TSLA Quant Vol Surface	0.673973	1.3	0.0105
JSE TSLA Quant Vol Surface	0.846575	0.7	0.0089
JSE TSLA Quant Vol Surface	0.846575	0.9	-0.0003
JSE TSLA Quant Vol Surface	0.846575	0.95	-0.0005
JSE TSLA Quant Vol Surface	0.846575	0.975	-0.0003
JSE TSLA Quant Vol Surface	0.846575	1	0
JSE TSLA Quant Vol Surface	0.846575	1.025	0.0004
JSE TSLA Quant Vol Surface	0.846575	1.05	0.0009
JSE TSLA Quant Vol Surface	0.846575	1.1	0.0022
JSE TSLA Quant Vol Surface	0.846575	1.3	0.009
JSE TSLA Quant Vol Surface	1.093151	0.7	0.0074
JSE TSLA Quant Vol Surface	1.093151	0.9	-0.0001
JSE TSLA Quant Vol Surface	1.093151	0.95	-0.0003
JSE TSLA Quant Vol Surface	1.093151	0.975	-0.0002
JSE TSLA Quant Vol Surface	1.093151	1	0
JSE TSLA Quant Vol Surface	1.093151	1.025	0.0003
JSE TSLA Quant Vol Surface	1.093151	1.05	0.0007
JSE TSLA Quant Vol Surface	1.093151	1.1	0.0016
JSE TSLA Quant Vol Surface	1.093151	1.3	0.0069
JSE TSLA Quant Vol Surface	1.342466	0.7	0
JSE TSLA Quant Vol Surface	1.342466	0.9	0
JSE TSLA Quant Vol Surface	1.342466	0.95	0
JSE TSLA Quant Vol Surface	1.342466	0.975	0
JSE TSLA Quant Vol Surface	1.342466	1	0
JSE TSLA Quant Vol Surface	1.342466	1.025	0
JSE TSLA Quant Vol Surface	1.342466	1.05	0
JSE TSLA Quant Vol Surface	1.342466	1.1	0
JSE TSLA Quant Vol Surface	1.342466	1.3	0
JSE TSLA Quant Vol Surface	1.591781	0.7	0
JSE TSLA Quant Vol Surface	1.591781	0.9	0
JSE TSLA Quant Vol Surface	1.591781	0.95	0
JSE TSLA Quant Vol Surface	1.591781	0.975	0
JSE TSLA Quant Vol Surface	1.591781	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TSLA Quant Vol Surface	1.591781	1.025	0
JSE TSLA Quant Vol Surface	1.591781	1.05	0
JSE TSLA Quant Vol Surface	1.591781	1.1	0
JSE TSLA Quant Vol Surface	1.591781	1.3	0
JSE TSLA Quant Vol Surface	1.841096	0.7	0
JSE TSLA Quant Vol Surface	1.841096	0.9	0
JSE TSLA Quant Vol Surface	1.841096	0.95	0
JSE TSLA Quant Vol Surface	1.841096	0.975	0
JSE TSLA Quant Vol Surface	1.841096	1	0
JSE TSLA Quant Vol Surface	1.841096	1.025	0
JSE TSLA Quant Vol Surface	1.841096	1.05	0
JSE TSLA Quant Vol Surface	1.841096	1.1	0
JSE TSLA Quant Vol Surface	1.841096	1.3	0
JSE TSLA Quant Vol Surface	2.090411	0.7	0.0073
JSE TSLA Quant Vol Surface	2.090411	0.9	0.0009
JSE TSLA Quant Vol Surface	2.090411	0.95	0.0003
JSE TSLA Quant Vol Surface	2.090411	0.975	0.0001
JSE TSLA Quant Vol Surface	2.090411	1	0
JSE TSLA Quant Vol Surface	2.090411	1.025	-0.0001
JSE TSLA Quant Vol Surface	2.090411	1.05	-0.0001
JSE TSLA Quant Vol Surface	2.090411	1.1	0.0002
JSE TSLA Quant Vol Surface	2.090411	1.3	0.0028
JSE TSLA Quant Vol Surface	2.339726	0.7	0
JSE TSLA Quant Vol Surface	2.339726	0.9	0
JSE TSLA Quant Vol Surface	2.339726	0.95	0
JSE TSLA Quant Vol Surface	2.339726	0.975	0
JSE TSLA Quant Vol Surface	2.339726	1	0
JSE TSLA Quant Vol Surface	2.339726	1.025	0
JSE TSLA Quant Vol Surface	2.339726	1.05	0
JSE TSLA Quant Vol Surface	2.339726	1.1	0
JSE TSLA Quant Vol Surface	2.339726	1.3	0
JSE TSLA Quant Vol Surface	2.586301	0.7	0
JSE TSLA Quant Vol Surface	2.586301	0.9	0
JSE TSLA Quant Vol Surface	2.586301	0.95	0
JSE TSLA Quant Vol Surface	2.586301	0.975	0
JSE TSLA Quant Vol Surface	2.586301	1	0
JSE TSLA Quant Vol Surface	2.586301	1.025	0
JSE TSLA Quant Vol Surface	2.586301	1.05	0
JSE TSLA Quant Vol Surface	2.586301	1.1	0
JSE TSLA Quant Vol Surface	2.586301	1.3	0
JSE TSLA Quant Vol Surface	2.838356	0.7	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TSLA Quant Vol Surface	2.838356	0.9	0
JSE TSLA Quant Vol Surface	2.838356	0.95	0
JSE TSLA Quant Vol Surface	2.838356	0.975	0
JSE TSLA Quant Vol Surface	2.838356	1	0
JSE TSLA Quant Vol Surface	2.838356	1.025	0
JSE TSLA Quant Vol Surface	2.838356	1.05	0
JSE TSLA Quant Vol Surface	2.838356	1.1	0
JSE TSLA Quant Vol Surface	2.838356	1.3	0
JSE TSLA Quant Vol Surface	0	0.7	0.7715
JSE TSLA Quant Vol Surface	0	0.9	0.0576
JSE TSLA Quant Vol Surface	0	0.95	0.0006
JSE TSLA Quant Vol Surface	0	0.975	-0.0059
JSE TSLA Quant Vol Surface	0	1	0
JSE TSLA Quant Vol Surface	0	1.025	0.016
JSE TSLA Quant Vol Surface	0	1.05	0.0399
JSE TSLA Quant Vol Surface	0	1.1	0.1043
JSE TSLA Quant Vol Surface	0	1.3	0.3959
JSE TSLA Quant Vol Surface	0.00274	0.7	0.7715
JSE TSLA Quant Vol Surface	0.00274	0.9	0.0576
JSE TSLA Quant Vol Surface	0.00274	0.95	0.0006
JSE TSLA Quant Vol Surface	0.00274	0.975	-0.0059
JSE TSLA Quant Vol Surface	0.00274	1	0
JSE TSLA Quant Vol Surface	0.00274	1.025	0.016
JSE TSLA Quant Vol Surface	0.00274	1.05	0.0399
JSE TSLA Quant Vol Surface	0.00274	1.1	0.1043
JSE TSLA Quant Vol Surface	0.00274	1.3	0.3959
JSE TSLA Quant Vol Surface	0.09863	0.7	0.1022
JSE TSLA Quant Vol Surface	0.09863	0.9	-0.001
JSE TSLA Quant Vol Surface	0.09863	0.95	-0.0028
JSE TSLA Quant Vol Surface	0.09863	0.975	-0.0018
JSE TSLA Quant Vol Surface	0.09863	1	0
JSE TSLA Quant Vol Surface	0.09863	1.025	0.0027
JSE TSLA Quant Vol Surface	0.09863	1.05	0.006
JSE TSLA Quant Vol Surface	0.09863	1.1	0.0145
JSE TSLA Quant Vol Surface	0.09863	1.3	0.0712
JSE TSLA Quant Vol Surface	0.175342	0.7	0.0556
JSE TSLA Quant Vol Surface	0.175342	0.9	0.0015
JSE TSLA Quant Vol Surface	0.175342	0.95	-0.0006
JSE TSLA Quant Vol Surface	0.175342	0.975	-0.0006
JSE TSLA Quant Vol Surface	0.175342	1	0
JSE TSLA Quant Vol Surface	0.175342	1.025	0.0011

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE TSLA Quant Vol Surface	0.175342	1.05	0.0027
JSE TSLA Quant Vol Surface	0.175342	1.1	0.0074
JSE TSLA Quant Vol Surface	0.175342	1.3	0.04
JSE TSLA Quant Vol Surface	0.252055	0.7	0.0357
SE DELL Compo Vol Surface	0	0.7	0.3554
SE DELL Compo Vol Surface	0	0.9	0.0317
SE DELL Compo Vol Surface	0	0.95	0.0033
SE DELL Compo Vol Surface	0	0.975	-0.0026
SE DELL Compo Vol Surface	0	1	0
SE DELL Compo Vol Surface	0	1.025	0.0106
SE DELL Compo Vol Surface	0	1.05	0.0273
SE DELL Compo Vol Surface	0	1.1	0.07
SE DELL Compo Vol Surface	0	1.3	0.3521
SE DELL Compo Vol Surface	0.00274	0.7	0.3554
SE DELL Compo Vol Surface	0.00274	0.9	0.0317
SE DELL Compo Vol Surface	0.00274	0.95	0.0033
SE DELL Compo Vol Surface	0.00274	0.975	-0.0026
SE DELL Compo Vol Surface	0.00274	1	0
SE DELL Compo Vol Surface	0.00274	1.025	0.0106
SE DELL Compo Vol Surface	0.00274	1.05	0.0273
SE DELL Compo Vol Surface	0.00274	1.1	0.07
SE DELL Compo Vol Surface	0.00274	1.3	0.3521
SE DELL Compo Vol Surface	0.09863	0.7	0.0674
SE DELL Compo Vol Surface	0.09863	0.9	0.0203
SE DELL Compo Vol Surface	0.09863	0.95	0.0092
SE DELL Compo Vol Surface	0.09863	0.975	0.0043
SE DELL Compo Vol Surface	0.09863	1	0
SE DELL Compo Vol Surface	0.09863	1.025	-0.0037
SE DELL Compo Vol Surface	0.09863	1.05	-0.0067
SE DELL Compo Vol Surface	0.09863	1.1	-0.0104
SE DELL Compo Vol Surface	0.09863	1.3	-0.0077
SE DELL Compo Vol Surface	0.175342	0.7	0.058
SE DELL Compo Vol Surface	0.175342	0.9	0.0181
SE DELL Compo Vol Surface	0.175342	0.95	0.0085
SE DELL Compo Vol Surface	0.175342	0.975	0.0041
SE DELL Compo Vol Surface	0.175342	1	0
SE DELL Compo Vol Surface	0.175342	1.025	-0.0036
SE DELL Compo Vol Surface	0.175342	1.05	-0.0067
SE DELL Compo Vol Surface	0.175342	1.1	-0.0115
SE DELL Compo Vol Surface	0.175342	1.3	-0.0148
SE DELL Compo Vol Surface	0.252055	0.7	0.0463

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE DELL Compo Vol Surface	0.252055	0.9	0.0151
SE DELL Compo Vol Surface	0.252055	0.95	0.0073
SE DELL Compo Vol Surface	0.252055	0.975	0.0036
SE DELL Compo Vol Surface	0.252055	1	0
SE DELL Compo Vol Surface	0.252055	1.025	-0.0032
SE DELL Compo Vol Surface	0.252055	1.05	-0.0063
SE DELL Compo Vol Surface	0.252055	1.1	-0.0115
SE DELL Compo Vol Surface	0.252055	1.3	-0.0207
SE DELL Compo Vol Surface	0.347945	0.7	0.0456
SE DELL Compo Vol Surface	0.347945	0.9	0.0147
SE DELL Compo Vol Surface	0.347945	0.95	0.0071
SE DELL Compo Vol Surface	0.347945	0.975	0.0035
SE DELL Compo Vol Surface	0.347945	1	0
SE DELL Compo Vol Surface	0.347945	1.025	-0.0033
SE DELL Compo Vol Surface	0.347945	1.05	-0.0064
SE DELL Compo Vol Surface	0.347945	1.1	-0.012
SE DELL Compo Vol Surface	0.347945	1.3	-0.0244
SE DELL Compo Vol Surface	0.59726	0.7	0.0373
SE DELL Compo Vol Surface	0.59726	0.9	0.0127
SE DELL Compo Vol Surface	0.59726	0.95	0.0062
SE DELL Compo Vol Surface	0.59726	0.975	0.0031
SE DELL Compo Vol Surface	0.59726	1	0
SE DELL Compo Vol Surface	0.59726	1.025	-0.0029
SE DELL Compo Vol Surface	0.59726	1.05	-0.0058
SE DELL Compo Vol Surface	0.59726	1.1	-0.0112
SE DELL Compo Vol Surface	0.59726	1.3	-0.0247
SE DELL Compo Vol Surface	0.673973	0.7	0.0363
SE DELL Compo Vol Surface	0.673973	0.9	0.0122
SE DELL Compo Vol Surface	0.673973	0.95	0.006
SE DELL Compo Vol Surface	0.673973	0.975	0.003
SE DELL Compo Vol Surface	0.673973	1	0
SE DELL Compo Vol Surface	0.673973	1.025	-0.0028
SE DELL Compo Vol Surface	0.673973	1.05	-0.0056
SE DELL Compo Vol Surface	0.673973	1.1	-0.0108
SE DELL Compo Vol Surface	0.673973	1.3	-0.0243
SE DELL Compo Vol Surface	0.846575	0.7	0.0323
SE DELL Compo Vol Surface	0.846575	0.9	0.0108
SE DELL Compo Vol Surface	0.846575	0.95	0.0053
SE DELL Compo Vol Surface	0.846575	0.975	0.0026
SE DELL Compo Vol Surface	0.846575	1	0
SE DELL Compo Vol Surface	0.846575	1.025	-0.0026

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE DELL Compo Vol Surface	0.846575	1.05	-0.0052
SE DELL Compo Vol Surface	0.846575	1.1	-0.01
SE DELL Compo Vol Surface	0.846575	1.3	-0.0243
SE DELL Compo Vol Surface	1.093151	0.7	0.0314
SE DELL Compo Vol Surface	1.093151	0.9	0.0105
SE DELL Compo Vol Surface	1.093151	0.95	0.0052
SE DELL Compo Vol Surface	1.093151	0.975	0.0026
SE DELL Compo Vol Surface	1.093151	1	0
SE DELL Compo Vol Surface	1.093151	1.025	-0.0025
SE DELL Compo Vol Surface	1.093151	1.05	-0.005
SE DELL Compo Vol Surface	1.093151	1.1	-0.0098
SE DELL Compo Vol Surface	1.093151	1.3	-0.0249
SE DELL Compo Vol Surface	1.342466	0.7	0
SE DELL Compo Vol Surface	1.342466	0.9	0
SE DELL Compo Vol Surface	1.342466	0.95	0
SE DELL Compo Vol Surface	1.342466	0.975	0
SE DELL Compo Vol Surface	1.342466	1	0
SE DELL Compo Vol Surface	1.342466	1.025	0
SE DELL Compo Vol Surface	1.342466	1.05	0
SE DELL Compo Vol Surface	1.342466	1.1	0
SE DELL Compo Vol Surface	1.342466	1.3	0
SE DELL Compo Vol Surface	1.591781	0.7	0
SE DELL Compo Vol Surface	1.591781	0.9	0
SE DELL Compo Vol Surface	1.591781	0.95	0
SE DELL Compo Vol Surface	1.591781	0.975	0
SE DELL Compo Vol Surface	1.591781	1	0
SE DELL Compo Vol Surface	1.591781	1.025	0
SE DELL Compo Vol Surface	1.591781	1.05	0
SE DELL Compo Vol Surface	1.591781	1.1	0
SE DELL Compo Vol Surface	1.591781	1.3	0
SE DELL Compo Vol Surface	1.841096	0.7	0
SE DELL Compo Vol Surface	1.841096	0.9	0
SE DELL Compo Vol Surface	1.841096	0.95	0
SE DELL Compo Vol Surface	1.841096	0.975	0
SE DELL Compo Vol Surface	1.841096	1	0
SE DELL Compo Vol Surface	1.841096	1.025	0
SE DELL Compo Vol Surface	1.841096	1.05	0
SE DELL Compo Vol Surface	1.841096	1.1	0
SE DELL Compo Vol Surface	1.841096	1.3	0
SE DELL Compo Vol Surface	2.090411	0.7	0.0263
SE DELL Compo Vol Surface	2.090411	0.9	0.0086

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE DELL Compo Vol Surface	2.090411	0.95	0.0042
SE DELL Compo Vol Surface	2.090411	0.975	0.0021
SE DELL Compo Vol Surface	2.090411	1	0
SE DELL Compo Vol Surface	2.090411	1.025	-0.0021
SE DELL Compo Vol Surface	2.090411	1.05	-0.0041
SE DELL Compo Vol Surface	2.090411	1.1	-0.0081
SE DELL Compo Vol Surface	2.090411	1.3	-0.0216
SE DELL Compo Vol Surface	2.339726	0.7	0
SE DELL Compo Vol Surface	2.339726	0.9	0
SE DELL Compo Vol Surface	2.339726	0.95	0
SE DELL Compo Vol Surface	2.339726	0.975	0
SE DELL Compo Vol Surface	2.339726	1	0
SE DELL Compo Vol Surface	2.339726	1.025	0
SE DELL Compo Vol Surface	2.339726	1.05	0
SE DELL Compo Vol Surface	2.339726	1.1	0
SE DELL Compo Vol Surface	2.339726	1.3	0
SE DELL Compo Vol Surface	2.586301	0.7	0
SE DELL Compo Vol Surface	2.586301	0.9	0
SE DELL Compo Vol Surface	2.586301	0.95	0
SE DELL Compo Vol Surface	2.586301	0.975	0
SE DELL Compo Vol Surface	2.586301	1	0
SE DELL Compo Vol Surface	2.586301	1.025	0
SE DELL Compo Vol Surface	2.586301	1.05	0
SE DELL Compo Vol Surface	2.586301	1.1	0
SE DELL Compo Vol Surface	2.586301	1.3	0
SE DELL Compo Vol Surface	2.838356	0.7	0
SE DELL Compo Vol Surface	2.838356	0.9	0
SE DELL Compo Vol Surface	2.838356	0.95	0
SE DELL Compo Vol Surface	2.838356	0.975	0
SE DELL Compo Vol Surface	2.838356	1	0
SE DELL Compo Vol Surface	2.838356	1.025	0
SE DELL Compo Vol Surface	2.838356	1.05	0
SE DELL Compo Vol Surface	2.838356	1.1	0
SE DELL Compo Vol Surface	2.838356	1.3	0
JSE DELL Quant Vol Surface	1.841096	0.975	0
JSE DELL Quant Vol Surface	1.841096	1	0
JSE DELL Quant Vol Surface	1.841096	1.025	0
JSE DELL Quant Vol Surface	1.841096	1.05	0
JSE DELL Quant Vol Surface	1.841096	1.1	0
JSE DELL Quant Vol Surface	1.841096	1.3	0
JSE DELL Quant Vol Surface	2.090411	0.7	0.0263

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE DELL Quant Vol Surface	2.090411	0.9	0.0086
JSE DELL Quant Vol Surface	2.090411	0.95	0.0042
JSE DELL Quant Vol Surface	2.090411	0.975	0.0021
JSE DELL Quant Vol Surface	2.090411	1	0
JSE DELL Quant Vol Surface	2.090411	1.025	-0.0021
JSE DELL Quant Vol Surface	2.090411	1.05	-0.0041
JSE DELL Quant Vol Surface	2.090411	1.1	-0.0081
JSE DELL Quant Vol Surface	2.090411	1.3	-0.0216
JSE DELL Quant Vol Surface	2.339726	0.7	0
JSE DELL Quant Vol Surface	2.339726	0.9	0
JSE DELL Quant Vol Surface	2.339726	0.95	0
JSE DELL Quant Vol Surface	2.339726	0.975	0
JSE DELL Quant Vol Surface	2.339726	1	0
JSE DELL Quant Vol Surface	2.339726	1.025	0
JSE DELL Quant Vol Surface	2.339726	1.05	0
JSE DELL Quant Vol Surface	2.339726	1.1	0
JSE DELL Quant Vol Surface	2.339726	1.3	0
JSE DELL Quant Vol Surface	2.586301	0.7	0
JSE DELL Quant Vol Surface	2.586301	0.9	0
JSE DELL Quant Vol Surface	2.586301	0.95	0
JSE DELL Quant Vol Surface	2.586301	0.975	0
JSE DELL Quant Vol Surface	2.586301	1	0
JSE DELL Quant Vol Surface	2.586301	1.025	0
JSE DELL Quant Vol Surface	2.586301	1.05	0
JSE DELL Quant Vol Surface	2.586301	1.1	0
JSE DELL Quant Vol Surface	2.586301	1.3	0
JSE DELL Quant Vol Surface	2.838356	0.7	0
JSE DELL Quant Vol Surface	2.838356	0.9	0
JSE DELL Quant Vol Surface	2.838356	0.95	0
JSE DELL Quant Vol Surface	2.838356	0.975	0
JSE DELL Quant Vol Surface	2.838356	1	0
JSE DELL Quant Vol Surface	2.838356	1.025	0
JSE DELL Quant Vol Surface	2.838356	1.05	0
JSE DELL Quant Vol Surface	2.838356	1.1	0
JSE DELL Quant Vol Surface	2.838356	1.3	0
JSE DELL Quant Vol Surface	0	0.7	0.3554
JSE DELL Quant Vol Surface	0	0.9	0.0317
JSE DELL Quant Vol Surface	0	0.95	0.0033
JSE DELL Quant Vol Surface	0	0.975	-0.0026
JSE DELL Quant Vol Surface	0	1	0
JSE DELL Quant Vol Surface	0	1.025	0.0106

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE DELL Quant Vol Surface	0	1.05	0.0273
JSE DELL Quant Vol Surface	0	1.1	0.07
JSE DELL Quant Vol Surface	0	1.3	0.3521
JSE DELL Quant Vol Surface	0.00274	0.7	0.3554
JSE DELL Quant Vol Surface	0.00274	0.9	0.0317
JSE DELL Quant Vol Surface	0.00274	0.95	0.0033
JSE DELL Quant Vol Surface	0.00274	0.975	-0.0026
JSE DELL Quant Vol Surface	0.00274	1	0
JSE DELL Quant Vol Surface	0.00274	1.025	0.0106
JSE DELL Quant Vol Surface	0.00274	1.05	0.0273
JSE DELL Quant Vol Surface	0.00274	1.1	0.07
JSE DELL Quant Vol Surface	0.00274	1.3	0.3521
JSE DELL Quant Vol Surface	0.09863	0.7	0.0674
JSE DELL Quant Vol Surface	0.09863	0.9	0.0203
JSE DELL Quant Vol Surface	0.09863	0.95	0.0092
JSE DELL Quant Vol Surface	0.09863	0.975	0.0043
JSE DELL Quant Vol Surface	0.09863	1	0
JSE DELL Quant Vol Surface	0.09863	1.025	-0.0037
JSE DELL Quant Vol Surface	0.09863	1.05	-0.0067
JSE DELL Quant Vol Surface	0.09863	1.1	-0.0104
JSE DELL Quant Vol Surface	0.09863	1.3	-0.0077
JSE DELL Quant Vol Surface	0.175342	0.7	0.058
JSE DELL Quant Vol Surface	0.175342	0.9	0.0181
JSE DELL Quant Vol Surface	0.175342	0.95	0.0085
JSE DELL Quant Vol Surface	0.175342	0.975	0.0041
JSE DELL Quant Vol Surface	0.175342	1	0
JSE DELL Quant Vol Surface	0.175342	1.025	-0.0036
JSE DELL Quant Vol Surface	0.175342	1.05	-0.0067
JSE DELL Quant Vol Surface	0.175342	1.1	-0.0115
JSE DELL Quant Vol Surface	0.175342	1.3	-0.0148
JSE DELL Quant Vol Surface	0.252055	0.7	0.0463
JSE DELL Quant Vol Surface	0.252055	0.9	0.0151
JSE DELL Quant Vol Surface	0.252055	0.95	0.0073
JSE DELL Quant Vol Surface	0.252055	0.975	0.0036
JSE DELL Quant Vol Surface	0.252055	1	0
JSE DELL Quant Vol Surface	0.252055	1.025	-0.0032
JSE DELL Quant Vol Surface	0.252055	1.05	-0.0063
JSE DELL Quant Vol Surface	0.252055	1.1	-0.0115
JSE DELL Quant Vol Surface	0.252055	1.3	-0.0207
JSE DELL Quant Vol Surface	0.347945	0.7	0.0456
JSE DELL Quant Vol Surface	0.347945	0.9	0.0147

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE DELL Quant Vol Surface	0.347945	0.95	0.0071
JSE DELL Quant Vol Surface	0.347945	0.975	0.0035
JSE DELL Quant Vol Surface	0.347945	1	0
JSE DELL Quant Vol Surface	0.347945	1.025	-0.0033
JSE DELL Quant Vol Surface	0.347945	1.05	-0.0064
JSE DELL Quant Vol Surface	0.347945	1.1	-0.012
JSE DELL Quant Vol Surface	0.347945	1.3	-0.0244
JSE DELL Quant Vol Surface	0.59726	0.7	0.0373
JSE DELL Quant Vol Surface	0.59726	0.9	0.0127
JSE DELL Quant Vol Surface	0.59726	0.95	0.0062
JSE DELL Quant Vol Surface	0.59726	0.975	0.0031
JSE DELL Quant Vol Surface	0.59726	1	0
JSE DELL Quant Vol Surface	0.59726	1.025	-0.0029
JSE DELL Quant Vol Surface	0.59726	1.05	-0.0058
JSE DELL Quant Vol Surface	0.59726	1.1	-0.0112
JSE DELL Quant Vol Surface	0.59726	1.3	-0.0247
JSE DELL Quant Vol Surface	0.673973	0.7	0.0363
JSE DELL Quant Vol Surface	0.673973	0.9	0.0122
JSE DELL Quant Vol Surface	0.673973	0.95	0.006
JSE DELL Quant Vol Surface	0.673973	0.975	0.003
JSE DELL Quant Vol Surface	0.673973	1	0
JSE DELL Quant Vol Surface	0.673973	1.025	-0.0028
JSE DELL Quant Vol Surface	0.673973	1.05	-0.0056
JSE DELL Quant Vol Surface	0.673973	1.1	-0.0108
JSE DELL Quant Vol Surface	0.673973	1.3	-0.0243
JSE DELL Quant Vol Surface	0.846575	0.7	0.0323
JSE DELL Quant Vol Surface	0.846575	0.9	0.0108
JSE DELL Quant Vol Surface	0.846575	0.95	0.0053
JSE DELL Quant Vol Surface	0.846575	0.975	0.0026
JSE DELL Quant Vol Surface	0.846575	1	0
JSE DELL Quant Vol Surface	0.846575	1.025	-0.0026
JSE DELL Quant Vol Surface	0.846575	1.05	-0.0052
JSE DELL Quant Vol Surface	0.846575	1.1	-0.01
JSE DELL Quant Vol Surface	0.846575	1.3	-0.0243
JSE DELL Quant Vol Surface	1.093151	0.7	0.0314
JSE DELL Quant Vol Surface	1.093151	0.9	0.0105
JSE DELL Quant Vol Surface	1.093151	0.95	0.0052
JSE DELL Quant Vol Surface	1.093151	0.975	0.0026
JSE DELL Quant Vol Surface	1.093151	1	0
JSE DELL Quant Vol Surface	1.093151	1.025	-0.0025
JSE DELL Quant Vol Surface	1.093151	1.05	-0.005

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE DELL Quant Vol Surface	1.093151	1.1	-0.0098
JSE DELL Quant Vol Surface	1.093151	1.3	-0.0249
JSE DELL Quant Vol Surface	1.342466	0.7	0
JSE DELL Quant Vol Surface	1.342466	0.9	0
JSE DELL Quant Vol Surface	1.342466	0.95	0
JSE DELL Quant Vol Surface	1.342466	0.975	0
JSE DELL Quant Vol Surface	1.342466	1	0
JSE DELL Quant Vol Surface	1.342466	1.025	0
JSE DELL Quant Vol Surface	1.342466	1.05	0
JSE DELL Quant Vol Surface	1.342466	1.1	0
JSE DELL Quant Vol Surface	1.342466	1.3	0
JSE DELL Quant Vol Surface	1.591781	0.7	0
JSE DELL Quant Vol Surface	1.591781	0.9	0
JSE DELL Quant Vol Surface	1.591781	0.95	0
JSE DELL Quant Vol Surface	1.591781	0.975	0
JSE DELL Quant Vol Surface	1.591781	1	0
JSE DELL Quant Vol Surface	1.591781	1.025	0
JSE DELL Quant Vol Surface	1.591781	1.05	0
JSE DELL Quant Vol Surface	1.591781	1.1	0
JSE DELL Quant Vol Surface	1.591781	1.3	0
JSE DELL Quant Vol Surface	1.841096	0.7	0
JSE DELL Quant Vol Surface	1.841096	0.9	0
JSE DELL Quant Vol Surface	1.841096	0.95	0
JSE NVDA Compo Vol Surface	0	0.7	0.3349
JSE NVDA Compo Vol Surface	0.175342	1.025	-0.005
JSE NVDA Compo Vol Surface	0	0.9	0.0618
JSE NVDA Compo Vol Surface	0.175342	1.05	-0.0097
JSE NVDA Compo Vol Surface	0	0.95	0.0268
JSE NVDA Compo Vol Surface	0.175342	1.1	-0.018
JSE NVDA Compo Vol Surface	0	0.975	0.0122
JSE NVDA Compo Vol Surface	0.175342	1.3	-0.0273
JSE NVDA Compo Vol Surface	0	1	0
JSE NVDA Compo Vol Surface	0.252055	0.7	0.0883
JSE NVDA Compo Vol Surface	0	1.025	-0.0095
JSE NVDA Compo Vol Surface	0.252055	0.9	0.0214
JSE NVDA Compo Vol Surface	0	1.05	-0.016
JSE NVDA Compo Vol Surface	0.252055	0.95	0.0101
JSE NVDA Compo Vol Surface	0	1.1	-0.0195
JSE NVDA Compo Vol Surface	0.252055	0.975	0.0049
JSE NVDA Compo Vol Surface	0	1.3	0.0875
JSE NVDA Compo Vol Surface	0.252055	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Compo Vol Surface	0.00274	0.7	0.3349
SE NVDA Compo Vol Surface	0.252055	1.025	-0.0046
SE NVDA Compo Vol Surface	0.00274	0.9	0.0618
SE NVDA Compo Vol Surface	0.252055	1.05	-0.0089
SE NVDA Compo Vol Surface	0.00274	0.95	0.0268
SE NVDA Compo Vol Surface	0.252055	1.1	-0.0165
SE NVDA Compo Vol Surface	0.00274	0.975	0.0122
SE NVDA Compo Vol Surface	0.252055	1.3	-0.0288
SE NVDA Compo Vol Surface	0.00274	1	0
SE NVDA Compo Vol Surface	0.347945	0.7	0.0707
SE NVDA Compo Vol Surface	0.00274	1.025	-0.0095
SE NVDA Compo Vol Surface	0.347945	0.9	0.0181
SE NVDA Compo Vol Surface	0.00274	1.05	-0.016
SE NVDA Compo Vol Surface	0.347945	0.95	0.0087
SE NVDA Compo Vol Surface	0.00274	1.1	-0.0195
SE NVDA Compo Vol Surface	0.347945	0.975	0.0042
SE NVDA Compo Vol Surface	0.00274	1.3	0.0875
SE NVDA Compo Vol Surface	0.347945	1	0
SE NVDA Compo Vol Surface	0.09863	0.7	0.13
SE NVDA Compo Vol Surface	0.347945	1.025	-0.0039
SE NVDA Compo Vol Surface	0.09863	0.9	0.031
SE NVDA Compo Vol Surface	0.347945	1.05	-0.0076
SE NVDA Compo Vol Surface	0.09863	0.95	0.0145
SE NVDA Compo Vol Surface	0.347945	1.1	-0.014
SE NVDA Compo Vol Surface	0.09863	0.975	0.007
SE NVDA Compo Vol Surface	0.347945	1.3	-0.0271
SE NVDA Compo Vol Surface	0.09863	1	0
SE NVDA Compo Vol Surface	0.59726	0.7	0.0459
SE NVDA Compo Vol Surface	0.09863	1.025	-0.0063
SE NVDA Compo Vol Surface	0.59726	0.9	0.012
SE NVDA Compo Vol Surface	0.09863	1.05	-0.012
SE NVDA Compo Vol Surface	0.59726	0.95	0.0057
SE NVDA Compo Vol Surface	0.09863	1.1	-0.0212
SE NVDA Compo Vol Surface	0.59726	0.975	0.0028
SE NVDA Compo Vol Surface	0.09863	1.3	-0.0203
SE NVDA Compo Vol Surface	0.59726	1	0
SE NVDA Compo Vol Surface	0.175342	0.7	0.103
SE NVDA Compo Vol Surface	0.59726	1.025	-0.0027
SE NVDA Compo Vol Surface	0.175342	0.9	0.0235
SE NVDA Compo Vol Surface	0.59726	1.05	-0.0053
SE NVDA Compo Vol Surface	0.175342	0.95	0.011

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Compo Vol Surface	0.59726	1.1	-0.01
SE NVDA Compo Vol Surface	0.175342	0.975	0.0053
SE NVDA Compo Vol Surface	0.59726	1.3	-0.0228
SE NVDA Compo Vol Surface	0.175342	1	0
SE NVDA Compo Vol Surface	0.673973	0.7	0.0427
SE NVDA Compo Vol Surface	0.673973	0.9	0.0112
SE NVDA Compo Vol Surface	0.673973	0.95	0.0052
SE NVDA Compo Vol Surface	0.673973	0.975	0.0025
SE NVDA Compo Vol Surface	0.673973	1	0
SE NVDA Compo Vol Surface	0.673973	1.025	-0.0024
SE NVDA Compo Vol Surface	0.673973	1.05	-0.0047
SE NVDA Compo Vol Surface	0.673973	1.1	-0.0088
SE NVDA Compo Vol Surface	0.673973	1.3	-0.0209
SE NVDA Compo Vol Surface	0.846575	0.7	0.0351
SE NVDA Compo Vol Surface	0.846575	0.9	0.0092
SE NVDA Compo Vol Surface	0.846575	0.95	0.0043
SE NVDA Compo Vol Surface	0.846575	0.975	0.0021
SE NVDA Compo Vol Surface	0.846575	1	0
SE NVDA Compo Vol Surface	0.846575	1.025	-0.002
SE NVDA Compo Vol Surface	0.846575	1.05	-0.0039
SE NVDA Compo Vol Surface	0.846575	1.1	-0.0076
SE NVDA Compo Vol Surface	0.846575	1.3	-0.0188
SE NVDA Compo Vol Surface	1.093151	0.7	0.0312
SE NVDA Compo Vol Surface	1.093151	0.9	0.0082
SE NVDA Compo Vol Surface	1.093151	0.95	0.0039
SE NVDA Compo Vol Surface	1.093151	0.975	0.0019
SE NVDA Compo Vol Surface	1.093151	1	0
SE NVDA Compo Vol Surface	1.093151	1.025	-0.0018
SE NVDA Compo Vol Surface	1.093151	1.05	-0.0035
SE NVDA Compo Vol Surface	1.093151	1.1	-0.0068
SE NVDA Compo Vol Surface	1.093151	1.3	-0.0161
SE NVDA Compo Vol Surface	1.594521	0.7	0.0258
SE NVDA Compo Vol Surface	1.594521	0.9	0.0071
SE NVDA Compo Vol Surface	1.594521	0.95	0.0034
SE NVDA Compo Vol Surface	1.594521	0.975	0.0017
SE NVDA Compo Vol Surface	1.594521	1	0
SE NVDA Compo Vol Surface	1.594521	1.025	-0.0016
SE NVDA Compo Vol Surface	1.594521	1.05	-0.0031
SE NVDA Compo Vol Surface	1.594521	1.1	-0.0059
SE NVDA Compo Vol Surface	1.594521	1.3	-0.0138
SE NVDA Compo Vol Surface	1.671233	0.7	0.0261

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Compo Vol Surface	1.671233	0.9	0.007
SE NVDA Compo Vol Surface	1.671233	0.95	0.0033
SE NVDA Compo Vol Surface	1.671233	0.975	0.0016
SE NVDA Compo Vol Surface	1.671233	1	0
SE NVDA Compo Vol Surface	1.671233	1.025	-0.0015
SE NVDA Compo Vol Surface	1.671233	1.05	-0.0029
SE NVDA Compo Vol Surface	1.671233	1.1	-0.0055
SE NVDA Compo Vol Surface	1.671233	1.3	-0.0132
SE NVDA Compo Vol Surface	2.090411	0.7	0.0209
SE NVDA Compo Vol Surface	2.090411	0.9	0.0055
SE NVDA Compo Vol Surface	2.090411	0.95	0.0026
SE NVDA Compo Vol Surface	2.090411	0.975	0.0012
SE NVDA Compo Vol Surface	2.090411	1	0
SE NVDA Compo Vol Surface	2.090411	1.025	-0.0013
SE NVDA Compo Vol Surface	2.090411	1.05	-0.0025
SE NVDA Compo Vol Surface	2.090411	1.1	-0.0048
SE NVDA Compo Vol Surface	2.090411	1.3	-0.0116
SE NVDA Compo Vol Surface	2.591781	0.7	0.0203
SE NVDA Compo Vol Surface	2.591781	0.9	0.0055
SE NVDA Compo Vol Surface	2.591781	0.95	0.0027
SE NVDA Compo Vol Surface	2.591781	0.975	0.0013
SE NVDA Compo Vol Surface	2.591781	1	0
SE NVDA Compo Vol Surface	2.591781	1.025	-0.0012
SE NVDA Compo Vol Surface	2.591781	1.05	-0.0024
SE NVDA Compo Vol Surface	2.591781	1.1	-0.0044
SE NVDA Compo Vol Surface	2.591781	1.3	-0.0105
SE NVDA Compo Vol Surface	3.589041	0.7	0.0266
SE NVDA Compo Vol Surface	3.589041	0.9	0.007
SE NVDA Compo Vol Surface	3.589041	0.95	0.0034
SE NVDA Compo Vol Surface	3.589041	0.975	0.0016
SE NVDA Compo Vol Surface	3.589041	1	0
SE NVDA Compo Vol Surface	3.589041	1.025	-0.0015
SE NVDA Compo Vol Surface	3.589041	1.05	-0.0029
SE NVDA Compo Vol Surface	3.589041	1.1	-0.0056
SE NVDA Compo Vol Surface	3.589041	1.3	-0.0138
SE NVDA Compo Vol Surface	4.605479	0.7	0.0301
SE NVDA Compo Vol Surface	4.605479	0.9	0.0079
SE NVDA Compo Vol Surface	4.605479	0.95	0.0038
SE NVDA Compo Vol Surface	4.605479	0.975	0.0019
SE NVDA Compo Vol Surface	4.605479	1	0
SE NVDA Compo Vol Surface	4.605479	1.025	-0.0017

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Compo Vol Surface	4.605479	1.05	-0.0034
SE NVDA Compo Vol Surface	4.605479	1.1	-0.0064
SE NVDA Compo Vol Surface	4.605479	1.3	-0.0156
SE NVDA Compo Vol Surface	5.60274	0.7	0.0321
SE NVDA Compo Vol Surface	5.60274	0.9	0.0083
SE NVDA Compo Vol Surface	5.60274	0.95	0.0039
SE NVDA Compo Vol Surface	5.60274	0.975	0.0019
SE NVDA Compo Vol Surface	5.60274	1	0
SE NVDA Compo Vol Surface	5.60274	1.025	-0.0018
SE NVDA Compo Vol Surface	5.60274	1.05	-0.0036
SE NVDA Compo Vol Surface	5.60274	1.1	-0.0068
SE NVDA Compo Vol Surface	5.60274	1.3	-0.0169
SE NVDA Quant Vol Surface	0	0.7	0.2276
SE NVDA Quant Vol Surface	0	0.9	0.043
SE NVDA Quant Vol Surface	0	0.95	0.0191
SE NVDA Quant Vol Surface	0	0.975	0.0089
SE NVDA Quant Vol Surface	0	1	0
SE NVDA Quant Vol Surface	0	1.025	-0.0075
SE NVDA Quant Vol Surface	0	1.05	-0.0135
SE NVDA Quant Vol Surface	0	1.1	-0.02
SE NVDA Quant Vol Surface	0	1.3	0.0379
SE NVDA Quant Vol Surface	0.09589	0.7	0.2276
SE NVDA Quant Vol Surface	0.09589	0.9	0.043
SE NVDA Quant Vol Surface	0.09589	0.95	0.0191
SE NVDA Quant Vol Surface	0.09589	0.975	0.0089
SE NVDA Quant Vol Surface	0.09589	1	0
SE NVDA Quant Vol Surface	0.09589	1.025	-0.0075
SE NVDA Quant Vol Surface	0.09589	1.05	-0.0135
SE NVDA Quant Vol Surface	0.09589	1.1	-0.02
SE NVDA Quant Vol Surface	0.09589	1.3	0.0379
SE NVDA Quant Vol Surface	0.172603	0.7	0.1434
SE NVDA Quant Vol Surface	0.172603	0.9	0.0322
SE NVDA Quant Vol Surface	0.172603	0.95	0.0146
SE NVDA Quant Vol Surface	0.172603	0.975	0.0068
SE NVDA Quant Vol Surface	0.172603	1	0
SE NVDA Quant Vol Surface	0.172603	1.025	-0.0059
SE NVDA Quant Vol Surface	0.172603	1.05	-0.0107
SE NVDA Quant Vol Surface	0.172603	1.1	-0.0167
SE NVDA Quant Vol Surface	0.172603	1.3	0.0021
SE NVDA Quant Vol Surface	0.268493	0.7	0.0883
SE NVDA Quant Vol Surface	0.268493	0.9	0.0195

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Quant Vol Surface	0.268493	0.95	0.0088
SE NVDA Quant Vol Surface	0.268493	0.975	0.0041
SE NVDA Quant Vol Surface	0.268493	1	0
SE NVDA Quant Vol Surface	0.268493	1.025	-0.0037
SE NVDA Quant Vol Surface	0.268493	1.05	-0.007
SE NVDA Quant Vol Surface	0.268493	1.1	-0.0121
SE NVDA Quant Vol Surface	0.268493	1.3	-0.0135
SE NVDA Quant Vol Surface	0.517808	0.7	0.0613
SE NVDA Quant Vol Surface	0.517808	0.9	0.0145
SE NVDA Quant Vol Surface	0.517808	0.95	0.0066
SE NVDA Quant Vol Surface	0.517808	0.975	0.0032
SE NVDA Quant Vol Surface	0.517808	1	0
SE NVDA Quant Vol Surface	0.517808	1.025	-0.0029
SE NVDA Quant Vol Surface	0.517808	1.05	-0.0055
SE NVDA Quant Vol Surface	0.517808	1.1	-0.01
SE NVDA Quant Vol Surface	0.517808	1.3	-0.0184
SE NVDA Quant Vol Surface	0.594521	0.7	0.0531
SE NVDA Quant Vol Surface	0.594521	0.9	0.013
SE NVDA Quant Vol Surface	0.594521	0.95	0.0059
SE NVDA Quant Vol Surface	0.594521	0.975	0.0028
SE NVDA Quant Vol Surface	0.594521	1	0
SE NVDA Quant Vol Surface	0.594521	1.025	-0.0025
SE NVDA Quant Vol Surface	0.594521	1.05	-0.0048
SE NVDA Quant Vol Surface	0.594521	1.1	-0.0086
SE NVDA Quant Vol Surface	0.594521	1.3	-0.0163
SE NVDA Quant Vol Surface	0.767123	0.7	0.0438
SE NVDA Quant Vol Surface	0.767123	0.9	0.0112
SE NVDA Quant Vol Surface	0.767123	0.95	0.0053
SE NVDA Quant Vol Surface	0.767123	0.975	0.0025
SE NVDA Quant Vol Surface	0.767123	1	0
SE NVDA Quant Vol Surface	0.767123	1.025	-0.0023
SE NVDA Quant Vol Surface	0.767123	1.05	-0.0044
SE NVDA Quant Vol Surface	0.767123	1.1	-0.0079
SE NVDA Quant Vol Surface	0.767123	1.3	-0.0152
SE NVDA Quant Vol Surface	1.013699	0.7	0.0385
SE NVDA Quant Vol Surface	1.013699	0.9	0.0099
SE NVDA Quant Vol Surface	1.013699	0.95	0.0046
SE NVDA Quant Vol Surface	1.013699	0.975	0.0022
SE NVDA Quant Vol Surface	1.013699	1	0
SE NVDA Quant Vol Surface	1.013699	1.025	-0.002
SE NVDA Quant Vol Surface	1.013699	1.05	-0.0039

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Quant Vol Surface	1.013699	1.1	-0.007
SE NVDA Quant Vol Surface	1.013699	1.3	-0.0137
SE NVDA Quant Vol Surface	1.265753	0.7	0.0338
SE NVDA Quant Vol Surface	1.265753	0.9	0.0088
SE NVDA Quant Vol Surface	1.265753	0.95	0.0041
SE NVDA Quant Vol Surface	1.265753	0.975	0.0019
SE NVDA Quant Vol Surface	1.265753	1	0
SE NVDA Quant Vol Surface	1.265753	1.025	-0.0018
SE NVDA Quant Vol Surface	1.265753	1.05	-0.0033
SE NVDA Quant Vol Surface	1.265753	1.1	-0.006
SE NVDA Quant Vol Surface	1.265753	1.3	-0.0115
SE NVDA Quant Vol Surface	1.515068	0.7	0.0318
SE NVDA Quant Vol Surface	1.515068	0.9	0.0082
SE NVDA Quant Vol Surface	1.515068	0.95	0.0038
SE NVDA Quant Vol Surface	1.515068	0.975	0.0018
SE NVDA Quant Vol Surface	1.515068	1	0
SE NVDA Quant Vol Surface	1.515068	1.025	-0.0017
SE NVDA Quant Vol Surface	1.515068	1.05	-0.0032
SE NVDA Quant Vol Surface	1.515068	1.1	-0.0057
SE NVDA Quant Vol Surface	1.515068	1.3	-0.0111
SE NVDA Quant Vol Surface	1.591781	0.7	0.0311
SE NVDA Quant Vol Surface	1.591781	0.9	0.0083
SE NVDA Quant Vol Surface	1.591781	0.95	0.0038
SE NVDA Quant Vol Surface	1.591781	0.975	0.0018
SE NVDA Quant Vol Surface	1.591781	1	0
SE NVDA Quant Vol Surface	1.591781	1.025	-0.0017
SE NVDA Quant Vol Surface	1.591781	1.05	-0.0032
SE NVDA Quant Vol Surface	1.591781	1.1	-0.0058
SE NVDA Quant Vol Surface	1.591781	1.3	-0.0109
SE NVDA Quant Vol Surface	2.010959	0.7	0.0275
SE NVDA Quant Vol Surface	2.010959	0.9	0.0071
SE NVDA Quant Vol Surface	2.010959	0.95	0.0032
SE NVDA Quant Vol Surface	2.010959	0.975	0.0015
SE NVDA Quant Vol Surface	2.010959	1	0
SE NVDA Quant Vol Surface	2.010959	1.025	-0.0014
SE NVDA Quant Vol Surface	2.010959	1.05	-0.0027
SE NVDA Quant Vol Surface	2.010959	1.1	-0.0049
SE NVDA Quant Vol Surface	2.010959	1.3	-0.0095
SE NVDA Quant Vol Surface	2.512329	0.7	0.0245
SE NVDA Quant Vol Surface	2.512329	0.9	0.0065
SE NVDA Quant Vol Surface	2.512329	0.95	0.0031

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Quant Vol Surface	2.512329	0.975	0.0015
SE NVDA Quant Vol Surface	2.512329	1	0
SE NVDA Quant Vol Surface	2.512329	1.025	-0.0014
SE NVDA Quant Vol Surface	2.512329	1.05	-0.0027
SE NVDA Quant Vol Surface	2.512329	1.1	-0.0049
SE NVDA Quant Vol Surface	2.512329	1.3	-0.0089
SE NVDA Quant Vol Surface	3.509589	0.7	0.03
SE NVDA Quant Vol Surface	3.509589	0.9	0.0079
SE NVDA Quant Vol Surface	3.509589	0.95	0.0037
SE NVDA Quant Vol Surface	3.509589	0.975	0.0018
SE NVDA Quant Vol Surface	3.509589	1	0
SE NVDA Quant Vol Surface	3.509589	1.025	-0.0017
SE NVDA Quant Vol Surface	3.509589	1.05	-0.0033
SE NVDA Quant Vol Surface	3.509589	1.1	-0.0061
SE NVDA Quant Vol Surface	3.509589	1.3	-0.013
SE NVDA Quant Vol Surface	4.526027	0.7	0.033
SE NVDA Quant Vol Surface	4.526027	0.9	0.0086
SE NVDA Quant Vol Surface	4.526027	0.95	0.0041
SE NVDA Quant Vol Surface	4.526027	0.975	0.002
SE NVDA Quant Vol Surface	4.526027	1	0
SE NVDA Quant Vol Surface	4.526027	1.025	-0.0018
SE NVDA Quant Vol Surface	4.526027	1.05	-0.0036
SE NVDA Quant Vol Surface	4.526027	1.1	-0.0068
SE NVDA Quant Vol Surface	4.526027	1.3	-0.0153
SE NVDA Quant Vol Surface	5.523288	0.7	0.0349
SE NVDA Quant Vol Surface	5.523288	0.9	0.0089
SE NVDA Quant Vol Surface	5.523288	0.95	0.0042
SE NVDA Quant Vol Surface	5.523288	0.975	0.0021
SE NVDA Quant Vol Surface	5.523288	1	0
SE NVDA Quant Vol Surface	5.523288	1.025	-0.002
SE NVDA Quant Vol Surface	5.523288	1.05	-0.0038
SE NVDA Quant Vol Surface	5.523288	1.1	-0.0072
SE NVDA Quant Vol Surface	5.523288	1.3	-0.017
SE NVDA Quant Vol Surface	6.520548	0.7	0.0362
SE NVDA Quant Vol Surface	6.520548	0.9	0.0092
SE NVDA Quant Vol Surface	6.520548	0.95	0.0043
SE NVDA Quant Vol Surface	6.520548	0.975	0.0021
SE NVDA Quant Vol Surface	6.520548	1	0
SE NVDA Quant Vol Surface	6.520548	1.025	-0.0021
SE NVDA Quant Vol Surface	6.520548	1.05	-0.004
SE NVDA Quant Vol Surface	6.520548	1.1	-0.0076

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE NVDA Quant Vol Surface	6.520548	1.3	-0.018
SE 700HK Compo Vol Surface	0	0.7	0.3716
SE 700HK Compo Vol Surface	4.624658	1.1	-0.0005
SE 700HK Compo Vol Surface	0	0.9	0.014
SE 700HK Compo Vol Surface	4.624658	1.3	0
SE 700HK Compo Vol Surface	0	0.95	-0.009
SE 700HK Compo Vol Surface	5.630137	0.7	0.0094
SE 700HK Compo Vol Surface	0	0.975	-0.0077
SE 700HK Compo Vol Surface	5.630137	0.9	0.0015
SE 700HK Compo Vol Surface	0	1	0
SE 700HK Compo Vol Surface	5.630137	0.95	0.0007
SE 700HK Compo Vol Surface	0	1.025	0.0125
SE 700HK Compo Vol Surface	5.630137	0.975	0.0003
SE 700HK Compo Vol Surface	0	1.05	0.0283
SE 700HK Compo Vol Surface	5.630137	1	0
SE 700HK Compo Vol Surface	0	1.1	0.0651
SE 700HK Compo Vol Surface	5.630137	1.025	-0.0002
SE 700HK Compo Vol Surface	0	1.3	0.2065
SE 700HK Compo Vol Surface	5.630137	1.05	-0.0004
SE 700HK Compo Vol Surface	0.038356	0.7	0.3716
SE 700HK Compo Vol Surface	5.630137	1.1	-0.0006
SE 700HK Compo Vol Surface	0.038356	0.9	0.014
SE 700HK Compo Vol Surface	5.630137	1.3	-0.0007
SE 700HK Compo Vol Surface	0.038356	0.95	-0.009
SE 700HK Compo Vol Surface	6.630137	0.7	0.0083
SE 700HK Compo Vol Surface	0.038356	0.975	-0.0077
SE 700HK Compo Vol Surface	6.630137	0.9	0.0013
SE 700HK Compo Vol Surface	0.038356	1	0
SE 700HK Compo Vol Surface	6.630137	0.95	0.0006
SE 700HK Compo Vol Surface	0.038356	1.025	0.0125
SE 700HK Compo Vol Surface	6.630137	0.975	0.0002
SE 700HK Compo Vol Surface	0.038356	1.05	0.0283
SE 700HK Compo Vol Surface	6.630137	1	0
SE 700HK Compo Vol Surface	0.038356	1.1	0.0651
SE 700HK Compo Vol Surface	6.630137	1.025	-0.0003
SE 700HK Compo Vol Surface	0.038356	1.3	0.2065
SE 700HK Compo Vol Surface	6.630137	1.05	-0.0005
SE 700HK Compo Vol Surface	0.117808	0.7	0.204
SE 700HK Compo Vol Surface	6.630137	1.1	-0.0008
SE 700HK Compo Vol Surface	0.117808	0.9	0.003
SE 700HK Compo Vol Surface	6.630137	1.3	-0.0013

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Compo Vol Surfac	0.117808	0.95	-0.0044
SE 700HK Compo Vol Surfac	7.632877	0.7	0.0077
SE 700HK Compo Vol Surfac	0.117808	0.975	-0.0033
SE 700HK Compo Vol Surfac	7.632877	0.9	0.0013
SE 700HK Compo Vol Surfac	0.117808	1	0
SE 700HK Compo Vol Surfac	7.632877	0.95	0.0006
SE 700HK Compo Vol Surfac	0.117808	1.025	0.0052
SE 700HK Compo Vol Surfac	7.632877	0.975	0.0003
SE 700HK Compo Vol Surfac	0.117808	1.05	0.0117
SE 700HK Compo Vol Surfac	7.632877	1	0
SE 700HK Compo Vol Surfac	0.117808	1.1	0.0276
SE 700HK Compo Vol Surfac	7.632877	1.025	-0.0002
SE 700HK Compo Vol Surfac	0.117808	1.3	0.1116
SE 700HK Compo Vol Surfac	7.632877	1.05	-0.0005
SE 700HK Compo Vol Surfac	0.208219	0.7	0.1313
SE 700HK Compo Vol Surfac	7.632877	1.1	-0.0008
SE 700HK Compo Vol Surfac	0.208219	0.9	-0.0016
SE 700HK Compo Vol Surfac	7.632877	1.3	-0.0016
SE 700HK Compo Vol Surfac	0.208219	0.95	-0.0045
SE 700HK Compo Vol Surfac	8.630137	0.7	0.0071
SE 700HK Compo Vol Surfac	0.208219	0.975	-0.003
SE 700HK Compo Vol Surfac	8.630137	0.9	0.0012
SE 700HK Compo Vol Surfac	0.208219	1	0
SE 700HK Compo Vol Surfac	8.630137	0.95	0.0006
SE 700HK Compo Vol Surfac	0.208219	1.025	0.0042
SE 700HK Compo Vol Surfac	8.630137	0.975	0.0003
SE 700HK Compo Vol Surfac	0.208219	1.05	0.0095
SE 700HK Compo Vol Surfac	8.630137	1	0
SE 700HK Compo Vol Surfac	0.208219	1.1	0.0224
SE 700HK Compo Vol Surfac	8.630137	1.025	-0.0003
SE 700HK Compo Vol Surfac	0.208219	1.3	0.0862
SE 700HK Compo Vol Surfac	8.630137	1.05	-0.0005
SE 700HK Compo Vol Surfac	0.287671	0.7	0.102
SE 700HK Compo Vol Surfac	8.630137	1.1	-0.001
SE 700HK Compo Vol Surfac	0.287671	0.9	-0.0012
SE 700HK Compo Vol Surfac	8.630137	1.3	-0.002
SE 700HK Compo Vol Surfac	0.287671	0.95	-0.0032
SE 700HK Compo Vol Surfac	9.627397	0.7	0.0067
SE 700HK Compo Vol Surfac	0.287671	0.975	-0.0022
SE 700HK Compo Vol Surfac	9.627397	0.9	0.0012
SE 700HK Compo Vol Surfac	0.287671	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Compo Vol Surfac	9.627397	0.95	0.0006
SE 700HK Compo Vol Surfac	0.287671	1.025	0.0031
SE 700HK Compo Vol Surfac	9.627397	0.975	0.0003
SE 700HK Compo Vol Surfac	0.287671	1.05	0.0073
SE 700HK Compo Vol Surfac	9.627397	1	0
SE 700HK Compo Vol Surfac	0.287671	1.1	0.0177
SE 700HK Compo Vol Surfac	9.627397	1.025	-0.0002
SE 700HK Compo Vol Surfac	0.287671	1.3	0.0714
SE 700HK Compo Vol Surfac	9.627397	1.05	-0.0005
SE 700HK Compo Vol Surfac	0.375342	0.7	0.0765
SE 700HK Compo Vol Surfac	9.627397	1.1	-0.001
SE 700HK Compo Vol Surfac	0.375342	0.9	-0.0019
SE 700HK Compo Vol Surfac	9.627397	1.3	-0.0022
SE 700HK Compo Vol Surfac	0.375342	0.95	-0.0029
SE 700HK Compo Vol Surfac	0.375342	0.975	-0.0019
SE 700HK Compo Vol Surfac	0.375342	1	0
SE 700HK Compo Vol Surfac	0.375342	1.025	0.0025
SE 700HK Compo Vol Surfac	0.375342	1.05	0.0057
SE 700HK Compo Vol Surfac	0.375342	1.1	0.0137
SE 700HK Compo Vol Surfac	0.375342	1.3	0.0569
SE 700HK Compo Vol Surfac	0.627397	0.7	0.0485
SE 700HK Compo Vol Surfac	0.627397	0.9	0.0025
SE 700HK Compo Vol Surfac	0.627397	0.95	0
SE 700HK Compo Vol Surfac	0.627397	0.975	-0.0002
SE 700HK Compo Vol Surfac	0.627397	1	0
SE 700HK Compo Vol Surfac	0.627397	1.025	0.0008
SE 700HK Compo Vol Surfac	0.627397	1.05	0.0021
SE 700HK Compo Vol Surfac	0.627397	1.1	0.0058
SE 700HK Compo Vol Surfac	0.627397	1.3	0.0289
SE 700HK Compo Vol Surfac	0.873973	0.7	0.0414
SE 700HK Compo Vol Surfac	0.873973	0.9	0.0043
SE 700HK Compo Vol Surfac	0.873973	0.95	0.001
SE 700HK Compo Vol Surfac	0.873973	0.975	0.0002
SE 700HK Compo Vol Surfac	0.873973	1	0
SE 700HK Compo Vol Surfac	0.873973	1.025	0.0003
SE 700HK Compo Vol Surfac	0.873973	1.05	0.0012
SE 700HK Compo Vol Surfac	0.873973	1.1	0.0041
SE 700HK Compo Vol Surfac	0.873973	1.3	0.0169
SE 700HK Compo Vol Surfac	1.627397	0.7	0.0245
SE 700HK Compo Vol Surfac	1.627397	0.9	0.0027
SE 700HK Compo Vol Surfac	1.627397	0.95	0.0008

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Compo Vol Surfac	1.627397	0.975	0.0002
SE 700HK Compo Vol Surfac	1.627397	1	0
SE 700HK Compo Vol Surfac	1.627397	1.025	0
SE 700HK Compo Vol Surfac	1.627397	1.05	0.0003
SE 700HK Compo Vol Surfac	1.627397	1.1	0.0015
SE 700HK Compo Vol Surfac	1.627397	1.3	0.0075
SE 700HK Compo Vol Surfac	2.627397	0.7	0.0166
SE 700HK Compo Vol Surfac	2.627397	0.9	0.0021
SE 700HK Compo Vol Surfac	2.627397	0.95	0.0008
SE 700HK Compo Vol Surfac	2.627397	0.975	0.0003
SE 700HK Compo Vol Surfac	2.627397	1	0
SE 700HK Compo Vol Surfac	2.627397	1.025	-0.0001
SE 700HK Compo Vol Surfac	2.627397	1.05	0
SE 700HK Compo Vol Surfac	2.627397	1.1	0.0005
SE 700HK Compo Vol Surfac	2.627397	1.3	0.0032
SE 700HK Compo Vol Surfac	3.624658	0.7	0.0129
SE 700HK Compo Vol Surfac	3.624658	0.9	0.0018
SE 700HK Compo Vol Surfac	3.624658	0.95	0.0007
SE 700HK Compo Vol Surfac	3.624658	0.975	0.0003
SE 700HK Compo Vol Surfac	3.624658	1	0
SE 700HK Compo Vol Surfac	3.624658	1.025	-0.0002
SE 700HK Compo Vol Surfac	3.624658	1.05	-0.0002
SE 700HK Compo Vol Surfac	3.624658	1.1	-0.0001
SE 700HK Compo Vol Surfac	3.624658	1.3	0.0012
SE 700HK Compo Vol Surfac	4.624658	0.7	0.0107
SE 700HK Compo Vol Surfac	4.624658	0.9	0.0015
SE 700HK Compo Vol Surfac	4.624658	0.95	0.0006
SE 700HK Compo Vol Surfac	4.624658	0.975	0.0002
SE 700HK Compo Vol Surfac	4.624658	1	0
SE 700HK Compo Vol Surfac	4.624658	1.025	-0.0002
SE 700HK Compo Vol Surfac	4.624658	1.05	-0.0004
SE 700HK Quant Vol Surfac	0	0.7	0.2091
SE 700HK Quant Vol Surfac	0.29589	0.7	0.1107
SE 700HK Quant Vol Surfac	0	0.9	0.0141
SE 700HK Quant Vol Surfac	0.29589	0.9	0.0008
SE 700HK Quant Vol Surfac	0	0.95	-0.0015
SE 700HK Quant Vol Surfac	0.29589	0.95	-0.004
SE 700HK Quant Vol Surfac	0	0.975	-0.0027
SE 700HK Quant Vol Surfac	0.29589	0.975	-0.0029
SE 700HK Quant Vol Surfac	0	1	0
SE 700HK Quant Vol Surfac	0.29589	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Quant Vol Surface	0	1.025	0.006
SE 700HK Quant Vol Surface	0.29589	1.025	0.0044
SE 700HK Quant Vol Surface	0	1.05	0.0145
SE 700HK Quant Vol Surface	0.29589	1.05	0.0099
SE 700HK Quant Vol Surface	0	1.1	0.0361
SE 700HK Quant Vol Surface	0.29589	1.1	0.0225
SE 700HK Quant Vol Surface	0	1.3	0.126
SE 700HK Quant Vol Surface	0.29589	1.3	0.0744
SE 700HK Quant Vol Surface	0.128767	0.7	0.2091
SE 700HK Quant Vol Surface	0.547945	0.7	0.0645
SE 700HK Quant Vol Surface	0.128767	0.9	0.0141
SE 700HK Quant Vol Surface	0.547945	0.9	-0.0018
SE 700HK Quant Vol Surface	0.128767	0.95	-0.0015
SE 700HK Quant Vol Surface	0.547945	0.95	-0.004
SE 700HK Quant Vol Surface	0.128767	0.975	-0.0027
SE 700HK Quant Vol Surface	0.547945	0.975	-0.0026
SE 700HK Quant Vol Surface	0.128767	1	0
SE 700HK Quant Vol Surface	0.547945	1	0
SE 700HK Quant Vol Surface	0.128767	1.025	0.006
SE 700HK Quant Vol Surface	0.547945	1.025	0.0035
SE 700HK Quant Vol Surface	0.128767	1.05	0.0145
SE 700HK Quant Vol Surface	0.547945	1.05	0.0073
SE 700HK Quant Vol Surface	0.128767	1.1	0.0361
SE 700HK Quant Vol Surface	0.547945	1.1	0.0147
SE 700HK Quant Vol Surface	0.128767	1.3	0.126
SE 700HK Quant Vol Surface	0.547945	1.3	0.0413
SE 700HK Quant Vol Surface	0.208219	0.7	0.1471
SE 700HK Quant Vol Surface	0.794521	0.7	0.0468
SE 700HK Quant Vol Surface	0.208219	0.9	0.0034
SE 700HK Quant Vol Surface	0.794521	0.9	0.0007
SE 700HK Quant Vol Surface	0.208219	0.95	-0.0041
SE 700HK Quant Vol Surface	0.794521	0.95	-0.0021
SE 700HK Quant Vol Surface	0.208219	0.975	-0.0033
SE 700HK Quant Vol Surface	0.794521	0.975	-0.0016
SE 700HK Quant Vol Surface	0.208219	1	0
SE 700HK Quant Vol Surface	0.794521	1	0
SE 700HK Quant Vol Surface	0.208219	1.025	0.0054
SE 700HK Quant Vol Surface	0.794521	1.025	0.0024
SE 700HK Quant Vol Surface	0.208219	1.05	0.0123
SE 700HK Quant Vol Surface	0.794521	1.05	0.0054
SE 700HK Quant Vol Surface	0.208219	1.1	0.0289

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Quant Vol Surface	0.794521	1.1	0.0118
SE 700HK Quant Vol Surface	0.208219	1.3	0.0944
SE 700HK Quant Vol Surface	0.794521	1.3	0.0322
SE 700HK Quant Vol Surface	1.043836	0.7	0.0358
SE 700HK Quant Vol Surface	1.043836	0.9	0.0024
SE 700HK Quant Vol Surface	1.043836	0.95	-0.0012
SE 700HK Quant Vol Surface	1.043836	0.975	-0.0011
SE 700HK Quant Vol Surface	1.043836	1	0
SE 700HK Quant Vol Surface	1.043836	1.025	0.0021
SE 700HK Quant Vol Surface	1.043836	1.05	0.0049
SE 700HK Quant Vol Surface	1.043836	1.1	0.011
SE 700HK Quant Vol Surface	1.043836	1.3	0.026
SE 700HK Quant Vol Surface	1.547945	0.7	0.0255
SE 700HK Quant Vol Surface	1.547945	0.9	0.0019
SE 700HK Quant Vol Surface	1.547945	0.95	-0.0006
SE 700HK Quant Vol Surface	1.547945	0.975	-0.0007
SE 700HK Quant Vol Surface	1.547945	1	0
SE 700HK Quant Vol Surface	1.547945	1.025	0.0012
SE 700HK Quant Vol Surface	1.547945	1.05	0.0029
SE 700HK Quant Vol Surface	1.547945	1.1	0.0068
SE 700HK Quant Vol Surface	1.547945	1.3	0.0165
SE 700HK Quant Vol Surface	2.547945	0.7	0.0169
SE 700HK Quant Vol Surface	2.547945	0.9	0.0016
SE 700HK Quant Vol Surface	2.547945	0.95	-0.0001
SE 700HK Quant Vol Surface	2.547945	0.975	-0.0003
SE 700HK Quant Vol Surface	2.547945	1	0
SE 700HK Quant Vol Surface	2.547945	1.025	0.0006
SE 700HK Quant Vol Surface	2.547945	1.05	0.0015
SE 700HK Quant Vol Surface	2.547945	1.1	0.0034
SE 700HK Quant Vol Surface	2.547945	1.3	0.0085
SE 700HK Quant Vol Surface	3.545205	0.7	0.013
SE 700HK Quant Vol Surface	3.545205	0.9	0.0014
SE 700HK Quant Vol Surface	3.545205	0.95	0.0001
SE 700HK Quant Vol Surface	3.545205	0.975	-0.0001
SE 700HK Quant Vol Surface	3.545205	1	0
SE 700HK Quant Vol Surface	3.545205	1.025	0.0003
SE 700HK Quant Vol Surface	3.545205	1.05	0.0008
SE 700HK Quant Vol Surface	3.545205	1.1	0.002
SE 700HK Quant Vol Surface	3.545205	1.3	0.0049
SE 700HK Quant Vol Surface	4.545205	0.7	0.0108
SE 700HK Quant Vol Surface	4.545205	0.9	0.0013

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Quant Vol Surface	4.545205	0.95	0.0002
SE 700HK Quant Vol Surface	4.545205	0.975	0
SE 700HK Quant Vol Surface	4.545205	1	0
SE 700HK Quant Vol Surface	4.545205	1.025	0.0001
SE 700HK Quant Vol Surface	4.545205	1.05	0.0004
SE 700HK Quant Vol Surface	4.545205	1.1	0.001
SE 700HK Quant Vol Surface	4.545205	1.3	0.0028
SE 700HK Quant Vol Surface	5.550685	0.7	0.0093
SE 700HK Quant Vol Surface	5.550685	0.9	0.0012
SE 700HK Quant Vol Surface	5.550685	0.95	0.0003
SE 700HK Quant Vol Surface	5.550685	0.975	0
SE 700HK Quant Vol Surface	5.550685	1	0
SE 700HK Quant Vol Surface	5.550685	1.025	0
SE 700HK Quant Vol Surface	5.550685	1.05	0.0001
SE 700HK Quant Vol Surface	5.550685	1.1	0.0005
SE 700HK Quant Vol Surface	5.550685	1.3	0.0015
SE 700HK Quant Vol Surface	6.550685	0.7	0.0084
SE 700HK Quant Vol Surface	6.550685	0.9	0.0012
SE 700HK Quant Vol Surface	6.550685	0.95	0.0003
SE 700HK Quant Vol Surface	6.550685	0.975	0.0001
SE 700HK Quant Vol Surface	6.550685	1	0
SE 700HK Quant Vol Surface	6.550685	1.025	0
SE 700HK Quant Vol Surface	6.550685	1.05	0
SE 700HK Quant Vol Surface	6.550685	1.1	0.0001
SE 700HK Quant Vol Surface	6.550685	1.3	0.0006
SE 700HK Quant Vol Surface	7.553425	0.7	0.0077
SE 700HK Quant Vol Surface	7.553425	0.9	0.0012
SE 700HK Quant Vol Surface	7.553425	0.95	0.0004
SE 700HK Quant Vol Surface	7.553425	0.975	0.0002
SE 700HK Quant Vol Surface	7.553425	1	0
SE 700HK Quant Vol Surface	7.553425	1.025	0
SE 700HK Quant Vol Surface	7.553425	1.05	-0.0001
SE 700HK Quant Vol Surface	7.553425	1.1	-0.0001
SE 700HK Quant Vol Surface	7.553425	1.3	0
SE 700HK Quant Vol Surface	8.550685	0.7	0.0071
SE 700HK Quant Vol Surface	8.550685	0.9	0.0012
SE 700HK Quant Vol Surface	8.550685	0.95	0.0004
SE 700HK Quant Vol Surface	8.550685	0.975	0.0002
SE 700HK Quant Vol Surface	8.550685	1	0
SE 700HK Quant Vol Surface	8.550685	1.025	-0.0001
SE 700HK Quant Vol Surface	8.550685	1.05	-0.0002

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE 700HK Quant Vol Surface	8.550685	1.1	-0.0003
SE 700HK Quant Vol Surface	8.550685	1.3	-0.0006
SE 700HK Quant Vol Surface	9.547945	0.7	0.0066
SE 700HK Quant Vol Surface	9.547945	0.9	0.0011
SE 700HK Quant Vol Surface	9.547945	0.95	0.0004
SE 700HK Quant Vol Surface	9.547945	0.975	0.0002
SE 700HK Quant Vol Surface	9.547945	1	0
SE 700HK Quant Vol Surface	9.547945	1.025	-0.0002
SE 700HK Quant Vol Surface	9.547945	1.05	-0.0003
SE 700HK Quant Vol Surface	9.547945	1.1	-0.0005
SE 700HK Quant Vol Surface	9.547945	1.3	-0.001
SE 700HK Quant Vol Surface	10.547945	0.7	0.0063
SE 700HK Quant Vol Surface	10.547945	0.9	0.0012
SE 700HK Quant Vol Surface	10.547945	0.95	0.0005
SE 700HK Quant Vol Surface	10.547945	0.975	0.0003
SE 700HK Quant Vol Surface	10.547945	1	0
SE 700HK Quant Vol Surface	10.547945	1.025	-0.0001
SE 700HK Quant Vol Surface	10.547945	1.05	-0.0003
SE 700HK Quant Vol Surface	10.547945	1.1	-0.0006
SE 700HK Quant Vol Surface	10.547945	1.3	-0.0013
SE GOOG Compo Vol Surface	0	0.7	0.8999
SE GOOG Compo Vol Surface	0	0.9	0.2231
SE GOOG Compo Vol Surface	0	0.95	0.0457
SE GOOG Compo Vol Surface	0	0.975	0.0035
SE GOOG Compo Vol Surface	0	1	0
SE GOOG Compo Vol Surface	0	1.025	0.0276
SE GOOG Compo Vol Surface	0	1.05	0.0746
SE GOOG Compo Vol Surface	0	1.1	0.1913
SE GOOG Compo Vol Surface	0	1.3	0.5115
SE GOOG Compo Vol Surface	0.00274	0.7	0.8999
SE GOOG Compo Vol Surface	0.00274	0.9	0.2231
SE GOOG Compo Vol Surface	0.00274	0.95	0.0457
SE GOOG Compo Vol Surface	0.00274	0.975	0.0035
SE GOOG Compo Vol Surface	0.00274	1	0
SE GOOG Compo Vol Surface	0.00274	1.025	0.0276
SE GOOG Compo Vol Surface	0.00274	1.05	0.0746
SE GOOG Compo Vol Surface	0.00274	1.1	0.1913
SE GOOG Compo Vol Surface	0.00274	1.3	0.5115
SE GOOG Compo Vol Surface	0.09863	0.7	0.2409
SE GOOG Compo Vol Surface	0.09863	0.9	0.0328
SE GOOG Compo Vol Surface	0.09863	0.95	0.0103

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Compo Vol Surfac	0.09863	0.975	0.0037
SE GOOG Compo Vol Surfac	0.09863	1	0
SE GOOG Compo Vol Surfac	0.09863	1.025	-0.001
SE GOOG Compo Vol Surfac	0.09863	1.05	0.0006
SE GOOG Compo Vol Surfac	0.09863	1.1	0.0112
SE GOOG Compo Vol Surfac	0.09863	1.3	0.1077
SE GOOG Compo Vol Surfac	0.175342	0.7	0.1635
SE GOOG Compo Vol Surfac	0.175342	0.9	0.0239
SE GOOG Compo Vol Surfac	0.175342	0.95	0.0089
SE GOOG Compo Vol Surfac	0.175342	0.975	0.0037
SE GOOG Compo Vol Surfac	0.175342	1	0
SE GOOG Compo Vol Surfac	0.175342	1.025	-0.0022
SE GOOG Compo Vol Surfac	0.175342	1.05	-0.003
SE GOOG Compo Vol Surfac	0.175342	1.1	0.0001
SE GOOG Compo Vol Surfac	0.175342	1.3	0.0636
SE GOOG Compo Vol Surfac	0.252055	0.7	0.119
SE GOOG Compo Vol Surfac	0.252055	0.9	0.0197
SE GOOG Compo Vol Surfac	0.252055	0.95	0.0077
SE GOOG Compo Vol Surfac	0.252055	0.975	0.0034
SE GOOG Compo Vol Surfac	0.252055	1	0
SE GOOG Compo Vol Surfac	0.252055	1.025	-0.0025
SE GOOG Compo Vol Surfac	0.252055	1.05	-0.0041
SE GOOG Compo Vol Surfac	0.252055	1.1	-0.0049
SE GOOG Compo Vol Surfac	0.252055	1.3	0.0233
SE GOOG Compo Vol Surfac	0.347945	0.7	0.0978
SE GOOG Compo Vol Surfac	0.347945	0.9	0.0176
SE GOOG Compo Vol Surfac	0.347945	0.95	0.0073
SE GOOG Compo Vol Surfac	0.347945	0.975	0.0033
SE GOOG Compo Vol Surfac	0.347945	1	0
SE GOOG Compo Vol Surfac	0.347945	1.025	-0.0028
SE GOOG Compo Vol Surfac	0.347945	1.05	-0.0048
SE GOOG Compo Vol Surfac	0.347945	1.1	-0.0073
SE GOOG Compo Vol Surfac	0.347945	1.3	0.0063
SE GOOG Compo Vol Surfac	0.59726	0.7	0.0658
SE GOOG Compo Vol Surfac	0.59726	0.9	0.0135
SE GOOG Compo Vol Surfac	0.59726	0.95	0.0059
SE GOOG Compo Vol Surfac	0.59726	0.975	0.0028
SE GOOG Compo Vol Surfac	0.59726	1	0
SE GOOG Compo Vol Surfac	0.59726	1.025	-0.0025
SE GOOG Compo Vol Surfac	0.59726	1.05	-0.0047
SE GOOG Compo Vol Surfac	0.59726	1.1	-0.008

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Compo Vol Surfac	0.59726	1.3	-0.008
SE GOOG Compo Vol Surfac	0.673973	0.7	0.0615
SE GOOG Compo Vol Surfac	0.673973	0.9	0.0128
SE GOOG Compo Vol Surfac	0.673973	0.95	0.0057
SE GOOG Compo Vol Surfac	0.673973	0.975	0.0027
SE GOOG Compo Vol Surfac	0.673973	1	0
SE GOOG Compo Vol Surfac	0.673973	1.025	-0.0023
SE GOOG Compo Vol Surfac	0.673973	1.05	-0.0044
SE GOOG Compo Vol Surfac	0.673973	1.1	-0.0075
SE GOOG Compo Vol Surfac	0.673973	1.3	-0.009
SE GOOG Compo Vol Surfac	0.846575	0.7	0.0521
SE GOOG Compo Vol Surfac	0.846575	0.9	0.0113
SE GOOG Compo Vol Surfac	0.846575	0.95	0.0051
SE GOOG Compo Vol Surfac	0.846575	0.975	0.0024
SE GOOG Compo Vol Surfac	0.846575	1	0
SE GOOG Compo Vol Surfac	0.846575	1.025	-0.0021
SE GOOG Compo Vol Surfac	0.846575	1.05	-0.004
SE GOOG Compo Vol Surfac	0.846575	1.1	-0.007
SE GOOG Compo Vol Surfac	0.846575	1.3	-0.0112
SE GOOG Compo Vol Surfac	1.093151	0.7	0.0444
SE GOOG Compo Vol Surfac	1.093151	0.9	0.0097
SE GOOG Compo Vol Surfac	1.093151	0.95	0.0044
SE GOOG Compo Vol Surfac	1.093151	0.975	0.0021
SE GOOG Compo Vol Surfac	1.093151	1	0
SE GOOG Compo Vol Surfac	1.093151	1.025	-0.0019
SE GOOG Compo Vol Surfac	1.093151	1.05	-0.0037
SE GOOG Compo Vol Surfac	1.093151	1.1	-0.0068
SE GOOG Compo Vol Surfac	1.093151	1.3	-0.0135
SE GOOG Compo Vol Surfac	1.342466	0.7	0
SE GOOG Compo Vol Surfac	1.342466	0.9	0
SE GOOG Compo Vol Surfac	1.342466	0.95	0
SE GOOG Compo Vol Surfac	1.342466	0.975	0
SE GOOG Compo Vol Surfac	1.342466	1	0
SE GOOG Compo Vol Surfac	1.342466	1.025	0
SE GOOG Compo Vol Surfac	1.342466	1.05	0
SE GOOG Compo Vol Surfac	1.342466	1.1	0
SE GOOG Compo Vol Surfac	1.342466	1.3	0
SE GOOG Compo Vol Surfac	1.591781	0.7	0
SE GOOG Compo Vol Surfac	1.591781	0.9	0
SE GOOG Compo Vol Surfac	1.591781	0.95	0
SE GOOG Compo Vol Surfac	1.591781	0.975	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Compo Vol Surfac	1.591781	1	0
SE GOOG Compo Vol Surfac	1.591781	1.025	0
SE GOOG Compo Vol Surfac	1.591781	1.05	0
SE GOOG Compo Vol Surfac	1.591781	1.1	0
SE GOOG Compo Vol Surfac	1.591781	1.3	0
SE GOOG Compo Vol Surfac	1.841096	0.7	0
SE GOOG Compo Vol Surfac	1.841096	0.9	0
SE GOOG Compo Vol Surfac	1.841096	0.95	0
SE GOOG Compo Vol Surfac	1.841096	0.975	0
SE GOOG Compo Vol Surfac	1.841096	1	0
SE GOOG Compo Vol Surfac	1.841096	1.025	0
SE GOOG Compo Vol Surfac	1.841096	1.05	0
SE GOOG Compo Vol Surfac	1.841096	1.1	0
SE GOOG Compo Vol Surfac	1.841096	1.3	0
SE GOOG Compo Vol Surfac	2.090411	0.7	0.0295
SE GOOG Compo Vol Surfac	2.090411	0.9	0.0108
SE GOOG Compo Vol Surfac	2.090411	0.95	0.0051
SE GOOG Compo Vol Surfac	2.090411	0.975	0.0023
SE GOOG Compo Vol Surfac	2.090411	1	0
SE GOOG Compo Vol Surfac	2.090411	1.025	-0.002
SE GOOG Compo Vol Surfac	2.090411	1.05	-0.0036
SE GOOG Compo Vol Surfac	2.090411	1.1	-0.0055
SE GOOG Compo Vol Surfac	2.090411	1.3	-0.0134
SE GOOG Compo Vol Surfac	2.339726	0.7	0
SE GOOG Compo Vol Surfac	2.339726	0.9	0
SE GOOG Compo Vol Surfac	2.339726	0.95	0
SE GOOG Compo Vol Surfac	2.339726	0.975	0
SE GOOG Compo Vol Surfac	2.339726	1	0
SE GOOG Compo Vol Surfac	2.339726	1.025	0
SE GOOG Compo Vol Surfac	2.339726	1.05	0
SE GOOG Compo Vol Surfac	2.339726	1.1	0
SE GOOG Compo Vol Surfac	2.339726	1.3	0
SE GOOG Compo Vol Surfac	2.586301	0.7	0
SE GOOG Compo Vol Surfac	2.586301	0.9	0
SE GOOG Compo Vol Surfac	2.586301	0.95	0
SE GOOG Compo Vol Surfac	2.586301	0.975	0
SE GOOG Compo Vol Surfac	2.586301	1	0
SE GOOG Compo Vol Surfac	2.586301	1.025	0
SE GOOG Compo Vol Surfac	2.586301	1.05	0
SE GOOG Compo Vol Surfac	2.586301	1.1	0
SE GOOG Compo Vol Surfac	2.586301	1.3	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Compo Vol Surface	2.838356	0.7	0
SE GOOG Compo Vol Surface	2.838356	0.9	0
SE GOOG Compo Vol Surface	2.838356	0.95	0
SE GOOG Compo Vol Surface	2.838356	0.975	0
SE GOOG Compo Vol Surface	2.838356	1	0
SE GOOG Compo Vol Surface	2.838356	1.025	0
SE GOOG Compo Vol Surface	2.838356	1.05	0
SE GOOG Compo Vol Surface	2.838356	1.1	0
SE GOOG Compo Vol Surface	2.838356	1.3	0
SE GOOG Quant Vol Surface	0	0.7	0.264
SE GOOG Quant Vol Surface	2.010959	0.95	0.005
SE GOOG Quant Vol Surface	0	0.9	0.0514
SE GOOG Quant Vol Surface	2.010959	0.975	0.0024
SE GOOG Quant Vol Surface	0	0.95	0.0195
SE GOOG Quant Vol Surface	2.010959	1	0
SE GOOG Quant Vol Surface	0	0.975	0.0081
SE GOOG Quant Vol Surface	2.010959	1.025	-0.0023
SE GOOG Quant Vol Surface	0	1	0
SE GOOG Quant Vol Surface	2.010959	1.05	-0.0044
SE GOOG Quant Vol Surface	0	1.025	-0.005
SE GOOG Quant Vol Surface	2.010959	1.1	-0.008
SE GOOG Quant Vol Surface	0	1.05	-0.0066
SE GOOG Quant Vol Surface	2.010959	1.3	-0.0157
SE GOOG Quant Vol Surface	0	1.1	-0.0002
SE GOOG Quant Vol Surface	2.512329	0.7	0.0347
SE GOOG Quant Vol Surface	0	1.3	0.1027
SE GOOG Quant Vol Surface	2.512329	0.9	0.0089
SE GOOG Quant Vol Surface	0.09589	0.7	0.264
SE GOOG Quant Vol Surface	2.512329	0.95	0.0042
SE GOOG Quant Vol Surface	0.09589	0.9	0.0514
SE GOOG Quant Vol Surface	2.512329	0.975	0.002
SE GOOG Quant Vol Surface	0.09589	0.95	0.0195
SE GOOG Quant Vol Surface	2.512329	1	0
SE GOOG Quant Vol Surface	0.09589	0.975	0.0081
SE GOOG Quant Vol Surface	2.512329	1.025	-0.0019
SE GOOG Quant Vol Surface	0.09589	1	0
SE GOOG Quant Vol Surface	2.512329	1.05	-0.0038
SE GOOG Quant Vol Surface	0.09589	1.025	-0.005
SE GOOG Quant Vol Surface	2.512329	1.1	-0.0071
SE GOOG Quant Vol Surface	0.09589	1.05	-0.0066
SE GOOG Quant Vol Surface	2.512329	1.3	-0.0152

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Quant Vol Surface	0.09589	1.1	-0.0002
SE GOOG Quant Vol Surface	3.509589	0.7	0.0362
SE GOOG Quant Vol Surface	0.09589	1.3	0.1027
SE GOOG Quant Vol Surface	3.509589	0.9	0.0093
SE GOOG Quant Vol Surface	0.172603	0.7	0.1569
SE GOOG Quant Vol Surface	3.509589	0.95	0.0044
SE GOOG Quant Vol Surface	0.172603	0.9	0.0298
SE GOOG Quant Vol Surface	3.509589	0.975	0.0022
SE GOOG Quant Vol Surface	0.172603	0.95	0.0124
SE GOOG Quant Vol Surface	3.509589	1	0
SE GOOG Quant Vol Surface	0.172603	0.975	0.0056
SE GOOG Quant Vol Surface	3.509589	1.025	-0.002
SE GOOG Quant Vol Surface	0.172603	1	0
SE GOOG Quant Vol Surface	3.509589	1.05	-0.0039
SE GOOG Quant Vol Surface	0.172603	1.025	-0.0044
SE GOOG Quant Vol Surface	3.509589	1.1	-0.0075
SE GOOG Quant Vol Surface	0.172603	1.05	-0.0075
SE GOOG Quant Vol Surface	3.509589	1.3	-0.0171
SE GOOG Quant Vol Surface	0.172603	1.1	-0.01
SE GOOG Quant Vol Surface	4.526027	0.7	0.0371
SE GOOG Quant Vol Surface	0.172603	1.3	0.0298
SE GOOG Quant Vol Surface	4.526027	0.9	0.0094
SE GOOG Quant Vol Surface	0.268493	0.7	0.1223
SE GOOG Quant Vol Surface	4.526027	0.95	0.0044
SE GOOG Quant Vol Surface	0.268493	0.9	0.0247
SE GOOG Quant Vol Surface	4.526027	0.975	0.0021
SE GOOG Quant Vol Surface	0.268493	0.95	0.0107
SE GOOG Quant Vol Surface	4.526027	1	0
SE GOOG Quant Vol Surface	0.268493	0.975	0.005
SE GOOG Quant Vol Surface	4.526027	1.025	-0.0021
SE GOOG Quant Vol Surface	0.268493	1	0
SE GOOG Quant Vol Surface	4.526027	1.05	-0.0041
SE GOOG Quant Vol Surface	0.268493	1.025	-0.0041
SE GOOG Quant Vol Surface	4.526027	1.1	-0.0077
SE GOOG Quant Vol Surface	0.268493	1.05	-0.0075
SE GOOG Quant Vol Surface	4.526027	1.3	-0.0181
SE GOOG Quant Vol Surface	0.268493	1.1	-0.0119
SE GOOG Quant Vol Surface	5.523288	0.7	0.0377
SE GOOG Quant Vol Surface	0.268493	1.3	0.0043
SE GOOG Quant Vol Surface	5.523288	0.9	0.0095
SE GOOG Quant Vol Surface	0.517808	0.7	0.0819

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Quant Vol Surface	5.523288	0.95	0.0045
SE GOOG Quant Vol Surface	0.517808	0.9	0.0188
SE GOOG Quant Vol Surface	5.523288	0.975	0.0022
SE GOOG Quant Vol Surface	0.517808	0.95	0.0084
SE GOOG Quant Vol Surface	5.523288	1	0
SE GOOG Quant Vol Surface	0.517808	0.975	0.004
SE GOOG Quant Vol Surface	5.523288	1.025	-0.0021
SE GOOG Quant Vol Surface	0.517808	1	0
SE GOOG Quant Vol Surface	5.523288	1.05	-0.0042
SE GOOG Quant Vol Surface	0.517808	1.025	-0.0034
SE GOOG Quant Vol Surface	5.523288	1.1	-0.0079
SE GOOG Quant Vol Surface	0.517808	1.05	-0.0065
SE GOOG Quant Vol Surface	5.523288	1.3	-0.0188
SE GOOG Quant Vol Surface	0.517808	1.1	-0.0113
SE GOOG Quant Vol Surface	6.520548	0.7	0.0381
SE GOOG Quant Vol Surface	0.517808	1.3	-0.015
SE GOOG Quant Vol Surface	6.520548	0.9	0.0097
SE GOOG Quant Vol Surface	0.594521	0.7	0.0748
SE GOOG Quant Vol Surface	6.520548	0.95	0.0046
SE GOOG Quant Vol Surface	0.594521	0.9	0.017
SE GOOG Quant Vol Surface	6.520548	0.975	0.0023
SE GOOG Quant Vol Surface	0.594521	0.95	0.0077
SE GOOG Quant Vol Surface	6.520548	1	0
SE GOOG Quant Vol Surface	0.594521	0.975	0.0036
SE GOOG Quant Vol Surface	6.520548	1.025	-0.0021
SE GOOG Quant Vol Surface	0.594521	1	0
SE GOOG Quant Vol Surface	6.520548	1.05	-0.0041
SE GOOG Quant Vol Surface	0.594521	1.025	-0.0033
SE GOOG Quant Vol Surface	6.520548	1.1	-0.0079
SE GOOG Quant Vol Surface	0.594521	1.05	-0.0063
SE GOOG Quant Vol Surface	6.520548	1.3	-0.0191
SE GOOG Quant Vol Surface	0.594521	1.1	-0.0112
SE GOOG Quant Vol Surface	0.594521	1.3	-0.0168
SE GOOG Quant Vol Surface	0.767123	0.7	0.064
SE GOOG Quant Vol Surface	0.767123	0.9	0.0147
SE GOOG Quant Vol Surface	0.767123	0.95	0.0068
SE GOOG Quant Vol Surface	0.767123	0.975	0.0032
SE GOOG Quant Vol Surface	0.767123	1	0
SE GOOG Quant Vol Surface	0.767123	1.025	-0.0031
SE GOOG Quant Vol Surface	0.767123	1.05	-0.0058
SE GOOG Quant Vol Surface	0.767123	1.1	-0.0106

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE GOOG Quant Vol Surface	0.767123	1.3	-0.0174
SE GOOG Quant Vol Surface	1.013699	0.7	0.0565
SE GOOG Quant Vol Surface	1.013699	0.9	0.0143
SE GOOG Quant Vol Surface	1.013699	0.95	0.0065
SE GOOG Quant Vol Surface	1.013699	0.975	0.0031
SE GOOG Quant Vol Surface	1.013699	1	0
SE GOOG Quant Vol Surface	1.013699	1.025	-0.0029
SE GOOG Quant Vol Surface	1.013699	1.05	-0.0055
SE GOOG Quant Vol Surface	1.013699	1.1	-0.01
SE GOOG Quant Vol Surface	1.013699	1.3	-0.0183
SE GOOG Quant Vol Surface	1.265753	0.7	0.0475
SE GOOG Quant Vol Surface	1.265753	0.9	0.0116
SE GOOG Quant Vol Surface	1.265753	0.95	0.0054
SE GOOG Quant Vol Surface	1.265753	0.975	0.0026
SE GOOG Quant Vol Surface	1.265753	1	0
SE GOOG Quant Vol Surface	1.265753	1.025	-0.0025
SE GOOG Quant Vol Surface	1.265753	1.05	-0.0048
SE GOOG Quant Vol Surface	1.265753	1.1	-0.0091
SE GOOG Quant Vol Surface	1.265753	1.3	-0.0185
SE GOOG Quant Vol Surface	1.515068	0.7	0.0437
SE GOOG Quant Vol Surface	1.515068	0.9	0.0109
SE GOOG Quant Vol Surface	1.515068	0.95	0.0051
SE GOOG Quant Vol Surface	1.515068	0.975	0.0024
SE GOOG Quant Vol Surface	1.515068	1	0
SE GOOG Quant Vol Surface	1.515068	1.025	-0.0023
SE GOOG Quant Vol Surface	1.515068	1.05	-0.0045
SE GOOG Quant Vol Surface	1.515068	1.1	-0.0082
SE GOOG Quant Vol Surface	1.515068	1.3	-0.0155
SE GOOG Quant Vol Surface	1.591781	0.7	0.0436
SE GOOG Quant Vol Surface	1.591781	0.9	0.0108
SE GOOG Quant Vol Surface	1.591781	0.95	0.0049
SE GOOG Quant Vol Surface	1.591781	0.975	0.0023
SE GOOG Quant Vol Surface	1.591781	1	0
SE GOOG Quant Vol Surface	1.591781	1.025	-0.0022
SE GOOG Quant Vol Surface	1.591781	1.05	-0.0041
SE GOOG Quant Vol Surface	1.591781	1.1	-0.0075
SE GOOG Quant Vol Surface	1.591781	1.3	-0.015
SE GOOG Quant Vol Surface	2.010959	0.7	0.0379
SE GOOG Quant Vol Surface	2.010959	0.9	0.0106
E MXWO Compo Vol Surfac	0.09863	1	0
E MXWO Compo Vol Surfac	0.09863	1.025	-0.0207

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

E MXWO Compo Vol Surfac	0.09863	1.05	-0.023
E MXWO Compo Vol Surfac	0.09863	1.1	-0.0131
E MXWO Compo Vol Surfac	0.09863	1.3	0.0003
E MXWO Compo Vol Surfac	0.175342	0.7	0.2296
E MXWO Compo Vol Surfac	0.175342	0.9	0.0614
E MXWO Compo Vol Surfac	0.175342	0.95	0.0313
E MXWO Compo Vol Surfac	0.175342	0.975	0.0165
E MXWO Compo Vol Surfac	0.175342	1	0
E MXWO Compo Vol Surfac	0.175342	1.025	-0.0166
E MXWO Compo Vol Surfac	0.175342	1.05	-0.0267
E MXWO Compo Vol Surfac	0.175342	1.1	-0.0256
E MXWO Compo Vol Surfac	0.175342	1.3	-0.0119
E MXWO Compo Vol Surfac	0.252055	0.7	0.1976
E MXWO Compo Vol Surfac	0.252055	0.9	0.0531
E MXWO Compo Vol Surfac	0.252055	0.95	0.0274
E MXWO Compo Vol Surfac	0.252055	0.975	0.0143
E MXWO Compo Vol Surfac	0.252055	1	0
E MXWO Compo Vol Surfac	0.252055	1.025	-0.015
E MXWO Compo Vol Surfac	0.252055	1.05	-0.0269
E MXWO Compo Vol Surfac	0.252055	1.1	-0.0327
E MXWO Compo Vol Surfac	0.252055	1.3	-0.0185
E MXWO Compo Vol Surfac	0.347945	0.7	0.1773
E MXWO Compo Vol Surfac	0.347945	0.9	0.0488
E MXWO Compo Vol Surfac	0.347945	0.95	0.0255
E MXWO Compo Vol Surfac	0.347945	0.975	0.0132
E MXWO Compo Vol Surfac	0.347945	1	0
E MXWO Compo Vol Surfac	0.347945	1.025	-0.014
E MXWO Compo Vol Surfac	0.347945	1.05	-0.0269
E MXWO Compo Vol Surfac	0.347945	1.1	-0.0372
E MXWO Compo Vol Surfac	0.347945	1.3	-0.0227
E MXWO Compo Vol Surfac	0.59726	0.7	0.1242
E MXWO Compo Vol Surfac	0.59726	0.9	0.0388
E MXWO Compo Vol Surfac	0.59726	0.95	0.0207
E MXWO Compo Vol Surfac	0.59726	0.975	0.0108
E MXWO Compo Vol Surfac	0.59726	1	0
E MXWO Compo Vol Surfac	0.59726	1.025	-0.0117
E MXWO Compo Vol Surfac	0.59726	1.05	-0.0234
E MXWO Compo Vol Surfac	0.59726	1.1	-0.0388
E MXWO Compo Vol Surfac	0.59726	1.3	-0.0264
E MXWO Compo Vol Surfac	0.673973	0.7	0.1129
E MXWO Compo Vol Surfac	0.673973	0.9	0.0358

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

E MXWO Compo Vol Surfac	0.673973	0.95	0.0191
E MXWO Compo Vol Surfac	0.673973	0.975	0.0099
E MXWO Compo Vol Surfac	0.673973	1	0
E MXWO Compo Vol Surfac	0.673973	1.025	-0.0107
E MXWO Compo Vol Surfac	0.673973	1.05	-0.0216
E MXWO Compo Vol Surfac	0.673973	1.1	-0.0378
E MXWO Compo Vol Surfac	0.673973	1.3	-0.0305
E MXWO Compo Vol Surfac	0.846575	0.7	0.0936
E MXWO Compo Vol Surfac	0.846575	0.9	0.0305
E MXWO Compo Vol Surfac	0.846575	0.95	0.0162
E MXWO Compo Vol Surfac	0.846575	0.975	0.0083
E MXWO Compo Vol Surfac	0.846575	1	0
E MXWO Compo Vol Surfac	0.846575	1.025	-0.009
E MXWO Compo Vol Surfac	0.846575	1.05	-0.0185
E MXWO Compo Vol Surfac	0.846575	1.1	-0.036
E MXWO Compo Vol Surfac	0.846575	1.3	-0.038
E MXWO Compo Vol Surfac	1.093151	0.7	0.0822
E MXWO Compo Vol Surfac	1.093151	0.9	0.0275
E MXWO Compo Vol Surfac	1.093151	0.95	0.0145
E MXWO Compo Vol Surfac	1.093151	0.975	0.0074
E MXWO Compo Vol Surfac	1.093151	1	0
E MXWO Compo Vol Surfac	1.093151	1.025	-0.0081
E MXWO Compo Vol Surfac	1.093151	1.05	-0.0164
E MXWO Compo Vol Surfac	1.093151	1.1	-0.033
E MXWO Compo Vol Surfac	1.093151	1.3	-0.0425
E MXWO Compo Vol Surfac	1.342466	0.7	0
E MXWO Compo Vol Surfac	1.342466	0.9	0
E MXWO Compo Vol Surfac	1.342466	0.95	0
E MXWO Compo Vol Surfac	1.342466	0.975	0
E MXWO Compo Vol Surfac	1.342466	1	0
E MXWO Compo Vol Surfac	1.342466	1.025	0
E MXWO Compo Vol Surfac	1.342466	1.05	0
E MXWO Compo Vol Surfac	1.342466	1.1	0
E MXWO Compo Vol Surfac	1.342466	1.3	0
E MXWO Compo Vol Surfac	1.591781	0.7	0
E MXWO Compo Vol Surfac	1.591781	0.9	0
E MXWO Compo Vol Surfac	1.591781	0.95	0
E MXWO Compo Vol Surfac	1.591781	0.975	0
E MXWO Compo Vol Surfac	1.591781	1	0
E MXWO Compo Vol Surfac	1.591781	1.025	0
E MXWO Compo Vol Surfac	1.591781	1.05	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

E MXWO Compo Vol Surfac	1.591781	1.1	0
E MXWO Compo Vol Surfac	1.591781	1.3	0
E MXWO Compo Vol Surfac	1.841096	0.7	0
E MXWO Compo Vol Surfac	1.841096	0.9	0
E MXWO Compo Vol Surfac	1.841096	0.95	0
E MXWO Compo Vol Surfac	1.841096	0.975	0
E MXWO Compo Vol Surfac	1.841096	1	0
E MXWO Compo Vol Surfac	1.841096	1.025	0
E MXWO Compo Vol Surfac	1.841096	1.05	0
E MXWO Compo Vol Surfac	1.841096	1.1	0
E MXWO Compo Vol Surfac	1.841096	1.3	0
E MXWO Compo Vol Surfac	2.090411	0.7	0.0566
E MXWO Compo Vol Surfac	2.090411	0.9	0.0199
E MXWO Compo Vol Surfac	2.090411	0.95	0.0104
E MXWO Compo Vol Surfac	2.090411	0.975	0.0053
E MXWO Compo Vol Surfac	2.090411	1	0
E MXWO Compo Vol Surfac	2.090411	1.025	-0.0058
E MXWO Compo Vol Surfac	2.090411	1.05	-0.0116
E MXWO Compo Vol Surfac	2.090411	1.1	-0.024
E MXWO Compo Vol Surfac	2.090411	1.3	-0.0507
E MXWO Compo Vol Surfac	2.339726	0.7	0
E MXWO Compo Vol Surfac	2.339726	0.9	0
E MXWO Compo Vol Surfac	2.339726	0.95	0
E MXWO Compo Vol Surfac	2.339726	0.975	0
E MXWO Compo Vol Surfac	2.339726	1	0
E MXWO Compo Vol Surfac	2.339726	1.025	0
E MXWO Compo Vol Surfac	2.339726	1.05	0
E MXWO Compo Vol Surfac	2.339726	1.1	0
E MXWO Compo Vol Surfac	2.339726	1.3	0
E MXWO Compo Vol Surfac	2.586301	0.7	0
E MXWO Compo Vol Surfac	2.586301	0.9	0
E MXWO Compo Vol Surfac	2.586301	0.95	0
E MXWO Compo Vol Surfac	2.586301	0.975	0
E MXWO Compo Vol Surfac	2.586301	1	0
E MXWO Compo Vol Surfac	2.586301	1.025	0
E MXWO Compo Vol Surfac	2.586301	1.05	0
E MXWO Compo Vol Surfac	2.586301	1.1	0
E MXWO Compo Vol Surfac	2.586301	1.3	0
E MXWO Compo Vol Surfac	2.838356	0.7	0
E MXWO Compo Vol Surfac	2.838356	0.9	0
E MXWO Compo Vol Surfac	2.838356	0.95	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

E MXWO Compo Vol Surfac	2.838356	0.975	0
E MXWO Compo Vol Surfac	2.838356	1	0
E MXWO Compo Vol Surfac	2.838356	1.025	0
E MXWO Compo Vol Surfac	2.838356	1.05	0
E MXWO Compo Vol Surfac	2.838356	1.1	0
E MXWO Compo Vol Surfac	2.838356	1.3	0
E MXWO Compo Vol Surfac	0	0.7	0.518
E MXWO Compo Vol Surfac	0	0.9	0.2116
E MXWO Compo Vol Surfac	0	0.95	0.1028
E MXWO Compo Vol Surfac	0	0.975	0.0436
E MXWO Compo Vol Surfac	0	1	0
E MXWO Compo Vol Surfac	0	1.025	-0.0007
E MXWO Compo Vol Surfac	0	1.05	0.0089
E MXWO Compo Vol Surfac	0	1.1	0.0449
E MXWO Compo Vol Surfac	0	1.3	0.1572
E MXWO Compo Vol Surfac	0.00274	0.7	0.518
E MXWO Compo Vol Surfac	0.00274	0.9	0.2116
E MXWO Compo Vol Surfac	0.00274	0.95	0.1028
E MXWO Compo Vol Surfac	0.00274	0.975	0.0436
E MXWO Compo Vol Surfac	0.00274	1	0
E MXWO Compo Vol Surfac	0.00274	1.025	-0.0007
E MXWO Compo Vol Surfac	0.00274	1.05	0.0089
E MXWO Compo Vol Surfac	0.00274	1.1	0.0449
E MXWO Compo Vol Surfac	0.00274	1.3	0.1572
E MXWO Compo Vol Surfac	0.09863	0.7	0.3053
E MXWO Compo Vol Surfac	0.09863	0.9	0.0922
E MXWO Compo Vol Surfac	0.09863	0.95	0.045
E MXWO Compo Vol Surfac	0.09863	0.975	0.0238
E MXWO Quant Vol Surfac	0	0.7	0.3155
E MXWO Quant Vol Surfac	0	0.9	0.111
E MXWO Quant Vol Surfac	0	0.95	0.0514
E MXWO Quant Vol Surfac	0	0.975	0.0264
E MXWO Quant Vol Surfac	0	1	0
E MXWO Quant Vol Surfac	0	1.025	-0.0171
E MXWO Quant Vol Surfac	0	1.05	-0.011
E MXWO Quant Vol Surfac	0	1.1	0.0034
E MXWO Quant Vol Surfac	0	1.3	0.0757
E MXWO Quant Vol Surfac	0.076712	0.7	0.3155
E MXWO Quant Vol Surfac	0.076712	0.9	0.111
E MXWO Quant Vol Surfac	0.076712	0.95	0.0514
E MXWO Quant Vol Surfac	0.076712	0.975	0.0264

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

\$E MXWO Quant Vol Surfac	0.076712	1	0
\$E MXWO Quant Vol Surfac	0.076712	1.025	-0.0171
\$E MXWO Quant Vol Surfac	0.076712	1.05	-0.011
\$E MXWO Quant Vol Surfac	0.076712	1.1	0.0034
\$E MXWO Quant Vol Surfac	0.076712	1.3	0.0757
\$E MXWO Quant Vol Surfac	0.172603	0.7	0.2465
\$E MXWO Quant Vol Surfac	0.172603	0.9	0.0734
\$E MXWO Quant Vol Surfac	0.172603	0.95	0.0361
\$E MXWO Quant Vol Surfac	0.172603	0.975	0.019
\$E MXWO Quant Vol Surfac	0.172603	1	0
\$E MXWO Quant Vol Surfac	0.172603	1.025	-0.0186
\$E MXWO Quant Vol Surfac	0.172603	1.05	-0.0242
\$E MXWO Quant Vol Surfac	0.172603	1.1	-0.0164
\$E MXWO Quant Vol Surfac	0.172603	1.3	0.0046
\$E MXWO Quant Vol Surfac	0.249315	0.7	0.2307
\$E MXWO Quant Vol Surfac	0.249315	0.9	0.07
\$E MXWO Quant Vol Surfac	0.249315	0.95	0.0358
\$E MXWO Quant Vol Surfac	0.249315	0.975	0.0189
\$E MXWO Quant Vol Surfac	0.249315	1	0
\$E MXWO Quant Vol Surfac	0.249315	1.025	-0.0189
\$E MXWO Quant Vol Surfac	0.249315	1.05	-0.0258
\$E MXWO Quant Vol Surfac	0.249315	1.1	-0.017
\$E MXWO Quant Vol Surfac	0.249315	1.3	0.0212
\$E MXWO Quant Vol Surfac	0.326027	0.7	0.1987
\$E MXWO Quant Vol Surfac	0.326027	0.9	0.0601
\$E MXWO Quant Vol Surfac	0.326027	0.95	0.0312
\$E MXWO Quant Vol Surfac	0.326027	0.975	0.0164
\$E MXWO Quant Vol Surfac	0.326027	1	0
\$E MXWO Quant Vol Surfac	0.326027	1.025	-0.0169
\$E MXWO Quant Vol Surfac	0.326027	1.05	-0.0264
\$E MXWO Quant Vol Surfac	0.326027	1.1	-0.0232
\$E MXWO Quant Vol Surfac	0.326027	1.3	0.0123
\$E MXWO Quant Vol Surfac	0.49863	0.7	0.1557
\$E MXWO Quant Vol Surfac	0.49863	0.9	0.0476
\$E MXWO Quant Vol Surfac	0.49863	0.95	0.0255
\$E MXWO Quant Vol Surfac	0.49863	0.975	0.0135
\$E MXWO Quant Vol Surfac	0.49863	1	0
\$E MXWO Quant Vol Surfac	0.49863	1.025	-0.0146
\$E MXWO Quant Vol Surfac	0.49863	1.05	-0.027
\$E MXWO Quant Vol Surfac	0.49863	1.1	-0.0309
\$E MXWO Quant Vol Surfac	0.49863	1.3	-0.0013

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

\$E MXWO Quant Vol Surfac	0.745205	0.7	0.1283
\$E MXWO Quant Vol Surfac	0.745205	0.9	0.0402
\$E MXWO Quant Vol Surfac	0.745205	0.95	0.0215
\$E MXWO Quant Vol Surfac	0.745205	0.975	0.0112
\$E MXWO Quant Vol Surfac	0.745205	1	0
\$E MXWO Quant Vol Surfac	0.745205	1.025	-0.0119
\$E MXWO Quant Vol Surfac	0.745205	1.05	-0.0229
\$E MXWO Quant Vol Surfac	0.745205	1.1	-0.0324
\$E MXWO Quant Vol Surfac	0.745205	1.3	-0.0079
\$E MXWO Quant Vol Surfac	0.99726	0.7	0.1107
\$E MXWO Quant Vol Surfac	0.99726	0.9	0.0351
\$E MXWO Quant Vol Surfac	0.99726	0.95	0.0185
\$E MXWO Quant Vol Surfac	0.99726	0.975	0.0096
\$E MXWO Quant Vol Surfac	0.99726	1	0
\$E MXWO Quant Vol Surfac	0.99726	1.025	-0.0101
\$E MXWO Quant Vol Surfac	0.99726	1.05	-0.0199
\$E MXWO Quant Vol Surfac	0.99726	1.1	-0.0315
\$E MXWO Quant Vol Surfac	0.99726	1.3	-0.0113
\$E MXWO Quant Vol Surfac	1.246575	0.7	0.0998
\$E MXWO Quant Vol Surfac	1.246575	0.9	0.0322
\$E MXWO Quant Vol Surfac	1.246575	0.95	0.0169
\$E MXWO Quant Vol Surfac	1.246575	0.975	0.0087
\$E MXWO Quant Vol Surfac	1.246575	1	0
\$E MXWO Quant Vol Surfac	1.246575	1.025	-0.0092
\$E MXWO Quant Vol Surfac	1.246575	1.05	-0.0185
\$E MXWO Quant Vol Surfac	1.246575	1.1	-0.0315
\$E MXWO Quant Vol Surfac	1.246575	1.3	-0.0168
\$E MXWO Quant Vol Surfac	1.323288	0.7	0.0959
\$E MXWO Quant Vol Surfac	1.323288	0.9	0.0312
\$E MXWO Quant Vol Surfac	1.323288	0.95	0.0164
\$E MXWO Quant Vol Surfac	1.323288	0.975	0.0084
\$E MXWO Quant Vol Surfac	1.323288	1	0
\$E MXWO Quant Vol Surfac	1.323288	1.025	-0.009
\$E MXWO Quant Vol Surfac	1.323288	1.05	-0.0179
\$E MXWO Quant Vol Surfac	1.323288	1.1	-0.031
\$E MXWO Quant Vol Surfac	1.323288	1.3	-0.0173
\$E MXWO Quant Vol Surfac	1.742466	0.7	0.0806
\$E MXWO Quant Vol Surfac	1.742466	0.9	0.0267
\$E MXWO Quant Vol Surfac	1.742466	0.95	0.014
\$E MXWO Quant Vol Surfac	1.742466	0.975	0.0072
\$E MXWO Quant Vol Surfac	1.742466	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE MXWO Quant Vol Surfac	1.742466	1.025	-0.0076
SE MXWO Quant Vol Surfac	1.742466	1.05	-0.0152
SE MXWO Quant Vol Surfac	1.742466	1.1	-0.0284
SE MXWO Quant Vol Surfac	1.742466	1.3	-0.0209
SE MXWO Quant Vol Surfac	2.243836	0.7	0.0703
SE MXWO Quant Vol Surfac	2.243836	0.9	0.0235
SE MXWO Quant Vol Surfac	2.243836	0.95	0.0123
SE MXWO Quant Vol Surfac	2.243836	0.975	0.0063
SE MXWO Quant Vol Surfac	2.243836	1	0
SE MXWO Quant Vol Surfac	2.243836	1.025	-0.0066
SE MXWO Quant Vol Surfac	2.243836	1.05	-0.0133
SE MXWO Quant Vol Surfac	2.243836	1.1	-0.0257
SE MXWO Quant Vol Surfac	2.243836	1.3	-0.0261
SE MXWO Quant Vol Surfac	3.241096	0.7	0.0577
SE MXWO Quant Vol Surfac	3.241096	0.9	0.0192
SE MXWO Quant Vol Surfac	3.241096	0.95	0.0099
SE MXWO Quant Vol Surfac	3.241096	0.975	0.005
SE MXWO Quant Vol Surfac	3.241096	1	0
SE MXWO Quant Vol Surfac	3.241096	1.025	-0.0052
SE MXWO Quant Vol Surfac	3.241096	1.05	-0.0104
SE MXWO Quant Vol Surfac	3.241096	1.1	-0.0208
SE MXWO Quant Vol Surfac	3.241096	1.3	-0.0295
SE MXWO Quant Vol Surfac	4.257534	0.7	0.049
SE MXWO Quant Vol Surfac	4.257534	0.9	0.016
SE MXWO Quant Vol Surfac	4.257534	0.95	0.0082
SE MXWO Quant Vol Surfac	4.257534	0.975	0.0041
SE MXWO Quant Vol Surfac	4.257534	1	0
SE MXWO Quant Vol Surfac	4.257534	1.025	-0.0042
SE MXWO Quant Vol Surfac	4.257534	1.05	-0.0084
SE MXWO Quant Vol Surfac	4.257534	1.1	-0.0168
SE MXWO Quant Vol Surfac	4.257534	1.3	-0.0327
SE MXWO Quant Vol Surfac	5.254795	0.7	0.0404
SE MXWO Quant Vol Surfac	5.254795	0.9	0.0129
SE MXWO Quant Vol Surfac	5.254795	0.95	0.0065
SE MXWO Quant Vol Surfac	5.254795	0.975	0.0033
SE MXWO Quant Vol Surfac	5.254795	1	0
SE MXWO Quant Vol Surfac	5.254795	1.025	-0.0033
SE MXWO Quant Vol Surfac	5.254795	1.05	-0.0068
SE MXWO Quant Vol Surfac	5.254795	1.1	-0.0136
SE MXWO Quant Vol Surfac	5.254795	1.3	-0.035
SE MXWO Quant Vol Surfac	6.252055	0.7	0.0353

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE MXWO Quant Vol Surface	6.252055	0.9	0.0111
SE MXWO Quant Vol Surface	6.252055	0.95	0.0056
SE MXWO Quant Vol Surface	6.252055	0.975	0.0028
SE MXWO Quant Vol Surface	6.252055	1	0
SE MXWO Quant Vol Surface	6.252055	1.025	-0.0028
SE MXWO Quant Vol Surface	6.252055	1.05	-0.0058
SE MXWO Quant Vol Surface	6.252055	1.1	-0.0118
SE MXWO Quant Vol Surface	6.252055	1.3	-0.0327
SE MXWO Quant Vol Surface	7.249315	0.7	0.0317
SE MXWO Quant Vol Surface	7.249315	0.9	0.0098
SE MXWO Quant Vol Surface	7.249315	0.95	0.0049
SE MXWO Quant Vol Surface	7.249315	0.975	0.0025
SE MXWO Quant Vol Surface	7.249315	1	0
SE MXWO Quant Vol Surface	7.249315	1.025	-0.0025
SE MXWO Quant Vol Surface	7.249315	1.05	-0.005
SE MXWO Quant Vol Surface	7.249315	1.1	-0.0104
SE MXWO Quant Vol Surface	7.249315	1.3	-0.0307
SE HYG Compo Vol Surface	2.090411	1.3	0.0194
SE HYG Compo Vol Surface	2.339726	0.7	0
SE HYG Compo Vol Surface	2.339726	0.9	0
SE HYG Compo Vol Surface	2.339726	0.95	0
SE HYG Compo Vol Surface	2.339726	0.975	0
SE HYG Compo Vol Surface	2.339726	1	0
SE HYG Compo Vol Surface	2.339726	1.025	0
SE HYG Compo Vol Surface	2.339726	1.05	0
SE HYG Compo Vol Surface	2.339726	1.1	0
SE HYG Compo Vol Surface	2.339726	1.3	0
SE HYG Compo Vol Surface	2.586301	0.7	0
SE HYG Compo Vol Surface	2.586301	0.9	0
SE HYG Compo Vol Surface	2.586301	0.95	0
SE HYG Compo Vol Surface	2.586301	0.975	0
SE HYG Compo Vol Surface	2.586301	1	0
SE HYG Compo Vol Surface	2.586301	1.025	0
SE HYG Compo Vol Surface	2.586301	1.05	0
SE HYG Compo Vol Surface	2.586301	1.1	0
SE HYG Compo Vol Surface	2.586301	1.3	0
SE HYG Compo Vol Surface	2.838356	0.7	0
SE HYG Compo Vol Surface	2.838356	0.9	0
SE HYG Compo Vol Surface	2.838356	0.95	0
SE HYG Compo Vol Surface	2.838356	0.975	0
SE HYG Compo Vol Surface	2.838356	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE HYG Compo Vol Surface	2.838356	1.025	0
SE HYG Compo Vol Surface	2.838356	1.05	0
SE HYG Compo Vol Surface	2.838356	1.1	0
SE HYG Compo Vol Surface	2.838356	1.3	0
SE HYG Compo Vol Surface	0	0.7	0.3269
SE HYG Compo Vol Surface	0	0.9	0.1614
SE HYG Compo Vol Surface	0	0.95	0.0898
SE HYG Compo Vol Surface	0	0.975	0.0415
SE HYG Compo Vol Surface	0	1	0
SE HYG Compo Vol Surface	0	1.025	0.0046
SE HYG Compo Vol Surface	0	1.05	0.0354
SE HYG Compo Vol Surface	0	1.1	0.0827
SE HYG Compo Vol Surface	0	1.3	0.1681
SE HYG Compo Vol Surface	0.00274	0.7	0.3269
SE HYG Compo Vol Surface	0.00274	0.9	0.1614
SE HYG Compo Vol Surface	0.00274	0.95	0.0898
SE HYG Compo Vol Surface	0.00274	0.975	0.0415
SE HYG Compo Vol Surface	0.00274	1	0
SE HYG Compo Vol Surface	0.00274	1.025	0.0046
SE HYG Compo Vol Surface	0.00274	1.05	0.0354
SE HYG Compo Vol Surface	0.00274	1.1	0.0827
SE HYG Compo Vol Surface	0.00274	1.3	0.1681
SE HYG Compo Vol Surface	0.09863	0.7	0.2123
SE HYG Compo Vol Surface	0.09863	0.9	0.0863
SE HYG Compo Vol Surface	0.09863	0.95	0.0386
SE HYG Compo Vol Surface	0.09863	0.975	0.0166
SE HYG Compo Vol Surface	0.09863	1	0
SE HYG Compo Vol Surface	0.09863	1.025	-0.006
SE HYG Compo Vol Surface	0.09863	1.05	0.0001
SE HYG Compo Vol Surface	0.09863	1.1	0.0284
SE HYG Compo Vol Surface	0.09863	1.3	0.0948
SE HYG Compo Vol Surface	0.175342	0.7	0.205
SE HYG Compo Vol Surface	0.175342	0.9	0.0728
SE HYG Compo Vol Surface	0.175342	0.95	0.0316
SE HYG Compo Vol Surface	0.175342	0.975	0.0138
SE HYG Compo Vol Surface	0.175342	1	0
SE HYG Compo Vol Surface	0.175342	1.025	-0.0077
SE HYG Compo Vol Surface	0.175342	1.05	-0.0079
SE HYG Compo Vol Surface	0.175342	1.1	0.0075
SE HYG Compo Vol Surface	0.175342	1.3	0.0629
SE HYG Compo Vol Surface	0.252055	0.7	0.1949

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE HYG Compo Vol Surface	0.252055	0.9	0.0652
SE HYG Compo Vol Surface	0.252055	0.95	0.0281
SE HYG Compo Vol Surface	0.252055	0.975	0.0123
SE HYG Compo Vol Surface	0.252055	1	0
SE HYG Compo Vol Surface	0.252055	1.025	-0.0071
SE HYG Compo Vol Surface	0.252055	1.05	-0.0081
SE HYG Compo Vol Surface	0.252055	1.1	0.0033
SE HYG Compo Vol Surface	0.252055	1.3	0.0506
SE HYG Compo Vol Surface	0.347945	0.7	0.1754
SE HYG Compo Vol Surface	0.347945	0.9	0.0559
SE HYG Compo Vol Surface	0.347945	0.95	0.0239
SE HYG Compo Vol Surface	0.347945	0.975	0.0104
SE HYG Compo Vol Surface	0.347945	1	0
SE HYG Compo Vol Surface	0.347945	1.025	-0.0062
SE HYG Compo Vol Surface	0.347945	1.05	-0.0078
SE HYG Compo Vol Surface	0.347945	1.1	-0.0003
SE HYG Compo Vol Surface	0.347945	1.3	0.0369
SE HYG Compo Vol Surface	0.59726	0.7	0.1329
SE HYG Compo Vol Surface	0.59726	0.9	0.0418
SE HYG Compo Vol Surface	0.59726	0.95	0.0174
SE HYG Compo Vol Surface	0.59726	0.975	0.0074
SE HYG Compo Vol Surface	0.59726	1	0
SE HYG Compo Vol Surface	0.59726	1.025	-0.004
SE HYG Compo Vol Surface	0.59726	1.05	-0.0044
SE HYG Compo Vol Surface	0.59726	1.1	0.0036
SE HYG Compo Vol Surface	0.59726	1.3	0.0471
SE HYG Compo Vol Surface	0.673973	0.7	0.1293
SE HYG Compo Vol Surface	0.673973	0.9	0.0388
SE HYG Compo Vol Surface	0.673973	0.95	0.0153
SE HYG Compo Vol Surface	0.673973	0.975	0.0062
SE HYG Compo Vol Surface	0.673973	1	0
SE HYG Compo Vol Surface	0.673973	1.025	-0.0026
SE HYG Compo Vol Surface	0.673973	1.05	-0.0016
SE HYG Compo Vol Surface	0.673973	1.1	0.0085
SE HYG Compo Vol Surface	0.673973	1.3	0.0571
SE HYG Compo Vol Surface	0.846575	0.7	0.1241
SE HYG Compo Vol Surface	0.846575	0.9	0.0371
SE HYG Compo Vol Surface	0.846575	0.95	0.0148
SE HYG Compo Vol Surface	0.846575	0.975	0.006
SE HYG Compo Vol Surface	0.846575	1	0
SE HYG Compo Vol Surface	0.846575	1.025	-0.0026

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SE HYG Compo Vol Surface	0.846575	1.05	-0.0018
SE HYG Compo Vol Surface	0.846575	1.1	0.0074
SE HYG Compo Vol Surface	0.846575	1.3	0.0501
SE HYG Compo Vol Surface	1.093151	0.7	0.1081
SE HYG Compo Vol Surface	1.093151	0.9	0.0304
SE HYG Compo Vol Surface	1.093151	0.95	0.0118
SE HYG Compo Vol Surface	1.093151	0.975	0.0049
SE HYG Compo Vol Surface	1.093151	1	0
SE HYG Compo Vol Surface	1.093151	1.025	-0.0023
SE HYG Compo Vol Surface	1.093151	1.05	-0.0021
SE HYG Compo Vol Surface	1.093151	1.1	0.0044
SE HYG Compo Vol Surface	1.093151	1.3	0.0421
SE HYG Compo Vol Surface	1.342466	0.7	0
SE HYG Compo Vol Surface	1.342466	0.9	0
SE HYG Compo Vol Surface	1.342466	0.95	0
SE HYG Compo Vol Surface	1.342466	0.975	0
SE HYG Compo Vol Surface	1.342466	1	0
SE HYG Compo Vol Surface	1.342466	1.025	0
SE HYG Compo Vol Surface	1.342466	1.05	0
SE HYG Compo Vol Surface	1.342466	1.1	0
SE HYG Compo Vol Surface	1.342466	1.3	0
SE HYG Compo Vol Surface	1.591781	0.7	0
SE HYG Compo Vol Surface	1.591781	0.9	0
SE HYG Compo Vol Surface	1.591781	0.95	0
SE HYG Compo Vol Surface	1.591781	0.975	0
SE HYG Compo Vol Surface	1.591781	1	0
SE HYG Compo Vol Surface	1.591781	1.025	0
SE HYG Compo Vol Surface	1.591781	1.05	0
SE HYG Compo Vol Surface	1.591781	1.1	0
SE HYG Compo Vol Surface	1.591781	1.3	0
SE HYG Compo Vol Surface	1.841096	0.7	0
SE HYG Compo Vol Surface	1.841096	0.9	0
SE HYG Compo Vol Surface	1.841096	0.95	0
SE HYG Compo Vol Surface	1.841096	0.975	0
SE HYG Compo Vol Surface	1.841096	1	0
SE HYG Compo Vol Surface	1.841096	1.025	0
SE HYG Compo Vol Surface	1.841096	1.05	0
SE HYG Compo Vol Surface	1.841096	1.1	0
SE HYG Compo Vol Surface	1.841096	1.3	0
SE HYG Compo Vol Surface	2.090411	0.7	0.0726
SE HYG Compo Vol Surface	2.090411	0.9	0.0198

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE HYG Compo Vol Surface	2.090411	0.95	0.0081
JSE HYG Compo Vol Surface	2.090411	0.975	0.0035
JSE HYG Compo Vol Surface	2.090411	1	0
JSE HYG Compo Vol Surface	2.090411	1.025	-0.0022
JSE HYG Compo Vol Surface	2.090411	1.05	-0.0033
JSE HYG Compo Vol Surface	2.090411	1.1	-0.0021
JSE HYG Quant Vol Surface	0.594521	0.9	0.0391
JSE HYG Quant Vol Surface	0.594521	0.95	0.0156
JSE HYG Quant Vol Surface	0.594521	0.975	0.0064
JSE HYG Quant Vol Surface	0.594521	1	0
JSE HYG Quant Vol Surface	0.594521	1.025	-0.0025
JSE HYG Quant Vol Surface	0.594521	1.05	-0.001
JSE HYG Quant Vol Surface	0.594521	1.1	0.0116
JSE HYG Quant Vol Surface	0.594521	1.3	0.0632
JSE HYG Quant Vol Surface	0.767123	0.7	0.1218
JSE HYG Quant Vol Surface	0.767123	0.9	0.0367
JSE HYG Quant Vol Surface	0.767123	0.95	0.0147
JSE HYG Quant Vol Surface	0.767123	0.975	0.0061
JSE HYG Quant Vol Surface	0.767123	1	0
JSE HYG Quant Vol Surface	0.767123	1.025	-0.0026
JSE HYG Quant Vol Surface	0.767123	1.05	-0.0017
JSE HYG Quant Vol Surface	0.767123	1.1	0.0081
JSE HYG Quant Vol Surface	0.767123	1.3	0.0499
JSE HYG Quant Vol Surface	1.013699	0.7	0.1206
JSE HYG Quant Vol Surface	1.013699	0.9	0.0271
JSE HYG Quant Vol Surface	1.013699	0.95	0.0028
JSE HYG Quant Vol Surface	1.013699	0.975	-0.003
JSE HYG Quant Vol Surface	1.013699	1	0
JSE HYG Quant Vol Surface	1.013699	1.025	0.0112
JSE HYG Quant Vol Surface	1.013699	1.05	0.0268
JSE HYG Quant Vol Surface	1.013699	1.1	0.0587
JSE HYG Quant Vol Surface	1.013699	1.3	0.1296
JSE HYG Quant Vol Surface	1.265753	0.7	0.1076
JSE HYG Quant Vol Surface	1.265753	0.9	0.0201
JSE HYG Quant Vol Surface	1.265753	0.95	-0.0007
JSE HYG Quant Vol Surface	1.265753	0.975	-0.0039
JSE HYG Quant Vol Surface	1.265753	1	0
JSE HYG Quant Vol Surface	1.265753	1.025	0.0099
JSE HYG Quant Vol Surface	1.265753	1.05	0.0229
JSE HYG Quant Vol Surface	1.265753	1.1	0.05
JSE HYG Quant Vol Surface	1.265753	1.3	0.1117

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE HYG Quant Vol Surface	1.515068	0.7	0.0982
JSE HYG Quant Vol Surface	1.515068	0.9	0.0148
JSE HYG Quant Vol Surface	1.515068	0.95	-0.0033
JSE HYG Quant Vol Surface	1.515068	0.975	-0.0047
JSE HYG Quant Vol Surface	1.515068	1	0
JSE HYG Quant Vol Surface	1.515068	1.025	0.0088
JSE HYG Quant Vol Surface	1.515068	1.05	0.02
JSE HYG Quant Vol Surface	1.515068	1.1	0.0435
JSE HYG Quant Vol Surface	1.515068	1.3	0.0985
JSE HYG Quant Vol Surface	1.591781	0.7	0.0959
JSE HYG Quant Vol Surface	1.591781	0.9	0.0135
JSE HYG Quant Vol Surface	1.591781	0.95	-0.0039
JSE HYG Quant Vol Surface	1.591781	0.975	-0.0048
JSE HYG Quant Vol Surface	1.591781	1	0
JSE HYG Quant Vol Surface	1.591781	1.025	0.0086
JSE HYG Quant Vol Surface	1.591781	1.05	0.0193
JSE HYG Quant Vol Surface	1.591781	1.1	0.0419
JSE HYG Quant Vol Surface	1.591781	1.3	0.0951
JSE HYG Quant Vol Surface	2.010959	0.7	0.0838
JSE HYG Quant Vol Surface	2.010959	0.9	0.0125
JSE HYG Quant Vol Surface	2.010959	0.95	-0.0017
JSE HYG Quant Vol Surface	2.010959	0.975	-0.003
JSE HYG Quant Vol Surface	2.010959	1	0
JSE HYG Quant Vol Surface	2.010959	1.025	0.0061
JSE HYG Quant Vol Surface	2.010959	1.05	0.0142
JSE HYG Quant Vol Surface	2.010959	1.1	0.0324
JSE HYG Quant Vol Surface	2.010959	1.3	0.0797
JSE HYG Quant Vol Surface	2.512329	0.7	0.0739
JSE HYG Quant Vol Surface	2.512329	0.9	0.0118
JSE HYG Quant Vol Surface	2.512329	0.95	-0.0001
JSE HYG Quant Vol Surface	2.512329	0.975	-0.0016
JSE HYG Quant Vol Surface	2.512329	1	0
JSE HYG Quant Vol Surface	2.512329	1.025	0.0042
JSE HYG Quant Vol Surface	2.512329	1.05	0.0101
JSE HYG Quant Vol Surface	2.512329	1.1	0.0247
JSE HYG Quant Vol Surface	2.512329	1.3	0.0669
JSE HYG Quant Vol Surface	3.509589	0.7	0.0617
JSE HYG Quant Vol Surface	3.509589	0.9	0.0113
JSE HYG Quant Vol Surface	3.509589	0.95	0.0019
JSE HYG Quant Vol Surface	3.509589	0.975	-0.0001
JSE HYG Quant Vol Surface	3.509589	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE HYG Quant Vol Surface	3.509589	1.025	0.0018
JSE HYG Quant Vol Surface	3.509589	1.05	0.0051
JSE HYG Quant Vol Surface	3.509589	1.1	0.015
JSE HYG Quant Vol Surface	3.509589	1.3	0.0512
JSE HYG Quant Vol Surface	4.526027	0.7	0.0545
JSE HYG Quant Vol Surface	4.526027	0.9	0.0112
JSE HYG Quant Vol Surface	4.526027	0.95	0.0032
JSE HYG Quant Vol Surface	4.526027	0.975	0.0009
JSE HYG Quant Vol Surface	4.526027	1	0
JSE HYG Quant Vol Surface	4.526027	1.025	0.0005
JSE HYG Quant Vol Surface	4.526027	1.05	0.0024
JSE HYG Quant Vol Surface	4.526027	1.1	0.0091
JSE HYG Quant Vol Surface	4.526027	1.3	0.0423
JSE HYG Quant Vol Surface	5.523288	0.7	0.0497
JSE HYG Quant Vol Surface	5.523288	0.9	0.0111
JSE HYG Quant Vol Surface	5.523288	0.95	0.0038
JSE HYG Quant Vol Surface	5.523288	0.975	0.0013
JSE HYG Quant Vol Surface	5.523288	1	0
JSE HYG Quant Vol Surface	5.523288	1.025	-0.0002
JSE HYG Quant Vol Surface	5.523288	1.05	0.0008
JSE HYG Quant Vol Surface	5.523288	1.1	0.0061
JSE HYG Quant Vol Surface	5.523288	1.3	0.0369
JSE HYG Quant Vol Surface	6.520548	0.7	0.0462
JSE HYG Quant Vol Surface	6.520548	0.9	0.011
JSE HYG Quant Vol Surface	6.520548	0.95	0.0041
JSE HYG Quant Vol Surface	6.520548	0.975	0.0016
JSE HYG Quant Vol Surface	6.520548	1	0
JSE HYG Quant Vol Surface	6.520548	1.025	-0.0006
JSE HYG Quant Vol Surface	6.520548	1.05	-0.0001
JSE HYG Quant Vol Surface	6.520548	1.1	0.0042
JSE HYG Quant Vol Surface	6.520548	1.3	0.0335
JSE HYG Quant Vol Surface	0	0.7	0.2327
JSE HYG Quant Vol Surface	0	0.9	0.0995
JSE HYG Quant Vol Surface	0	0.95	0.0465
JSE HYG Quant Vol Surface	0	0.975	0.0204
JSE HYG Quant Vol Surface	0	1	0
JSE HYG Quant Vol Surface	0	1.025	-0.0066
JSE HYG Quant Vol Surface	0	1.05	0.0026
JSE HYG Quant Vol Surface	0	1.1	0.0339
JSE HYG Quant Vol Surface	0	1.3	0.0946
JSE HYG Quant Vol Surface	0.09589	0.7	0.2327

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

JSE HYG Quant Vol Surface	0.09589	0.9	0.0995
JSE HYG Quant Vol Surface	0.09589	0.95	0.0465
JSE HYG Quant Vol Surface	0.09589	0.975	0.0204
JSE HYG Quant Vol Surface	0.09589	1	0
JSE HYG Quant Vol Surface	0.09589	1.025	-0.0066
JSE HYG Quant Vol Surface	0.09589	1.05	0.0026
JSE HYG Quant Vol Surface	0.09589	1.1	0.0339
JSE HYG Quant Vol Surface	0.09589	1.3	0.0946
JSE HYG Quant Vol Surface	0.172603	0.7	0.1694
JSE HYG Quant Vol Surface	0.172603	0.9	0.0583
JSE HYG Quant Vol Surface	0.172603	0.95	0.0205
JSE HYG Quant Vol Surface	0.172603	0.975	0.0066
JSE HYG Quant Vol Surface	0.172603	1	0
JSE HYG Quant Vol Surface	0.172603	1.025	0.0022
JSE HYG Quant Vol Surface	0.172603	1.05	0.0118
JSE HYG Quant Vol Surface	0.172603	1.1	0.0412
JSE HYG Quant Vol Surface	0.172603	1.3	0.1213
JSE HYG Quant Vol Surface	0.268493	0.7	0.1874
JSE HYG Quant Vol Surface	0.268493	0.9	0.0596
JSE HYG Quant Vol Surface	0.268493	0.95	0.0228
JSE HYG Quant Vol Surface	0.268493	0.975	0.0086
JSE HYG Quant Vol Surface	0.268493	1	0
JSE HYG Quant Vol Surface	0.268493	1.025	-0.0011
JSE HYG Quant Vol Surface	0.268493	1.05	0.0048
JSE HYG Quant Vol Surface	0.268493	1.1	0.0279
JSE HYG Quant Vol Surface	0.268493	1.3	0.0953
JSE HYG Quant Vol Surface	0.517808	0.7	0.1447
JSE HYG Quant Vol Surface	0.517808	0.9	0.0426
JSE HYG Quant Vol Surface	0.517808	0.95	0.0175
JSE HYG Quant Vol Surface	0.517808	0.975	0.0073
JSE HYG Quant Vol Surface	0.517808	1	0
JSE HYG Quant Vol Surface	0.517808	1.025	-0.003
JSE HYG Quant Vol Surface	0.517808	1.05	-0.0014
JSE HYG Quant Vol Surface	0.517808	1.1	0.0127
JSE HYG Quant Vol Surface	0.517808	1.3	0.068
JSE HYG Quant Vol Surface	0.594521	0.7	0.134
ZATR	0.00274	0.7	0.0883
ZATR	0.169863	0.7	0.2217
ZATR	0.00274	0.9	0.0883
ZATR	0.169863	0.9	0.085902
ZATR	0.00274	0.95	0.0883

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZATR	0.169863	0.95	0.045643
ZATR	0.00274	0.975	0.059436
ZATR	0.169863	0.975	0.022638
ZATR	0.00274	1	0
ZATR	0.169863	1	0
ZATR	0.00274	1.025	0.05164
ZATR	0.169863	1.025	-0.01105
ZATR	0.00274	1.05	0.0746
ZATR	0.169863	1.05	-0.009514
ZATR	0.00274	1.1	0.0746
ZATR	0.169863	1.1	0.00358
ZATR	0.00274	1.3	0.0746
ZATR	0.169863	1.3	0.0331
ZATR	0.019178	0.7	0.1081
ZATR	0.252055	0.7	0.214453
ZATR	0.019178	0.9	0.1081
ZATR	0.252055	0.9	0.081283
ZATR	0.019178	0.95	0.070743
ZATR	0.252055	0.95	0.043053
ZATR	0.019178	0.975	0.030088
ZATR	0.252055	0.975	0.021188
ZATR	0.019178	1	0
ZATR	0.252055	1	0
ZATR	0.019178	1.025	0.016865
ZATR	0.252055	1.025	-0.012923
ZATR	0.019178	1.05	0.050119
ZATR	0.252055	1.05	-0.014754
ZATR	0.019178	1.1	0.0755
ZATR	0.252055	1.1	-0.006867
ZATR	0.019178	1.3	0.0755
ZATR	0.252055	1.3	0.0302
ZATR	0.038356	0.7	0.1295
ZATR	0.342466	0.7	0.194713
ZATR	0.038356	0.9	0.119161
ZATR	0.342466	0.9	0.071913
ZATR	0.038356	0.95	0.058063
ZATR	0.342466	0.95	0.036847
ZATR	0.038356	0.975	0.026879
ZATR	0.342466	0.975	0.017926
ZATR	0.038356	1	0
ZATR	0.342466	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZATR	0.038356	1.025	0.005986
ZATR	0.342466	1.025	-0.011387
ZATR	0.038356	1.05	0.026658
ZATR	0.342466	1.05	-0.016
ZATR	0.038356	1.1	0.0634
ZATR	0.342466	1.1	-0.012051
ZATR	0.038356	1.3	0.0634
ZATR	0.342466	1.3	0.0369
ZATR	0.057534	0.7	0.1526
ZATR	0.419178	0.7	0.183225
ZATR	0.057534	0.9	0.10965
ZATR	0.419178	0.9	0.067533
ZATR	0.057534	0.95	0.054244
ZATR	0.419178	0.95	0.034024
ZATR	0.057534	0.975	0.02708
ZATR	0.419178	0.975	0.016448
ZATR	0.057534	1	0
ZATR	0.419178	1	0
ZATR	0.057534	1.025	-0.000433
ZATR	0.419178	1.025	-0.01074
ZATR	0.057534	1.05	0.013915
ZATR	0.419178	1.05	-0.016419
ZATR	0.057534	1.1	0.050397
ZATR	0.419178	1.1	-0.014426
ZATR	0.057534	1.3	0.0535
ZATR	0.419178	1.3	0.028011
ZATR	0.084932	0.7	0.188
ZATR	0.49863	0.7	0.17622
ZATR	0.084932	0.9	0.103151
ZATR	0.49863	0.9	0.064924
ZATR	0.084932	0.95	0.054241
ZATR	0.49863	0.95	0.032249
ZATR	0.084932	0.975	0.02763
ZATR	0.49863	0.975	0.015788
ZATR	0.084932	1	0
ZATR	0.49863	1	0
ZATR	0.084932	1.025	-0.007193
ZATR	0.49863	1.025	-0.010094
ZATR	0.084932	1.05	0.000929
ZATR	0.49863	1.05	-0.016482
ZATR	0.084932	1.1	0.028189

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZATR	0.49863	1.1	-0.016291
ZATR	0.084932	1.3	0.0407
ZATR	0.49863	1.3	0.022125
ZATR	0.115068	0.7	0.1992
ZATR	0.747945	0.7	0.148256
ZATR	0.115068	0.9	0.094533
ZATR	0.747945	0.9	0.050615
ZATR	0.115068	0.95	0.05009
ZATR	0.747945	0.95	0.024319
ZATR	0.115068	0.975	0.025091
ZATR	0.747945	0.975	0.011812
ZATR	0.115068	1	0
ZATR	0.747945	1	0
ZATR	0.115068	1.025	-0.008948
ZATR	0.747945	1.025	-0.00699
ZATR	0.115068	1.05	-0.003809
ZATR	0.747945	1.05	-0.012757
ZATR	0.115068	1.1	0.017167
ZATR	0.747945	1.1	-0.018404
ZATR	0.115068	1.3	0.0378
ZATR	0.747945	1.3	0.004295
ZATR	1	0.7	0.133226
ZATR	1	0.9	0.044432
ZATR	1	0.95	0.021207
ZATR	1	0.975	0.010283
ZATR	1	1	0
ZATR	1	1.025	-0.005671
ZATR	1	1.05	-0.010492
ZATR	1	1.1	-0.017435
ZATR	1	1.3	-0.002792
ZATR	1.252055	0.7	0.123972
ZATR	1.252055	0.9	0.039926
ZATR	1.252055	0.95	0.018752
ZATR	1.252055	0.975	0.00895
ZATR	1.252055	1	0
ZATR	1.252055	1.025	-0.004866
ZATR	1.252055	1.05	-0.008977
ZATR	1.252055	1.1	-0.015243
ZATR	1.252055	1.3	-0.006445
ZATR	1.50137	0.7	0.117928
ZATR	1.50137	0.9	0.037041

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZATR	1.50137	0.95	0.017268
ZATR	1.50137	0.975	0.008172
ZATR	1.50137	1	0
ZATR	1.50137	1.025	-0.004208
ZATR	1.50137	1.05	-0.007863
ZATR	1.50137	1.1	-0.013679
ZATR	1.50137	1.3	-0.00862
ZATR	2.00274	0.7	0.109905
ZATR	2.00274	0.9	0.03305
ZATR	2.00274	0.95	0.015405
ZATR	2.00274	0.975	0.007268
ZATR	2.00274	1	0
ZATR	2.00274	1.025	-0.00343
ZATR	2.00274	1.05	-0.006396
ZATR	2.00274	1.1	-0.011644
ZATR	2.00274	1.3	-0.010679
ZATR	3.010959	0.7	0.100703
ZATR	3.010959	0.9	0.028961
ZATR	3.010959	0.95	0.012871
ZATR	3.010959	0.975	0.0062
ZATR	3.010959	1	0
ZATR	3.010959	1.025	-0.002873
ZATR	3.010959	1.05	-0.00528
ZATR	3.010959	1.1	-0.009599
ZATR	3.010959	1.3	-0.012968
ZACA	0.057534	1.05	0.031054
ZACA	0.00274	0.7	0.0044
ZACA	1.252055	0.975	-0.002408
ZACA	0.00274	0.9	0.0044
ZACA	0.057534	1.1	0.0592
ZACA	0.00274	0.95	0.0044
ZACA	1.252055	1	0
ZACA	0.00274	0.975	0.0044
ZACA	0.057534	1.3	0.0592
ZACA	0.00274	1	0
ZACA	1.252055	1.025	0.002293
ZACA	0.00274	1.025	0.049727
ZACA	0.084932	0.7	-0.0048
ZACA	0.00274	1.05	0.0634
ZACA	1.252055	1.05	0.004895
ZACA	0.00274	1.1	0.0634

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACA	0.084932	0.9	-0.0048
ZACA	0.00274	1.3	0.0634
ZACA	1.252055	1.1	0.010725
ZACA	0.021918	0.7	0.0023
ZACA	0.084932	0.95	-0.007352
ZACA	0.021918	0.9	0.0023
ZACA	1.252055	1.3	0.028733
ZACA	0.021918	0.95	0.0023
ZACA	0.084932	0.975	-0.007012
ZACA	0.021918	0.975	-0.004393
ZACA	1.50137	0.7	0.0129
ZACA	0.021918	1	0
ZACA	0.084932	1	0
ZACA	0.021918	1.025	0.024665
ZACA	1.50137	0.9	-0.003577
ZACA	0.021918	1.05	0.049941
ZACA	0.084932	1.025	0.013245
ZACA	0.021918	1.1	0.0615
ZACA	1.50137	0.95	-0.003601
ZACA	0.021918	1.3	0.0615
ZACA	0.084932	1.05	0.025436
ZACA	0.038356	0.7	-0.0008
ZACA	1.50137	0.975	-0.002242
ZACA	0.038356	0.9	-0.0008
ZACA	0.084932	1.1	0.047774
ZACA	0.038356	0.95	-0.0008
ZACA	1.50137	1	0
ZACA	0.038356	0.975	-0.006516
ZACA	0.084932	1.3	0.0569
ZACA	0.038356	1	0
ZACA	1.50137	1.025	0.002029
ZACA	0.038356	1.025	0.019168
ZACA	0.115068	0.7	-0.0052
ZACA	0.038356	1.05	0.037352
ZACA	1.50137	1.05	0.004361
ZACA	0.038356	1.1	0.0606
ZACA	0.115068	0.9	-0.0052
ZACA	0.038356	1.3	0.0606
ZACA	1.50137	1.1	0.009609
ZACA	0.057534	0.7	-0.0027
ZACA	0.115068	0.95	-0.007983

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACA	0.057534	0.9	-0.0027
ZACA	1.50137	1.3	0.026309
ZACA	0.057534	0.95	-0.004303
ZACA	0.115068	0.975	-0.006571
ZACA	0.057534	0.975	-0.007013
ZACA	2.00274	0.7	0.01249
ZACA	0.057534	1	0
ZACA	0.115068	1	0
ZACA	0.057534	1.025	0.016066
ZACA	2.00274	0.9	-0.003691
ZACA	0.115068	1.025	0.011518
ZACA	2.00274	0.95	-0.003415
ZACA	0.115068	1.05	0.022422
ZACA	2.00274	0.975	-0.00206
ZACA	0.115068	1.1	0.042332
ZACA	2.00274	1	0
ZACA	0.115068	1.3	0.056
ZACA	2.00274	1.025	0.001605
ZACA	0.169863	0.7	-0.0054
ZACA	2.00274	1.05	0.003581
ZACA	0.169863	0.9	-0.0054
ZACA	2.00274	1.1	0.007951
ZACA	0.169863	0.95	-0.007638
ZACA	2.00274	1.3	0.023116
ZACA	0.169863	0.975	-0.005868
ZACA	3.010959	0.7	0.01091
ZACA	0.169863	1	0
ZACA	3.010959	0.9	-0.002975
ZACA	0.169863	1.025	0.009172
ZACA	3.010959	0.95	-0.002723
ZACA	0.169863	1.05	0.018359
ZACA	3.010959	0.975	-0.001666
ZACA	0.169863	1.1	0.035067
ZACA	3.010959	1	0
ZACA	0.169863	1.3	0.0543
ZACA	3.010959	1.025	0.001273
ZACA	0.252055	0.7	-0.005
ZACA	3.010959	1.05	0.002738
ZACA	0.252055	0.9	-0.005453
ZACA	3.010959	1.1	0.006049
ZACA	0.252055	0.95	-0.006903

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACA	3.010959	1.3	0.019288
ZACA	0.252055	0.975	-0.005077
ZACA	0.252055	1	0
ZACA	0.252055	1.025	0.00705
ZACA	0.252055	1.05	0.014654
ZACA	0.252055	1.1	0.027928
ZACA	0.252055	1.3	0.0522
ZACA	0.342466	0.7	-0.0041
ZACA	0.342466	0.9	-0.005835
ZACA	0.342466	0.95	-0.006199
ZACA	0.342466	0.975	-0.004505
ZACA	0.342466	1	0
ZACA	0.342466	1.025	0.005769
ZACA	0.342466	1.05	0.012274
ZACA	0.342466	1.1	0.023525
ZACA	0.342466	1.3	0.052
ZACA	0.419178	0.7	-0.003
ZACA	0.419178	0.9	-0.005735
ZACA	0.419178	0.95	-0.005705
ZACA	0.419178	0.975	-0.004095
ZACA	0.419178	1	0
ZACA	0.419178	1.025	0.005019
ZACA	0.419178	1.05	0.010723
ZACA	0.419178	1.1	0.020754
ZACA	0.419178	1.3	0.0519
ZACA	0.49863	0.7	-0.0015
ZACA	0.49863	0.9	-0.005217
ZACA	0.49863	0.95	-0.00528
ZACA	0.49863	0.975	-0.003696
ZACA	0.49863	1	0
ZACA	0.49863	1.025	0.004426
ZACA	0.49863	1.05	0.009521
ZACA	0.49863	1.1	0.018708
ZACA	0.49863	1.3	0.051561
ZACA	0.747945	0.7	0.0032
ZACA	0.747945	0.9	-0.004212
ZACA	0.747945	0.95	-0.004656
ZACA	0.747945	0.975	-0.003031
ZACA	0.747945	1	0
ZACA	0.747945	1.025	0.003253
ZACA	0.747945	1.05	0.007079

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACA	0.747945	1.1	0.014541
ZACA	0.747945	1.3	0.040207
ZACA	1	0.7	0.0094
ZACA	1	0.9	-0.003391
ZACA	1	0.95	-0.004029
ZACA	1	0.975	-0.002612
ZACA	1	1	0
ZACA	1	1.025	0.002706
ZACA	1	1.05	0.005686
ZACA	1	1.1	0.01222
ZACA	1	1.3	0.032343
ZACA	1.252055	0.7	0.011
ZACA	1.252055	0.9	-0.003564
ZACA	1.252055	0.95	-0.003811
ZAUS	0.00274	0.7	0.0064
ZAUS	0.687671	1.025	0.00398
ZAUS	0.00274	0.9	0.0064
ZAUS	0.687671	1.05	0.00821
ZAUS	0.00274	0.95	0.0064
ZAUS	0.687671	1.1	0.017101
ZAUS	0.00274	0.975	0.003908
ZAUS	0.687671	1.3	0.050589
ZAUS	0.00274	1	0
ZAUS	0.69863	0.7	-0.008714
ZAUS	0.00274	1.025	0.041493
ZAUS	0.69863	0.9	-0.010941
ZAUS	0.00274	1.05	0.0763
ZAUS	0.69863	0.95	-0.006889
ZAUS	0.00274	1.1	0.0763
ZAUS	0.69863	0.975	-0.00404
ZAUS	0.00274	1.3	0.0763
ZAUS	0.69863	1	0
ZAUS	0.019178	0.7	-0.0045
ZAUS	0.69863	1.025	0.003922
ZAUS	0.019178	0.9	-0.0045
ZAUS	0.69863	1.05	0.008088
ZAUS	0.019178	0.95	-0.0045
ZAUS	0.69863	1.1	0.016853
ZAUS	0.019178	0.975	-0.011406
ZAUS	0.69863	1.3	0.050121
ZAUS	0.019178	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.747945	0.7	-0.0082
ZAUS	0.019178	1.025	0.029678
ZAUS	0.747945	0.9	-0.010445
ZAUS	0.019178	1.05	0.058731
ZAUS	0.747945	0.95	-0.006588
ZAUS	0.019178	1.1	0.0843
ZAUS	0.747945	0.975	-0.003836
ZAUS	0.019178	1.3	0.0843
ZAUS	0.747945	1	0
ZAUS	0.035616	0.7	-0.011271
ZAUS	0.747945	1.025	0.00366
ZAUS	0.035616	0.9	-0.011271
ZAUS	0.747945	1.05	0.007539
ZAUS	0.035616	0.95	-0.011271
ZAUS	0.747945	1.1	0.015738
ZAUS	0.035616	0.975	-0.013297
ZAUS	0.747945	1.3	0.048015
ZAUS	0.035616	1	0
ZAUS	0.767123	0.7	-0.008169
ZAUS	0.035616	1.025	0.023613
ZAUS	0.767123	0.9	-0.01035
ZAUS	0.035616	1.05	0.045588
ZAUS	0.767123	0.95	-0.006523
ZAUS	0.767123	0.975	-0.003798
ZAUS	0.767123	1	0
ZAUS	0.767123	1.025	0.003602
ZAUS	0.767123	1.05	0.007429
ZAUS	0.767123	1.1	0.015511
ZAUS	0.767123	1.3	0.047452
ZAUS	0.780822	0.7	-0.008147
ZAUS	0.780822	0.9	-0.010282
ZAUS	0.780822	0.95	-0.006476
ZAUS	0.780822	0.975	-0.00377
ZAUS	0.780822	1	0
ZAUS	0.780822	1.025	0.003561
ZAUS	0.780822	1.05	0.007351
ZAUS	0.780822	1.1	0.015349
ZAUS	0.780822	1.3	0.04705
ZAUS	0.947945	0.7	-0.007882
ZAUS	0.947945	0.9	-0.009458
ZAUS	0.947945	0.95	-0.005906

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.947945	0.975	-0.003434
ZAUS	0.947945	1	0
ZAUS	0.947945	1.025	0.003054
ZAUS	0.947945	1.05	0.006395
ZAUS	0.947945	1.1	0.013375
ZAUS	0.947945	1.3	0.042145
ZAUS	1	0.7	-0.0078
ZAUS	1	0.9	-0.009201
ZAUS	1	0.95	-0.005729
ZAUS	1	0.975	-0.003329
ZAUS	1	1	0
ZAUS	1	1.025	0.002897
ZAUS	1	1.05	0.006098
ZAUS	1	1.1	0.01276
ZAUS	1	1.3	0.040617
ZAUS	1.19726	0.7	-0.007643
ZAUS	1.19726	0.9	-0.008516
ZAUS	1.19726	0.95	-0.005399
ZAUS	1.19726	0.975	-0.003099
ZAUS	1.19726	1	0
ZAUS	1.19726	1.025	0.002674
ZAUS	1.19726	1.05	0.005508
ZAUS	1.19726	1.1	0.011574
ZAUS	1.19726	1.3	0.036786
ZAUS	1.252055	0.7	-0.0076
ZAUS	1.252055	0.9	-0.008326
ZAUS	1.252055	0.95	-0.005307
ZAUS	1.252055	0.975	-0.003035
ZAUS	1.252055	1	0
ZAUS	1.252055	1.025	0.002612
ZAUS	1.252055	1.05	0.005345
ZAUS	1.252055	1.1	0.011245
ZAUS	1.252055	1.3	0.035722
ZAUS	1.446575	0.7	-0.007521
ZAUS	1.446575	0.9	-0.007783
ZAUS	1.446575	0.95	-0.005058
ZAUS	1.446575	0.975	-0.002876
ZAUS	1.446575	1	0
ZAUS	1.446575	1.025	0.002338
ZAUS	1.446575	1.05	0.00488
ZAUS	1.446575	1.1	0.010335

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	1.446575	1.3	0.032954
ZAUS	1.50137	0.7	-0.0075
ZAUS	1.50137	0.9	-0.007631
ZAUS	1.50137	0.95	-0.004988
ZAUS	1.50137	0.975	-0.002831
ZAUS	1.50137	1	0
ZAUS	1.50137	1.025	0.002261
ZAUS	1.50137	1.05	0.004749
ZAUS	1.50137	1.1	0.010078
ZAUS	1.50137	1.3	0.032175
ZAUS	2.00274	0.7	-0.007922
ZAUS	2.00274	0.9	-0.006555
ZAUS	2.00274	0.95	-0.004491
ZAUS	2.00274	0.975	-0.002529
ZAUS	2.00274	1	0
ZAUS	2.00274	1.025	0.001913
ZAUS	2.00274	1.05	0.004028
ZAUS	2.00274	1.1	0.008459
ZAUS	2.00274	1.3	0.027287
ZAUS	3.010959	0.7	-0.005285
ZAUS	3.010959	0.9	-0.005202
ZAUS	3.010959	0.95	-0.003778
ZAUS	3.010959	0.975	-0.002211
ZAUS	3.010959	1	0
ZAUS	3.010959	1.025	0.001342
ZAUS	3.010959	1.05	0.002891
ZAUS	3.010959	1.1	0.006349
ZAUS	3.010959	1.3	0.021448
ZAUS	0.035616	1.1	0.074614
ZAUS	0.035616	1.3	0.074614
ZAUS	0.038356	0.7	-0.0124
ZAUS	0.038356	0.9	-0.0124
ZAUS	0.038356	0.95	-0.0124
ZAUS	0.038356	0.975	-0.013613
ZAUS	0.038356	1	0
ZAUS	0.038356	1.025	0.022602
ZAUS	0.038356	1.05	0.043397
ZAUS	0.038356	1.1	0.073
ZAUS	0.038356	1.3	0.073
ZAUS	0.046575	0.7	-0.0124
ZAUS	0.046575	0.9	-0.0124

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.046575	0.95	-0.01278
ZAUS	0.046575	0.975	-0.012923
ZAUS	0.046575	1	0
ZAUS	0.046575	1.025	0.020985
ZAUS	0.046575	1.05	0.040491
ZAUS	0.046575	1.1	0.069146
ZAUS	0.046575	1.3	0.071414
ZAUS	0.049315	0.7	-0.0124
ZAUS	0.049315	0.9	-0.0124
ZAUS	0.049315	0.95	-0.012907
ZAUS	0.049315	0.975	-0.012693
ZAUS	0.049315	1	0
ZAUS	0.049315	1.025	0.020446
ZAUS	0.049315	1.05	0.039522
ZAUS	0.049315	1.1	0.067862
ZAUS	0.049315	1.3	0.070885
ZAUS	0.057534	0.7	-0.0124
ZAUS	0.057534	0.9	-0.0124
ZAUS	0.057534	0.95	-0.013288
ZAUS	0.057534	0.975	-0.012003
ZAUS	0.057534	1	0
ZAUS	0.057534	1.025	0.018828
ZAUS	0.057534	1.05	0.036616
ZAUS	0.057534	1.1	0.064009
ZAUS	0.057534	1.3	0.0693
ZAUS	0.073973	0.7	-0.0142
ZAUS	0.073973	0.9	-0.0142
ZAUS	0.073973	0.95	-0.015417
ZAUS	0.073973	0.975	-0.011324
ZAUS	0.073973	1	0
ZAUS	0.073973	1.025	0.01651
ZAUS	0.073973	1.05	0.032391
ZAUS	0.073973	1.1	0.057782
ZAUS	0.073973	1.3	0.068519
ZAUS	0.076712	0.7	-0.014499
ZAUS	0.076712	0.9	-0.014499
ZAUS	0.076712	0.95	-0.015772
ZAUS	0.076712	0.975	-0.011211
ZAUS	0.076712	1	0
ZAUS	0.076712	1.025	0.016124
ZAUS	0.076712	1.05	0.031687

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.076712	1.1	0.056745
ZAUS	0.076712	1.3	0.06839
ZAUS	0.084932	0.7	-0.0154
ZAUS	0.084932	0.9	-0.0154
ZAUS	0.084932	0.95	-0.016837
ZAUS	0.084932	0.975	-0.010872
ZAUS	0.084932	1	0
ZAUS	0.084932	1.025	0.014965
ZAUS	0.084932	1.05	0.029575
ZAUS	0.084932	1.1	0.053632
ZAUS	0.084932	1.3	0.068
ZAUS	0.115068	0.7	-0.0156
ZAUS	0.115068	0.9	-0.0156
ZAUS	0.115068	0.95	-0.01646
ZAUS	0.115068	0.975	-0.009994
ZAUS	0.115068	1	0
ZAUS	0.115068	1.025	0.01292
ZAUS	0.115068	1.05	0.02586
ZAUS	0.115068	1.1	0.049166
ZAUS	0.115068	1.3	0.0699
ZAUS	0.161644	0.7	-0.013559
ZAUS	0.161644	0.9	-0.013559
ZAUS	0.161644	0.95	-0.014308
ZAUS	0.161644	0.975	-0.00866
ZAUS	0.161644	1	0
ZAUS	0.161644	1.025	0.01081
ZAUS	0.161644	1.05	0.021938
ZAUS	0.161644	1.1	0.042568
ZAUS	0.161644	1.3	0.07092
ZAUS	0.169863	0.7	-0.0132
ZAUS	0.169863	0.9	-0.0132
ZAUS	0.169863	0.95	-0.013928
ZAUS	0.169863	0.975	-0.008425
ZAUS	0.169863	1	0
ZAUS	0.169863	1.025	0.010438
ZAUS	0.169863	1.05	0.021246
ZAUS	0.169863	1.1	0.041404
ZAUS	0.169863	1.3	0.0711
ZAUS	0.2	0.7	-0.013309
ZAUS	0.2	0.9	-0.013571
ZAUS	0.2	0.95	-0.013232

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.2	0.975	-0.007918
ZAUS	0.2	1	0
ZAUS	0.2	1.025	0.009535
ZAUS	0.2	1.05	0.01948
ZAUS	0.2	1.1	0.038574
ZAUS	0.2	1.3	0.071026
ZAUS	0.252055	0.7	-0.0135
ZAUS	0.252055	0.9	-0.014212
ZAUS	0.252055	0.95	-0.012029
ZAUS	0.252055	0.975	-0.007044
ZAUS	0.252055	1	0
ZAUS	0.252055	1.025	0.007974
ZAUS	0.252055	1.05	0.01643
ZAUS	0.252055	1.1	0.033686
ZAUS	0.252055	1.3	0.0709
ZAUS	0.287671	0.7	-0.013066
ZAUS	0.287671	0.9	-0.014232
ZAUS	0.287671	0.95	-0.011234
ZAUS	0.287671	0.975	-0.006626
ZAUS	0.287671	1	0
ZAUS	0.287671	1.025	0.007338
ZAUS	0.287671	1.05	0.015197
ZAUS	0.287671	1.1	0.031253
ZAUS	0.287671	1.3	0.070584
ZAUS	0.306849	0.7	-0.012833
ZAUS	0.306849	0.9	-0.014244
ZAUS	0.306849	0.95	-0.010805
ZAUS	0.306849	0.975	-0.006401
ZAUS	0.306849	1	0
ZAUS	0.306849	1.025	0.006995
ZAUS	0.306849	1.05	0.014532
ZAUS	0.306849	1.1	0.029943
ZAUS	0.306849	1.3	0.070415
ZAUS	0.342466	0.7	-0.0124
ZAUS	0.342466	0.9	-0.014264
ZAUS	0.342466	0.95	-0.010009
ZAUS	0.342466	0.975	-0.005984
ZAUS	0.342466	1	0
ZAUS	0.342466	1.025	0.006359
ZAUS	0.342466	1.05	0.013299
ZAUS	0.342466	1.1	0.027509

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.342466	1.3	0.0701
ZAUS	0.364384	0.7	-0.012114
ZAUS	0.364384	0.9	-0.014183
ZAUS	0.364384	0.95	-0.009696
ZAUS	0.364384	0.975	-0.005807
ZAUS	0.364384	1	0
ZAUS	0.364384	1.025	0.006132
ZAUS	0.364384	1.05	0.012821
ZAUS	0.364384	1.1	0.026515
ZAUS	0.364384	1.3	0.06835
ZAUS	0.372603	0.7	-0.012007
ZAUS	0.372603	0.9	-0.014152
ZAUS	0.372603	0.95	-0.009579
ZAUS	0.372603	0.975	-0.005741
ZAUS	0.372603	1	0
ZAUS	0.372603	1.025	0.006046
ZAUS	0.372603	1.05	0.012642
ZAUS	0.372603	1.1	0.026142
ZAUS	0.372603	1.3	0.067694
ZAUS	0.383562	0.7	-0.011864
ZAUS	0.383562	0.9	-0.014111
ZAUS	0.383562	0.95	-0.009422
ZAUS	0.383562	0.975	-0.005653
ZAUS	0.383562	1	0
ZAUS	0.383562	1.025	0.005932
ZAUS	0.383562	1.05	0.012403
ZAUS	0.383562	1.1	0.025645
ZAUS	0.383562	1.3	0.066819
ZAUS	0.419178	0.7	-0.0114
ZAUS	0.419178	0.9	-0.013978
ZAUS	0.419178	0.95	-0.008913
ZAUS	0.419178	0.975	-0.005365
ZAUS	0.419178	1	0
ZAUS	0.419178	1.025	0.005562
ZAUS	0.419178	1.05	0.011626
ZAUS	0.419178	1.1	0.024029
ZAUS	0.419178	1.3	0.063976
ZAUS	0.421918	0.7	-0.011379
ZAUS	0.421918	0.9	-0.013943
ZAUS	0.421918	0.95	-0.008885
ZAUS	0.421918	0.975	-0.005348

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.421918	1	0
ZAUS	0.421918	1.025	0.005542
ZAUS	0.421918	1.05	0.011581
ZAUS	0.421918	1.1	0.023938
ZAUS	0.421918	1.3	0.063792
ZAUS	0.449315	0.7	-0.011172
ZAUS	0.449315	0.9	-0.01359
ZAUS	0.449315	0.95	-0.008607
ZAUS	0.449315	0.975	-0.005176
ZAUS	0.449315	1	0
ZAUS	0.449315	1.025	0.005343
ZAUS	0.449315	1.05	0.011129
ZAUS	0.449315	1.1	0.023024
ZAUS	0.449315	1.3	0.06196
ZAUS	0.460274	0.7	-0.011089
ZAUS	0.460274	0.9	-0.013449
ZAUS	0.460274	0.95	-0.008496
ZAUS	0.460274	0.975	-0.005108
ZAUS	0.460274	1	0
ZAUS	0.460274	1.025	0.005263
ZAUS	0.460274	1.05	0.010948
ZAUS	0.460274	1.1	0.022658
ZAUS	0.460274	1.3	0.061228
ZAUS	0.49863	0.7	-0.0108
ZAUS	0.49863	0.9	-0.012956
ZAUS	0.49863	0.95	-0.008107
ZAUS	0.49863	0.975	-0.004867
ZAUS	0.49863	1	0
ZAUS	0.49863	1.025	0.004983
ZAUS	0.49863	1.05	0.010315
ZAUS	0.49863	1.1	0.021378
ZAUS	0.49863	1.3	0.058663
ZAUS	0.547945	0.7	-0.010285
ZAUS	0.547945	0.9	-0.012459
ZAUS	0.547945	0.95	-0.007807
ZAUS	0.547945	0.975	-0.004663
ZAUS	0.547945	1	0
ZAUS	0.547945	1.025	0.004721
ZAUS	0.547945	1.05	0.009766
ZAUS	0.547945	1.1	0.020262
ZAUS	0.547945	1.3	0.056557

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAUS	0.632877	0.7	-0.009399
ZAUS	0.632877	0.9	-0.011604
ZAUS	0.632877	0.95	-0.007289
ZAUS	0.632877	0.975	-0.004312
ZAUS	0.632877	1	0
ZAUS	0.632877	1.025	0.004271
ZAUS	0.632877	1.05	0.00882
ZAUS	0.632877	1.1	0.018341
ZAUS	0.632877	1.3	0.052929
ZAUS	0.687671	0.7	-0.008828
ZAUS	0.687671	0.9	-0.011052
ZAUS	0.687671	0.95	-0.006955
ZAUS	0.687671	0.975	-0.004086
ZAUS	0.687671	1	0
ZAJY	3.010959	1.025	0.001328
ZAJY	0.00274	0.7	0.0142
ZAJY	3.010959	1.05	0.002861
ZAJY	0.00274	0.9	0.0142
ZAJY	3.010959	1.1	0.006216
ZAJY	0.00274	0.95	0.0142
ZAJY	3.010959	1.3	0.026066
ZAJY	0.00274	0.975	0.0142
ZAJY	0.00274	1	0
ZAJY	0.00274	1.025	0.085802
ZAJY	0.00274	1.05	0.150435
ZAJY	0.00274	1.1	0.1584
ZAJY	0.00274	1.3	0.1584
ZAJY	0.021918	0.7	0.0063
ZAJY	0.021918	0.9	0.0063
ZAJY	0.021918	0.95	0.0063
ZAJY	0.021918	0.975	-0.010665
ZAJY	0.021918	1	0
ZAJY	0.021918	1.025	0.048628
ZAJY	0.021918	1.05	0.090681
ZAJY	0.021918	1.1	0.1505
ZAJY	0.021918	1.3	0.1505
ZAJY	0.038356	0.7	0.0041
ZAJY	0.038356	0.9	0.0041
ZAJY	0.038356	0.95	0.000874
ZAJY	0.038356	0.975	-0.017001
ZAJY	0.038356	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAJY	0.038356	1.025	0.034786
ZAJY	0.038356	1.05	0.065834
ZAJY	0.038356	1.1	0.116841
ZAJY	0.038356	1.3	0.1443
ZAJY	0.057534	0.7	0.0017
ZAJY	0.057534	0.9	0.0017
ZAJY	0.057534	0.95	-0.007728
ZAJY	0.057534	0.975	-0.0177
ZAJY	0.057534	1	0
ZAJY	0.057534	1.025	0.026966
ZAJY	0.057534	1.05	0.053308
ZAJY	0.057534	1.1	0.096056
ZAJY	0.057534	1.3	0.1382
ZAJY	0.084932	0.7	-0.001
ZAJY	0.084932	0.9	-0.001
ZAJY	0.084932	0.95	-0.013898
ZAJY	0.084932	0.975	-0.016623
ZAJY	0.084932	1	0
ZAJY	0.084932	1.025	0.020966
ZAJY	0.084932	1.05	0.041548
ZAJY	0.084932	1.1	0.077649
ZAJY	0.084932	1.3	0.1291
ZAJY	0.115068	0.7	-0.0011
ZAJY	0.115068	0.9	-0.0011
ZAJY	0.115068	0.95	-0.015662
ZAJY	0.115068	0.975	-0.015356
ZAJY	0.115068	1	0
ZAJY	0.115068	1.025	0.018847
ZAJY	0.115068	1.05	0.036777
ZAJY	0.115068	1.1	0.068499
ZAJY	0.115068	1.3	0.1257
ZAJY	0.169863	0.7	-0.0009
ZAJY	0.169863	0.9	-0.001738
ZAJY	0.169863	0.95	-0.016663
ZAJY	0.169863	0.975	-0.013022
ZAJY	0.169863	1	0
ZAJY	0.169863	1.025	0.014835
ZAJY	0.169863	1.05	0.029145
ZAJY	0.169863	1.1	0.056228
ZAJY	0.169863	1.3	0.1193
ZAJY	0.2	0.7	0.001043

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAJY	0.2	0.9	-0.002559
ZAJY	0.2	0.95	-0.016068
ZAJY	0.2	0.975	-0.012206
ZAJY	0.2	1	0
ZAJY	0.2	1.025	0.013601
ZAJY	0.2	1.05	0.026821
ZAJY	0.2	1.1	0.05221
ZAJY	0.2	1.3	0.117499
ZAJY	0.252055	0.7	0.0044
ZAJY	0.252055	0.9	-0.003976
ZAJY	0.252055	0.95	-0.015039
ZAJY	0.252055	0.975	-0.010797
ZAJY	0.252055	1	0
ZAJY	0.252055	1.025	0.01147
ZAJY	0.252055	1.05	0.022807
ZAJY	0.252055	1.1	0.04527
ZAJY	0.252055	1.3	0.114388
ZAJY	0.342466	0.7	0.0044
ZAJY	0.342466	0.9	-0.007986
ZAJY	0.342466	0.95	-0.013499
ZAJY	0.342466	0.975	-0.008743
ZAJY	0.342466	1	0
ZAJY	0.342466	1.025	0.009171
ZAJY	0.342466	1.05	0.018471
ZAJY	0.342466	1.1	0.03653
ZAJY	0.342466	1.3	0.095935
ZAJY	0.419178	0.7	0.0049
ZAJY	0.419178	0.9	-0.009502
ZAJY	0.419178	0.95	-0.012174
ZAJY	0.419178	0.975	-0.00748
ZAJY	0.419178	1	0
ZAJY	0.419178	1.025	0.007939
ZAJY	0.419178	1.05	0.015787
ZAJY	0.419178	1.1	0.031407
ZAJY	0.419178	1.3	0.084501
ZAJY	0.449315	0.7	0.005317
ZAJY	0.449315	0.9	-0.009476
ZAJY	0.449315	0.95	-0.011607
ZAJY	0.449315	0.975	-0.007141
ZAJY	0.449315	1	0
ZAJY	0.449315	1.025	0.007405

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAJY	0.449315	1.05	0.014854
ZAJY	0.449315	1.1	0.029726
ZAJY	0.449315	1.3	0.080927
ZAJY	0.49863	0.7	0.006
ZAJY	0.49863	0.9	-0.009433
ZAJY	0.49863	0.95	-0.010679
ZAJY	0.49863	0.975	-0.006587
ZAJY	0.49863	1	0
ZAJY	0.49863	1.025	0.006532
ZAJY	0.49863	1.05	0.013327
ZAJY	0.49863	1.1	0.026975
ZAJY	0.49863	1.3	0.075077
ZAJY	0.747945	0.7	0.0218
ZAJY	0.747945	0.9	-0.006982
ZAJY	0.747945	0.95	-0.007874
ZAJY	0.747945	0.975	-0.004675
ZAJY	0.747945	1	0
ZAJY	0.747945	1.025	0.004506
ZAJY	0.747945	1.05	0.009328
ZAJY	0.747945	1.1	0.01918
ZAJY	0.747945	1.3	0.059679
ZAJY	1	0.7	0.047672
ZAJY	1	0.9	-0.00401
ZAJY	1	0.95	-0.005778
ZAJY	1	0.975	-0.003463
ZAJY	1	1	0
ZAJY	1	1.025	0.003208
ZAJY	1	1.05	0.006706
ZAJY	1	1.1	0.014178
ZAJY	1	1.3	0.051127
ZAJY	1.252055	0.7	0.050217
ZAJY	1.252055	0.9	-0.003543
ZAJY	1.252055	0.95	-0.005088
ZAJY	1.252055	0.975	-0.003099
ZAJY	1.252055	1	0
ZAJY	1.252055	1.025	0.00263
ZAJY	1.252055	1.05	0.005592
ZAJY	1.252055	1.1	0.012012
ZAJY	1.252055	1.3	0.046037
ZAJY	1.50137	0.7	0.052075
ZAJY	1.50137	0.9	-0.003538

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAJY	1.50137	0.95	-0.004537
ZAJY	1.50137	0.975	-0.002735
ZAJY	1.50137	1	0
ZAJY	1.50137	1.025	0.002274
ZAJY	1.50137	1.05	0.004819
ZAJY	1.50137	1.1	0.010337
ZAJY	1.50137	1.3	0.042041
ZAJY	2.00274	0.7	0.054978
ZAJY	2.00274	0.9	-0.003262
ZAJY	2.00274	0.95	-0.003654
ZAJY	2.00274	0.975	-0.00224
ZAJY	2.00274	1	0
ZAJY	2.00274	1.025	0.001737
ZAJY	2.00274	1.05	0.003757
ZAJY	2.00274	1.1	0.00822
ZAJY	2.00274	1.3	0.035794
ZAJY	3.010959	0.7	0.044971
ZAJY	3.010959	0.9	-0.003403
ZAJY	3.010959	0.95	-0.003034
ZAJY	3.010959	0.975	-0.001816
ZAJY	3.010959	1	0
ZAHK	0.169863	1.025	0.009473
ZAHK	0.419178	1.1	0.020531
ZAHK	0.169863	1.05	0.018988
ZAHK	0.419178	1.3	0.054794
ZAHK	0.169863	1.1	0.035988
ZAHK	0.49863	0.7	-0.0001
ZAHK	0.169863	1.3	0.0624
ZAHK	0.49863	0.9	-0.006327
ZAHK	0.252055	0.7	-0.0105
ZAHK	0.49863	0.95	-0.007256
ZAHK	0.252055	0.9	-0.011593
ZAHK	0.49863	0.975	-0.004508
ZAHK	0.252055	0.95	-0.010736
ZAHK	0.49863	1	0
ZAHK	0.252055	0.975	-0.006619
ZAHK	0.49863	1.025	0.004479
ZAHK	0.252055	1	0
ZAHK	0.49863	1.05	0.009505
ZAHK	0.252055	1.025	0.00738
ZAHK	0.49863	1.1	0.017997

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAHK	0.252055	1.05	0.015174
ZAHK	0.49863	1.3	0.047042
ZAHK	0.252055	1.1	0.03037
ZAHK	0.747945	0.7	0.0092
ZAHK	0.252055	1.3	0.0649
ZAHK	0.747945	0.9	-0.005442
ZAHK	0.347945	0.7	-0.0071
ZAHK	0.747945	0.95	-0.006294
ZAHK	0.347945	0.9	-0.009955
ZAHK	0.747945	0.975	-0.003715
ZAHK	0.347945	0.95	-0.008952
ZAHK	0.747945	1	0
ZAHK	0.347945	0.975	-0.005625
ZAHK	0.747945	1.025	0.003522
ZAHK	0.347945	1	0
ZAHK	0.747945	1.05	0.007397
ZAHK	0.347945	1.025	0.00594
ZAHK	0.747945	1.1	0.01499
ZAHK	0.347945	1.05	0.012399
ZAHK	0.747945	1.3	0.03695
ZAHK	0.347945	1.1	0.024082
ZAHK	1	0.7	0.0198
ZAHK	0.347945	1.3	0.0605
ZAHK	1	0.9	-0.005215
ZAHK	0.419178	0.7	-0.0036
ZAHK	1	0.95	-0.005753
ZAHK	0.419178	0.9	-0.00799
ZAHK	1	0.975	-0.003334
ZAHK	0.419178	0.95	-0.007838
ZAHK	1	1	0
ZAHK	0.419178	0.975	-0.005007
ZAHK	1	1.025	0.002997
ZAHK	0.419178	1	0
ZAHK	1	1.05	0.006191
ZAHK	0.419178	1.025	0.005174
ZAHK	1	1.1	0.013103
ZAHK	0.419178	1.05	0.0108
ZAHK	1	1.3	0.030592
ZAHK	1.252055	0.7	0.020338
ZAHK	1.252055	0.9	-0.006194
ZAHK	1.252055	0.95	-0.005623

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAHK	1.252055	0.975	-0.003243
ZAHK	1.252055	1	0
ZAHK	1.252055	1.025	0.002671
ZAHK	1.252055	1.05	0.005618
ZAHK	1.252055	1.1	0.011888
ZAHK	1.252055	1.3	0.028412
ZAHK	1.50137	0.7	0.017097
ZAHK	1.50137	0.9	-0.00684
ZAHK	1.50137	0.95	-0.005553
ZAHK	1.50137	0.975	-0.00318
ZAHK	1.50137	1	0
ZAHK	1.50137	1.025	0.002499
ZAHK	1.50137	1.05	0.005196
ZAHK	1.50137	1.1	0.011006
ZAHK	1.50137	1.3	0.027029
ZAHK	2.00274	0.7	0.01221
ZAHK	2.00274	0.9	-0.007869
ZAHK	2.00274	0.95	-0.005692
ZAHK	2.00274	0.975	-0.003217
ZAHK	2.00274	1	0
ZAHK	2.00274	1.025	0.002236
ZAHK	2.00274	1.05	0.004753
ZAHK	2.00274	1.1	0.009902
ZAHK	2.00274	1.3	0.025851
ZAHK	3.010959	0.7	0.005283
ZAHK	3.010959	0.9	-0.008982
ZAHK	3.010959	0.95	-0.005811
ZAHK	3.010959	0.975	-0.003284
ZAHK	3.010959	1	0
ZAHK	3.010959	1.025	0.001907
ZAHK	3.010959	1.05	0.004002
ZAHK	3.010959	1.1	0.008354
ZAHK	3.010959	1.3	0.024183
ZAHK	0.00274	0.7	-0.0009
ZAHK	0.00274	0.9	-0.0009
ZAHK	0.00274	0.95	-0.0009
ZAHK	0.00274	0.975	-0.0009
ZAHK	0.00274	1	0
ZAHK	0.00274	1.025	0.047844
ZAHK	0.00274	1.05	0.0643
ZAHK	0.00274	1.1	0.0643

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAHK	0.00274	1.3	0.0643
ZAHK	0.019178	0.7	-0.0034
ZAHK	0.019178	0.9	-0.0034
ZAHK	0.019178	0.95	-0.0034
ZAHK	0.019178	0.975	-0.009364
ZAHK	0.019178	1	0
ZAHK	0.019178	1.025	0.024973
ZAHK	0.019178	1.05	0.047536
ZAHK	0.019178	1.1	0.0629
ZAHK	0.019178	1.3	0.0629
ZAHK	0.041096	0.7	-0.0039
ZAHK	0.041096	0.9	-0.0039
ZAHK	0.041096	0.95	-0.004978
ZAHK	0.041096	0.975	-0.010219
ZAHK	0.041096	1	0
ZAHK	0.041096	1.025	0.019488
ZAHK	0.041096	1.05	0.035563
ZAHK	0.041096	1.1	0.0616
ZAHK	0.041096	1.3	0.0616
ZAHK	0.057534	0.7	-0.0045
ZAHK	0.057534	0.9	-0.0045
ZAHK	0.057534	0.95	-0.007655
ZAHK	0.057534	0.975	-0.010248
ZAHK	0.057534	1	0
ZAHK	0.057534	1.025	0.016716
ZAHK	0.057534	1.05	0.029867
ZAHK	0.057534	1.1	0.05603
ZAHK	0.057534	1.3	0.0604
ZAHK	0.084932	0.7	-0.0057
ZAHK	0.084932	0.9	-0.0057
ZAHK	0.084932	0.95	-0.010181
ZAHK	0.084932	0.975	-0.009994
ZAHK	0.084932	1	0
ZAHK	0.084932	1.025	0.013603
ZAHK	0.084932	1.05	0.024816
ZAHK	0.084932	1.1	0.045492
ZAHK	0.084932	1.3	0.0591
ZAHK	0.115068	0.7	-0.0067
ZAHK	0.115068	0.9	-0.0067
ZAHK	0.115068	0.95	-0.010928
ZAHK	0.115068	0.975	-0.009463

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAHK	0.115068	1	0
ZAHK	0.115068	1.025	0.011759
ZAHK	0.115068	1.05	0.022379
ZAHK	0.115068	1.1	0.041367
ZAHK	0.115068	1.3	0.0601
ZAHK	0.169863	0.7	-0.0086
ZAHK	0.169863	0.9	-0.0086
ZAHK	0.169863	0.95	-0.011489
ZAHK	0.169863	0.975	-0.008059
ZAHK	0.169863	1	0
ZAGB	0.00274	0.7	0.0113
ZAGB	0.00274	1.1	0.0578
ZAGB	0.00274	0.9	0.0113
ZAGB	0.00274	1.3	0.0578
ZAGB	0.00274	0.95	0.0113
ZAGB	0.019178	0.7	0.0098
ZAGB	0.00274	0.975	0.0113
ZAGB	0.019178	0.9	0.0098
ZAGB	0.00274	1	0
ZAGB	0.019178	0.95	0.0098
ZAGB	0.00274	1.025	0.045863
ZAGB	0.019178	0.975	0.00196
ZAGB	0.00274	1.05	0.0578
ZAGB	0.019178	1	0
ZAGB	0.019178	1.025	0.023878
ZAGB	0.019178	1.05	0.052031
ZAGB	0.019178	1.1	0.0556
ZAGB	0.019178	1.3	0.0556
ZAGB	0.038356	0.7	0.0068
ZAGB	0.038356	0.9	0.0068
ZAGB	0.038356	0.95	0.0068
ZAGB	0.038356	0.975	-0.002131
ZAGB	0.038356	1	0
ZAGB	0.038356	1.025	0.016915
ZAGB	0.038356	1.05	0.035153
ZAGB	0.038356	1.1	0.0541
ZAGB	0.038356	1.3	0.0541
ZAGB	0.057534	0.7	0.0049
ZAGB	0.057534	0.9	0.0049
ZAGB	0.057534	0.95	0.002634
ZAGB	0.057534	0.975	-0.003178

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAGB	0.057534	1	0
ZAGB	0.057534	1.025	0.013558
ZAGB	0.057534	1.05	0.027565
ZAGB	0.057534	1.1	0.0521
ZAGB	0.057534	1.3	0.0521
ZAGB	0.084932	0.7	0.003
ZAGB	0.084932	0.9	0.003
ZAGB	0.084932	0.95	-0.001198
ZAGB	0.084932	0.975	-0.003569
ZAGB	0.084932	1	0
ZAGB	0.084932	1.025	0.010729
ZAGB	0.084932	1.05	0.021424
ZAGB	0.084932	1.1	0.04447
ZAGB	0.084932	1.3	0.0494
ZAGB	0.115068	0.7	0.003
ZAGB	0.115068	0.9	0.003
ZAGB	0.115068	0.95	-0.002178
ZAGB	0.115068	0.975	-0.0034
ZAGB	0.115068	1	0
ZAGB	0.115068	1.025	0.009227
ZAGB	0.115068	1.05	0.018538
ZAGB	0.115068	1.1	0.03833
ZAGB	0.115068	1.3	0.0487
ZAGB	0.169863	0.7	0.0034
ZAGB	0.169863	0.9	0.0034
ZAGB	0.169863	0.95	-0.002488
ZAGB	0.169863	0.975	-0.003092
ZAGB	0.169863	1	0
ZAGB	0.169863	1.025	0.0071
ZAGB	0.169863	1.05	0.014769
ZAGB	0.169863	1.1	0.030144
ZAGB	0.169863	1.3	0.0472
ZAGB	0.2	0.7	0.003986
ZAGB	0.2	0.9	0.00323
ZAGB	0.2	0.95	-0.002356
ZAGB	0.2	0.975	-0.002875
ZAGB	0.2	1	0
ZAGB	0.2	1.025	0.006391
ZAGB	0.2	1.05	0.013487
ZAGB	0.2	1.1	0.027445
ZAGB	0.2	1.3	0.04665

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAGB	0.252055	0.7	0.005
ZAGB	0.252055	0.9	0.002937
ZAGB	0.252055	0.95	-0.002126
ZAGB	0.252055	0.975	-0.0025
ZAGB	0.252055	1	0
ZAGB	0.252055	1.025	0.005167
ZAGB	0.252055	1.05	0.011273
ZAGB	0.252055	1.1	0.022781
ZAGB	0.252055	1.3	0.0457
ZAGB	0.342466	0.7	0.0076
ZAGB	0.342466	0.9	0.002171
ZAGB	0.342466	0.95	-0.001666
ZAGB	0.342466	0.975	-0.002051
ZAGB	0.342466	1	0
ZAGB	0.342466	1.025	0.003996
ZAGB	0.342466	1.05	0.009002
ZAGB	0.342466	1.1	0.018355
ZAGB	0.342466	1.3	0.0458
ZAGB	0.419178	0.7	0.0104
ZAGB	0.419178	0.9	0.002182
ZAGB	0.419178	0.95	-0.001251
ZAGB	0.419178	0.975	-0.001718
ZAGB	0.419178	1	0
ZAGB	0.419178	1.025	0.003305
ZAGB	0.419178	1.05	0.007635
ZAGB	0.419178	1.1	0.015804
ZAGB	0.419178	1.3	0.0461
ZAGB	0.449315	0.7	0.011575
ZAGB	0.449315	0.9	0.002338
ZAGB	0.449315	0.95	-0.001116
ZAGB	0.449315	0.975	-0.001627
ZAGB	0.449315	1	0
ZAGB	0.449315	1.025	0.00311
ZAGB	0.449315	1.05	0.007197
ZAGB	0.449315	1.1	0.015067
ZAGB	0.449315	1.3	0.046251
ZAGB	0.49863	0.7	0.0135
ZAGB	0.49863	0.9	0.002593
ZAGB	0.49863	0.95	-0.000894
ZAGB	0.49863	0.975	-0.001479
ZAGB	0.49863	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAGB	0.49863	1.025	0.002791
ZAGB	0.49863	1.05	0.006479
ZAGB	0.49863	1.1	0.01386
ZAGB	0.49863	1.3	0.0465
ZAGB	0.69863	0.7	0.019115
ZAGB	0.69863	0.9	0.002579
ZAGB	0.69863	0.95	-0.000677
ZAGB	0.69863	0.975	-0.001124
ZAGB	0.69863	1	0
ZAGB	0.69863	1.025	0.002045
ZAGB	0.69863	1.05	0.004864
ZAGB	0.69863	1.1	0.010972
ZAGB	0.69863	1.3	0.037724
ZAGB	0.747945	0.7	0.0205
ZAGB	0.747945	0.9	0.002576
ZAGB	0.747945	0.95	-0.000623
ZAGB	0.747945	0.975	-0.001036
ZAGB	0.747945	1	0
ZAGB	0.747945	1.025	0.001861
ZAGB	0.747945	1.05	0.004466
ZAGB	0.747945	1.1	0.01026
ZAGB	0.747945	1.3	0.03556
ZAGB	1	0.7	0.0273
ZAGB	1	0.9	0.002562
ZAGB	1	0.95	-0.000449
ZAGB	1	0.975	-0.0008
ZAGB	1	1	0
ZAGB	1	1.025	0.001318
ZAGB	1	1.05	0.003176
ZAGB	1	1.1	0.007901
ZAGB	1	1.3	0.0272
ZAGB	1.252055	0.7	0.029644
ZAGB	1.252055	0.9	0.002252
ZAGB	1.252055	0.95	-0.000447
ZAGB	1.252055	0.975	-0.00067
ZAGB	1.252055	1	0
ZAGB	1.252055	1.025	0.001211
ZAGB	1.252055	1.05	0.002757
ZAGB	1.252055	1.1	0.006928
ZAGB	1.252055	1.3	0.023434
ZAGB	1.50137	0.7	0.02728

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAGB	1.50137	0.9	0.001946
ZAGB	1.50137	0.95	-0.000474
ZAGB	1.50137	0.975	-0.000644
ZAGB	1.50137	1	0
ZAGB	1.50137	1.025	0.00107
ZAGB	1.50137	1.05	0.002431
ZAGB	1.50137	1.1	0.006076
ZAGB	1.50137	1.3	0.021155
ZAGB	2.00274	0.7	0.024037
ZAGB	2.00274	0.9	0.001688
ZAGB	2.00274	0.95	-0.000418
ZAGB	2.00274	0.975	-0.000511
ZAGB	2.00274	1	0
ZAGB	2.00274	1.025	0.000797
ZAGB	2.00274	1.05	0.001921
ZAGB	2.00274	1.1	0.004929
ZAGB	2.00274	1.3	0.018127
ZAGB	3.010959	0.7	0.020535
ZAGB	3.010959	0.9	0.001771
ZAGB	3.010959	0.95	-0.000238
ZAGB	3.010959	0.975	-0.000439
ZAGB	3.010959	1	0
ZAGB	3.010959	1.025	0.000542
ZAGB	3.010959	1.05	0.001358
ZAGB	3.010959	1.1	0.003503
ZAGB	3.010959	1.3	0.014759
ZAEU	0.947945	0.975	-0.003377
ZAEU	1.50137	1.025	0.002354
ZAEU	0.947945	1	0
ZAEU	1.50137	1.05	0.005014
ZAEU	0.947945	1.025	0.003326
ZAEU	1.50137	1.1	0.01059
ZAEU	0.947945	1.05	0.006912
ZAEU	1.50137	1.3	0.0345
ZAEU	0.947945	1.1	0.014629
ZAEU	2.00274	0.7	0.013569
ZAEU	0.947945	1.3	0.045526
ZAEU	2.00274	0.9	-0.0055
ZAEU	1	0.7	0.0106
ZAEU	2.00274	0.95	-0.004263
ZAEU	1	0.9	-0.005871

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAEU	2.00274	0.975	-0.002471
ZAEU	1	0.95	-0.005463
ZAEU	2.00274	1	0
ZAEU	1	0.975	-0.003257
ZAEU	2.00274	1.025	0.001932
ZAEU	1	1	0
ZAEU	2.00274	1.05	0.004022
ZAEU	1	1.025	0.003186
ZAEU	2.00274	1.1	0.008757
ZAEU	1	1.05	0.006602
ZAEU	2.00274	1.3	0.028786
ZAEU	1	1.1	0.014062
ZAEU	3.010959	0.7	0.010592
ZAEU	1	1.3	0.045019
ZAEU	3.010959	0.9	-0.004771
ZAEU	1.252055	0.7	0.0128
ZAEU	3.010959	0.95	-0.00355
ZAEU	1.252055	0.9	-0.005848
ZAEU	3.010959	0.975	-0.00206
ZAEU	1.252055	0.95	-0.004916
ZAEU	3.010959	1	0
ZAEU	1.252055	0.975	-0.002959
ZAEU	3.010959	1.025	0.001572
ZAEU	1.252055	1	0
ZAEU	3.010959	1.05	0.003204
ZAEU	1.252055	1.025	0.002737
ZAEU	3.010959	1.1	0.006818
ZAEU	1.252055	1.05	0.005711
ZAEU	3.010959	1.3	0.022788
ZAEU	1.252055	1.1	0.012069
ZAEU	0.00274	0.7	0.0015
ZAEU	1.252055	1.3	0.038859
ZAEU	0.00274	0.9	0.0015
ZAEU	1.50137	0.7	0.0149
ZAEU	0.00274	0.95	0.0015
ZAEU	1.50137	0.9	-0.005783
ZAEU	0.00274	0.975	0.0015
ZAEU	1.50137	0.95	-0.004631
ZAEU	0.00274	1	0
ZAEU	1.50137	0.975	-0.002741
ZAEU	0.00274	1.025	0.047875

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAEU	1.50137	1	0
ZAEU	0.00274	1.05	0.0555
ZAEU	0.00274	1.1	0.0555
ZAEU	0.00274	1.3	0.0555
ZAEU	0.019178	0.7	-0.0065
ZAEU	0.019178	0.9	-0.0065
ZAEU	0.019178	0.95	-0.0065
ZAEU	0.019178	0.975	-0.008588
ZAEU	0.019178	1	0
ZAEU	0.019178	1.025	0.031612
ZAEU	0.019178	1.05	0.057648
ZAEU	0.019178	1.1	0.0627
ZAEU	0.019178	1.3	0.0627
ZAEU	0.038356	0.7	-0.0064
ZAEU	0.038356	0.9	-0.0064
ZAEU	0.038356	0.95	-0.0064
ZAEU	0.038356	0.975	-0.01004
ZAEU	0.038356	1	0
ZAEU	0.038356	1.025	0.022919
ZAEU	0.038356	1.05	0.042982
ZAEU	0.038356	1.1	0.0621
ZAEU	0.038356	1.3	0.0621
ZAEU	0.057534	0.7	-0.0067
ZAEU	0.057534	0.9	-0.0067
ZAEU	0.057534	0.95	-0.006714
ZAEU	0.057534	0.975	-0.010093
ZAEU	0.057534	1	0
ZAEU	0.057534	1.025	0.019462
ZAEU	0.057534	1.05	0.036619
ZAEU	0.057534	1.1	0.0624
ZAEU	0.057534	1.3	0.0624
ZAEU	0.084932	0.7	-0.007
ZAEU	0.084932	0.9	-0.007
ZAEU	0.084932	0.95	-0.009035
ZAEU	0.084932	0.975	-0.009545
ZAEU	0.084932	1	0
ZAEU	0.084932	1.025	0.016057
ZAEU	0.084932	1.05	0.030191
ZAEU	0.084932	1.1	0.053771
ZAEU	0.084932	1.3	0.0623
ZAEU	0.115068	0.7	-0.0073

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAEU	0.115068	0.9	-0.0073
ZAEU	0.115068	0.95	-0.010205
ZAEU	0.115068	0.975	-0.009069
ZAEU	0.115068	1	0
ZAEU	0.115068	1.025	0.014094
ZAEU	0.115068	1.05	0.026702
ZAEU	0.115068	1.1	0.048228
ZAEU	0.115068	1.3	0.0615
ZAEU	0.169863	0.7	-0.0078
ZAEU	0.169863	0.9	-0.0078
ZAEU	0.169863	0.95	-0.010553
ZAEU	0.169863	0.975	-0.008102
ZAEU	0.169863	1	0
ZAEU	0.169863	1.025	0.0113
ZAEU	0.169863	1.05	0.021995
ZAEU	0.169863	1.1	0.040706
ZAEU	0.169863	1.3	0.0594
ZAEU	0.2	0.7	-0.007946
ZAEU	0.2	0.9	-0.007946
ZAEU	0.2	0.95	-0.010164
ZAEU	0.2	0.975	-0.007566
ZAEU	0.2	1	0
ZAEU	0.2	1.025	0.010304
ZAEU	0.2	1.05	0.020279
ZAEU	0.2	1.1	0.037517
ZAEU	0.2	1.3	0.058006
ZAEU	0.252055	0.7	-0.0082
ZAEU	0.252055	0.9	-0.0082
ZAEU	0.252055	0.95	-0.009492
ZAEU	0.252055	0.975	-0.00664
ZAEU	0.252055	1	0
ZAEU	0.252055	1.025	0.008583
ZAEU	0.252055	1.05	0.017314
ZAEU	0.252055	1.1	0.03201
ZAEU	0.252055	1.3	0.0556
ZAEU	0.342466	0.7	-0.0097
ZAEU	0.342466	0.9	-0.010221
ZAEU	0.342466	0.95	-0.008729
ZAEU	0.342466	0.975	-0.005769
ZAEU	0.342466	1	0
ZAEU	0.342466	1.025	0.006995

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAEU	0.342466	1.05	0.014332
ZAEU	0.342466	1.1	0.026805
ZAEU	0.342466	1.3	0.0528
ZAEU	0.419178	0.7	-0.0109
ZAEU	0.419178	0.9	-0.011297
ZAEU	0.419178	0.95	-0.00819
ZAEU	0.419178	0.975	-0.005257
ZAEU	0.419178	1	0
ZAEU	0.419178	1.025	0.006062
ZAEU	0.419178	1.05	0.012607
ZAEU	0.419178	1.1	0.023784
ZAEU	0.419178	1.3	0.0505
ZAEU	0.449315	0.7	-0.011468
ZAEU	0.449315	0.9	-0.011649
ZAEU	0.449315	0.95	-0.008027
ZAEU	0.449315	0.975	-0.005128
ZAEU	0.449315	1	0
ZAEU	0.449315	1.025	0.005796
ZAEU	0.449315	1.05	0.012046
ZAEU	0.449315	1.1	0.022916
ZAEU	0.449315	1.3	0.049665
ZAEU	0.49863	0.7	-0.0124
ZAEU	0.49863	0.9	-0.012224
ZAEU	0.49863	0.95	-0.007759
ZAEU	0.49863	0.975	-0.004918
ZAEU	0.49863	1	0
ZAEU	0.49863	1.025	0.00536
ZAEU	0.49863	1.05	0.011128
ZAEU	0.49863	1.1	0.021496
ZAEU	0.49863	1.3	0.0483
ZAEU	0.69863	0.7	-0.004297
ZAEU	0.69863	0.9	-0.008732
ZAEU	0.69863	0.95	-0.006526
ZAEU	0.69863	0.975	-0.00405
ZAEU	0.69863	1	0
ZAEU	0.69863	1.025	0.00416
ZAEU	0.69863	1.05	0.008701
ZAEU	0.69863	1.1	0.017734
ZAEU	0.69863	1.3	0.047636
ZAEU	0.747945	0.7	-0.0023
ZAEU	0.747945	0.9	-0.007871

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAEU	0.747945	0.95	-0.006223
ZAEU	0.747945	0.975	-0.003836
ZAEU	0.747945	1	0
ZAEU	0.747945	1.025	0.003864
ZAEU	0.747945	1.05	0.008103
ZAEU	0.747945	1.1	0.016806
ZAEU	0.747945	1.3	0.047473
ZAEU	0.947945	0.7	0.007935
ZAEU	0.947945	0.9	-0.006284
ZAEU	0.947945	0.95	-0.00562
ZACR	0	0.7	0.022
ZACR	0.413699	1.1	0.020064
ZACR	0	0.9	0.022
ZACR	0.413699	1.3	0.064633
ZACR	0	0.95	0.022
ZACR	0.49863	0.7	0.0223
ZACR	0	0.975	0.022
ZACR	0.49863	0.9	0.000073
ZACR	0	1	0
ZACR	0.49863	0.95	-0.00519
ZACR	0	1.025	0.049937
ZACR	0.49863	0.975	-0.003641
ZACR	0	1.05	0.0704
ZACR	0.49863	1	0
ZACR	0	1.1	0.0704
ZACR	0.49863	1.025	0.004229
ZACR	0	1.3	0.0704
ZACR	0.49863	1.05	0.008911
ZACR	0.010959	0.7	0.0205
ZACR	0.49863	1.1	0.01838
ZACR	0.010959	0.9	0.0205
ZACR	0.49863	1.3	0.060634
ZACR	0.010959	0.95	0.0205
ZACR	0.747945	0.7	0.0191
ZACR	0.010959	0.975	0.000017
ZACR	0.747945	0.9	-0.003022
ZACR	0.010959	1	0
ZACR	0.747945	0.95	-0.004971
ZACR	0.010959	1.025	0.021696
ZACR	0.747945	0.975	-0.003174
ZACR	0.010959	1.05	0.049151

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACR	0.747945	1	0
ZACR	0.010959	1.1	0.0701
ZACR	0.747945	1.025	0.003225
ZACR	0.010959	1.3	0.0701
ZACR	0.747945	1.05	0.006958
ZACR	0.032877	0.7	0.0191
ZACR	0.747945	1.1	0.014673
ZACR	0.032877	0.9	0.0191
ZACR	0.747945	1.3	0.047461
ZACR	0.032877	0.95	0.011401
ZACR	1.008219	0.7	0.0159
ZACR	0.032877	0.975	-0.003521
ZACR	1.008219	0.9	-0.004242
ZACR	0.032877	1	0
ZACR	1.008219	0.95	-0.004511
ZACR	0.032877	1.025	0.016508
ZACR	1.008219	0.975	-0.002893
ZACR	0.032877	1.05	0.03394
ZACR	1.008219	1	0
ZACR	0.032877	1.1	0.0689
ZACR	1.008219	1.025	0.002699
ZACR	0.032877	1.3	0.0689
ZACR	1.008219	1.05	0.005736
ZACR	0.049315	0.7	0.0176
ZACR	1.008219	1.1	0.012503
ZACR	0.049315	0.9	0.0176
ZACR	1.008219	1.3	0.040242
ZACR	0.049315	0.95	0.005195
ZACR	1.254795	0.7	0.0156
ZACR	0.049315	0.975	-0.004986
ZACR	1.254795	0.9	-0.004295
ZACR	0.049315	1	0
ZACR	1.254795	0.95	-0.004152
ZACR	0.049315	1.025	0.013995
ZACR	1.254795	0.975	-0.002574
ZACR	0.049315	1.05	0.02747
ZACR	1.254795	1	0
ZACR	0.049315	1.1	0.06146
ZACR	1.254795	1.025	0.002388
ZACR	0.049315	1.3	0.0675
ZACR	1.254795	1.05	0.005115

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACR	0.084932	0.7	0.0147
ZACR	1.254795	1.1	0.011038
ZACR	0.084932	0.9	0.0147
ZACR	1.254795	1.3	0.034807
ZACR	0.084932	0.95	-0.000456
ZACR	1.50411	0.7	0.0149
ZACR	0.084932	0.975	-0.005944
ZACR	1.50411	0.9	-0.00434
ZACR	0.084932	1	0
ZACR	1.50411	0.95	-0.003856
ZACR	0.084932	1.025	0.011352
ZACR	1.50411	0.975	-0.002395
ZACR	0.084932	1.05	0.02157
ZACR	1.50411	1	0
ZACR	0.084932	1.1	0.04603
ZACR	1.50411	1.025	0.002119
ZACR	0.084932	1.3	0.0649
ZACR	1.50411	1.05	0.004508
ZACR	0.115068	0.7	0.0125
ZACR	1.50411	1.1	0.009732
ZACR	0.115068	0.9	0.0125
ZACR	1.50411	1.3	0.030723
ZACR	0.115068	0.95	-0.002328
ZACR	2.005479	0.7	0.00921
ZACR	0.115068	0.975	-0.005965
ZACR	2.005479	0.9	-0.004005
ZACR	0.115068	1	0
ZACR	2.005479	0.95	-0.003501
ZACR	0.115068	1.025	0.01015
ZACR	2.005479	0.975	-0.002167
ZACR	0.115068	1.05	0.019426
ZACR	2.005479	1	0
ZACR	0.115068	1.1	0.040157
ZACR	2.005479	1.025	0.001681
ZACR	0.115068	1.3	0.063
ZACR	2.005479	1.05	0.003705
ZACR	0.167123	0.7	0.0057
ZACR	2.005479	1.1	0.008131
ZACR	0.167123	0.9	0.004562
ZACR	2.005479	1.3	0.025595
ZACR	0.167123	0.95	-0.00509

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZACR	3.00274	0.7	0.009666
ZACR	0.167123	0.975	-0.005626
ZACR	3.00274	0.9	-0.002826
ZACR	0.167123	1	0
ZACR	3.00274	0.95	-0.002703
ZACR	3.00274	0.975	-0.001655
ZACR	3.00274	1	0
ZACR	3.00274	1.025	0.001255
ZACR	3.00274	1.05	0.002746
ZACR	3.00274	1.1	0.006006
ZACR	3.00274	1.3	0.020494
ZACR	0.167123	1.025	0.007896
ZACR	0.167123	1.05	0.015801
ZACR	0.167123	1.1	0.0303
ZACR	0.167123	1.3	0.0563
ZACR	0.257534	0.7	0.0007
ZACR	0.257534	0.9	-0.00196
ZACR	0.257534	0.95	-0.006
ZACR	0.257534	0.975	-0.004861
ZACR	0.257534	1	0
ZACR	0.257534	1.025	0.00628
ZACR	0.257534	1.05	0.013095
ZACR	0.257534	1.1	0.024305
ZACR	0.257534	1.3	0.0511
ZACR	0.356164	0.7	0.0093
ZACR	0.356164	0.9	-0.000809
ZACR	0.356164	0.95	-0.005548
ZACR	0.356164	0.975	-0.004291
ZACR	0.356164	1	0
ZACR	0.356164	1.025	0.005209
ZACR	0.356164	1.05	0.011081
ZACR	0.356164	1.1	0.021397
ZACR	0.356164	1.3	0.0623
ZACR	0.413699	0.7	0.0148
ZACR	0.413699	0.9	-0.000202
ZACR	0.413699	0.95	-0.005421
ZACR	0.413699	0.975	-0.003997
ZACR	0.413699	1	0
ZACR	0.413699	1.025	0.004767
ZACR	0.413699	1.05	0.010118
ZAAD	0	0.7	0.0171

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAAD	0	0.9	0.0171
ZAAD	0	0.95	0.0171
ZAAD	0	0.975	0.0171
ZAAD	0	1	0
ZAAD	0	1.025	0.051524
ZAAD	0	1.05	0.0559
ZAAD	0	1.1	0.0559
ZAAD	0	1.3	0.0559
ZAAD	0.016438	0.7	0.0154
ZAAD	0.016438	0.9	0.0154
ZAAD	0.016438	0.95	0.0154
ZAAD	0.016438	0.975	0.004009
ZAAD	0.016438	1	0
ZAAD	0.016438	1.025	0.021861
ZAAD	0.016438	1.05	0.050452
ZAAD	0.016438	1.1	0.0549
ZAAD	0.016438	1.3	0.0549
ZAAD	0.035616	0.7	0.012
ZAAD	0.035616	0.9	0.012
ZAAD	0.035616	0.95	0.012
ZAAD	0.035616	0.975	-0.000028
ZAAD	0.035616	1	0
ZAAD	0.035616	1.025	0.016033
ZAAD	0.035616	1.05	0.034704
ZAAD	0.035616	1.1	0.0541
ZAAD	0.035616	1.3	0.0541
ZAAD	0.054795	0.7	0.0094
ZAAD	0.054795	0.9	0.0094
ZAAD	0.054795	0.95	0.006071
ZAAD	0.054795	0.975	-0.001557
ZAAD	0.054795	1	0
ZAAD	0.054795	1.025	0.013201
ZAAD	0.054795	1.05	0.02738
ZAAD	0.054795	1.1	0.0528
ZAAD	0.054795	1.3	0.0528
ZAAD	0.090411	0.7	0.0065
ZAAD	0.090411	0.9	0.0065
ZAAD	0.090411	0.95	0.000888
ZAAD	0.090411	0.975	-0.002605
ZAAD	0.090411	1	0
ZAAD	0.090411	1.025	0.010441

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAAD	0.090411	1.05	0.021191
ZAAD	0.090411	1.1	0.045018
ZAAD	0.090411	1.3	0.0506
ZAAD	0.115068	0.7	0.0064
ZAAD	0.115068	0.9	0.0064
ZAAD	0.115068	0.95	-0.000247
ZAAD	0.115068	0.975	-0.002525
ZAAD	0.115068	1	0
ZAAD	0.115068	1.025	0.009342
ZAAD	0.115068	1.05	0.018851
ZAAD	0.115068	1.1	0.039858
ZAAD	0.115068	1.3	0.05
ZAAD	0.167123	0.7	0.0067
ZAAD	0.167123	0.9	0.0067
ZAAD	0.167123	0.95	-0.000859
ZAAD	0.167123	0.975	-0.002381
ZAAD	0.167123	1	0
ZAAD	0.167123	1.025	0.007338
ZAAD	0.167123	1.05	0.015201
ZAAD	0.167123	1.1	0.031664
ZAAD	0.167123	1.3	0.0487
ZAAD	0.2	0.7	0.00728
ZAAD	0.2	0.9	0.006606
ZAAD	0.2	0.95	-0.000866
ZAAD	0.2	0.975	-0.002257
ZAAD	0.2	1	0
ZAAD	0.2	1.025	0.006623
ZAAD	0.2	1.05	0.013961
ZAAD	0.2	1.1	0.02895
ZAAD	0.2	1.3	0.048196
ZAAD	0.252055	0.7	0.0082
ZAAD	0.252055	0.9	0.006458
ZAAD	0.252055	0.95	-0.000878
ZAAD	0.252055	0.975	-0.002062
ZAAD	0.252055	1	0
ZAAD	0.252055	1.025	0.00549
ZAAD	0.252055	1.05	0.011998
ZAAD	0.252055	1.1	0.024652
ZAAD	0.252055	1.3	0.0474
ZAAD	0.339726	0.7	0.0102
ZAAD	0.339726	0.9	0.005017

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAAD	0.339726	0.95	-0.000754
ZAAD	0.339726	0.975	-0.001782
ZAAD	0.339726	1	0
ZAAD	0.339726	1.025	0.004386
ZAAD	0.339726	1.05	0.009894
ZAAD	0.339726	1.1	0.020208
ZAAD	0.339726	1.3	0.0474
ZAAD	0.416438	0.7	0.0124
ZAAD	0.416438	0.9	0.004224
ZAAD	0.416438	0.95	-0.000645
ZAAD	0.416438	0.975	-0.0016
ZAAD	0.416438	1	0
ZAAD	0.416438	1.025	0.003628
ZAAD	0.416438	1.05	0.008504
ZAAD	0.416438	1.1	0.017401
ZAAD	0.416438	1.3	0.0475
ZAAD	0.49863	0.7	0.0152
ZAAD	0.49863	0.9	0.004081
ZAAD	0.49863	0.95	-0.000433
ZAAD	0.49863	0.975	-0.001383
ZAAD	0.49863	1	0
ZAAD	0.49863	1.025	0.003138
ZAAD	0.49863	1.05	0.007358
ZAAD	0.49863	1.1	0.0153
ZAAD	0.49863	1.3	0.0479
ZAAD	0.747945	0.7	0.021
ZAAD	0.747945	0.9	0.003351
ZAAD	0.747945	0.95	-0.000484
ZAAD	0.747945	0.975	-0.001159
ZAAD	0.747945	1	0
ZAAD	0.747945	1.025	0.002129
ZAAD	0.747945	1.05	0.005225
ZAAD	0.747945	1.1	0.011634
ZAAD	0.747945	1.3	0.040223
ZAAD	1	0.7	0.0267
ZAAD	1	0.9	0.00322
ZAAD	1	0.95	-0.00041
ZAAD	1	0.975	-0.000926
ZAAD	1	1	0
ZAAD	1	1.025	0.00165
ZAAD	1	1.05	0.004034

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ZAAD	1	1.1	0.009466
ZAAD	1	1.3	0.032157
ZAAD	1.252055	0.7	0.0299
ZAAD	1.252055	0.9	0.002928
ZAAD	1.252055	0.95	-0.000441
ZAAD	1.252055	0.975	-0.0008
ZAAD	1.252055	1	0
ZAAD	1.252055	1.025	0.001421
ZAAD	1.252055	1.05	0.003377
ZAAD	1.252055	1.1	0.008467
ZAAD	1.252055	1.3	0.028171
ZAAD	1.50137	0.7	0.03206
ZAAD	1.50137	0.9	0.002811
ZAAD	1.50137	0.95	-0.000396
ZAAD	1.50137	0.975	-0.000773
ZAAD	1.50137	1	0
ZAAD	1.50137	1.025	0.001262
ZAAD	1.50137	1.05	0.003026
ZAAD	1.50137	1.1	0.007584
ZAAD	1.50137	1.3	0.025616
ZAAD	2.010959	0.7	0.029389
ZAAD	2.010959	0.9	0.002656
ZAAD	2.010959	0.95	-0.000271
ZAAD	2.010959	0.975	-0.000641
ZAAD	2.010959	1	0
ZAAD	2.010959	1.025	0.000976
ZAAD	2.010959	1.05	0.002413
ZAAD	2.010959	1.1	0.006227
ZAAD	2.010959	1.3	0.022213
ZAAD	3.008219	0.7	0.026528
ZAAD	3.008219	0.9	0.003045
ZAAD	3.008219	0.95	0.00016
ZAAD	3.008219	0.975	-0.0003
ZAAD	3.008219	1	0
ZAAD	3.008219	1.025	0.000628
ZAAD	3.008219	1.05	0.001577
ZAAD	3.008219	1.1	0.004438
ZAAD	3.008219	1.3	0.017823
ALSI Vol Surface	1.20274	1.025	-0.0035
ALSI Vol Surface	1.972603	1.1	-0.0111
ALSI Vol Surface	1.20274	1.05	-0.007

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ALSI Vol Surface	1.972603	1.3	-0.0308
ALSI Vol Surface	1.20274	1.1	-0.0136
ALSI Vol Surface	2.221918	0.7	0.0414
ALSI Vol Surface	1.20274	1.3	-0.0349
ALSI Vol Surface	2.221918	0.9	0.0119
ALSI Vol Surface	1.454795	0.7	0.0486
ALSI Vol Surface	2.221918	0.95	0.0058
ALSI Vol Surface	1.454795	0.9	0.0135
ALSI Vol Surface	2.221918	0.975	0.0028
ALSI Vol Surface	1.454795	0.95	0.0066
ALSI Vol Surface	2.221918	1	0
ALSI Vol Surface	1.454795	0.975	0.0033
ALSI Vol Surface	2.221918	1.025	-0.0028
ALSI Vol Surface	1.454795	1	0
ALSI Vol Surface	2.221918	1.05	-0.0056
ALSI Vol Surface	1.454795	1.025	-0.0033
ALSI Vol Surface	2.221918	1.1	-0.0106
ALSI Vol Surface	1.454795	1.05	-0.0064
ALSI Vol Surface	2.221918	1.3	-0.0298
ALSI Vol Surface	1.454795	1.1	-0.0129
ALSI Vol Surface	0	0.7	0.1807
ALSI Vol Surface	1.454795	1.3	-0.0336
ALSI Vol Surface	0	0.9	0.0527
ALSI Vol Surface	1.70411	0.7	0.0457
ALSI Vol Surface	0	0.95	0.0218
ALSI Vol Surface	1.70411	0.9	0.013
ALSI Vol Surface	0	0.975	0.0101
ALSI Vol Surface	1.70411	0.95	0.0063
ALSI Vol Surface	0	1	0
ALSI Vol Surface	1.70411	0.975	0.0031
ALSI Vol Surface	0	1.025	-0.0101
ALSI Vol Surface	1.70411	1	0
ALSI Vol Surface	0	1.05	-0.0187
ALSI Vol Surface	1.70411	1.025	-0.0029
ALSI Vol Surface	0	1.1	-0.0244
ALSI Vol Surface	1.70411	1.05	-0.006
ALSI Vol Surface	0	1.3	-0.0298
ALSI Vol Surface	1.70411	1.1	-0.0118
ALSI Vol Surface	0.035616	0.7	0.1807
ALSI Vol Surface	1.70411	1.3	-0.0322
ALSI Vol Surface	0.035616	0.9	0.0527

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ALSI Vol Surface	1.972603	0.7	0.0432
ALSI Vol Surface	0.035616	0.95	0.0218
ALSI Vol Surface	1.972603	0.9	0.0123
ALSI Vol Surface	0.035616	0.975	0.0101
ALSI Vol Surface	1.972603	0.95	0.006
ALSI Vol Surface	0.035616	1	0
ALSI Vol Surface	1.972603	0.975	0.0029
ALSI Vol Surface	0.035616	1.025	-0.0101
ALSI Vol Surface	1.972603	1	0
ALSI Vol Surface	0.035616	1.05	-0.0187
ALSI Vol Surface	1.972603	1.025	-0.0029
ALSI Vol Surface	0.035616	1.1	-0.0244
ALSI Vol Surface	1.972603	1.05	-0.0058
ALSI Vol Surface	0.035616	1.3	-0.0298
ALSI Vol Surface	0.131507	0.7	0.1115
ALSI Vol Surface	0.131507	0.9	0.0308
ALSI Vol Surface	0.131507	0.95	0.0143
ALSI Vol Surface	0.131507	0.975	0.0068
ALSI Vol Surface	0.131507	1	0
ALSI Vol Surface	0.131507	1.025	-0.0063
ALSI Vol Surface	0.131507	1.05	-0.0119
ALSI Vol Surface	0.131507	1.1	-0.0207
ALSI Vol Surface	0.131507	1.3	-0.0431
ALSI Vol Surface	0.208219	0.7	0.0945
ALSI Vol Surface	0.208219	0.9	0.0257
ALSI Vol Surface	0.208219	0.95	0.0121
ALSI Vol Surface	0.208219	0.975	0.0059
ALSI Vol Surface	0.208219	1	0
ALSI Vol Surface	0.208219	1.025	-0.0055
ALSI Vol Surface	0.208219	1.05	-0.0107
ALSI Vol Surface	0.208219	1.1	-0.0194
ALSI Vol Surface	0.208219	1.3	-0.0434
ALSI Vol Surface	0.30411	0.7	0.0837
ALSI Vol Surface	0.30411	0.9	0.0223
ALSI Vol Surface	0.30411	0.95	0.0103
ALSI Vol Surface	0.30411	0.975	0.0051
ALSI Vol Surface	0.30411	1	0
ALSI Vol Surface	0.30411	1.025	-0.0051
ALSI Vol Surface	0.30411	1.05	-0.0102
ALSI Vol Surface	0.30411	1.1	-0.0185
ALSI Vol Surface	0.30411	1.3	-0.0424

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ALSI Vol Surface	0.380822	0.7	0.0781
ALSI Vol Surface	0.380822	0.9	0.0206
ALSI Vol Surface	0.380822	0.95	0.0093
ALSI Vol Surface	0.380822	0.975	0.0046
ALSI Vol Surface	0.380822	1	0
ALSI Vol Surface	0.380822	1.025	-0.0049
ALSI Vol Surface	0.380822	1.05	-0.0099
ALSI Vol Surface	0.380822	1.1	-0.0181
ALSI Vol Surface	0.380822	1.3	-0.0422
ALSI Vol Surface	0.457534	0.7	0.0727
ALSI Vol Surface	0.457534	0.9	0.0196
ALSI Vol Surface	0.457534	0.95	0.0092
ALSI Vol Surface	0.457534	0.975	0.0046
ALSI Vol Surface	0.457534	1	0
ALSI Vol Surface	0.457534	1.025	-0.0047
ALSI Vol Surface	0.457534	1.05	-0.0092
ALSI Vol Surface	0.457534	1.1	-0.0173
ALSI Vol Surface	0.457534	1.3	-0.0404
ALSI Vol Surface	0.534247	0.7	0.0692
ALSI Vol Surface	0.534247	0.9	0.0191
ALSI Vol Surface	0.534247	0.95	0.0093
ALSI Vol Surface	0.534247	0.975	0.0047
ALSI Vol Surface	0.534247	1	0
ALSI Vol Surface	0.534247	1.025	-0.0045
ALSI Vol Surface	0.534247	1.05	-0.0085
ALSI Vol Surface	0.534247	1.1	-0.0166
ALSI Vol Surface	0.534247	1.3	-0.0395
ALSI Vol Surface	0.630137	0.7	0.066
ALSI Vol Surface	0.630137	0.9	0.0186
ALSI Vol Surface	0.630137	0.95	0.0094
ALSI Vol Surface	0.630137	0.975	0.0047
ALSI Vol Surface	0.630137	1	0
ALSI Vol Surface	0.630137	1.025	-0.0043
ALSI Vol Surface	0.630137	1.05	-0.0078
ALSI Vol Surface	0.630137	1.1	-0.0159
ALSI Vol Surface	0.630137	1.3	-0.0386
ALSI Vol Surface	0.706849	0.7	0.0631
ALSI Vol Surface	0.706849	0.9	0.0177
ALSI Vol Surface	0.706849	0.95	0.0088
ALSI Vol Surface	0.706849	0.975	0.0044
ALSI Vol Surface	0.706849	1	0

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

ALSI Vol Surface	0.706849	1.025	-0.0042
ALSI Vol Surface	0.706849	1.05	-0.0078
ALSI Vol Surface	0.706849	1.1	-0.0154
ALSI Vol Surface	0.706849	1.3	-0.0382
ALSI Vol Surface	0.783562	0.7	0.0605
ALSI Vol Surface	0.783562	0.9	0.0169
ALSI Vol Surface	0.783562	0.95	0.0081
ALSI Vol Surface	0.783562	0.975	0.004
ALSI Vol Surface	0.783562	1	0
ALSI Vol Surface	0.783562	1.025	-0.004
ALSI Vol Surface	0.783562	1.05	-0.0079
ALSI Vol Surface	0.783562	1.1	-0.015
ALSI Vol Surface	0.783562	1.3	-0.0378
ALSI Vol Surface	0.879452	0.7	0.0579
ALSI Vol Surface	0.879452	0.9	0.0161
ALSI Vol Surface	0.879452	0.95	0.0076
ALSI Vol Surface	0.879452	0.975	0.0038
ALSI Vol Surface	0.879452	1	0
ALSI Vol Surface	0.879452	1.025	-0.0038
ALSI Vol Surface	0.879452	1.05	-0.0078
ALSI Vol Surface	0.879452	1.1	-0.0146
ALSI Vol Surface	0.879452	1.3	-0.0371
ALSI Vol Surface	0.956164	0.7	0.0562
ALSI Vol Surface	0.956164	0.9	0.0156
ALSI Vol Surface	0.956164	0.95	0.0072
ALSI Vol Surface	0.956164	0.975	0.0036
ALSI Vol Surface	0.956164	1	0
ALSI Vol Surface	0.956164	1.025	-0.0037
ALSI Vol Surface	0.956164	1.05	-0.0078
ALSI Vol Surface	0.956164	1.1	-0.0143
ALSI Vol Surface	0.956164	1.3	-0.0367
ALSI Vol Surface	1.20274	0.7	0.0517
ALSI Vol Surface	1.20274	0.9	0.0143
ALSI Vol Surface	1.20274	0.95	0.0068
ALSI Vol Surface	1.20274	0.975	0.0034
ALSI Vol Surface	1.20274	1	0
World Vol Surface	0.134247	1.025	-0.016
World Vol Surface	0.460274	1.1	-0.0314
World Vol Surface	0.134247	1.05	-0.0249
World Vol Surface	0.460274	1.3	-0.0182
World Vol Surface	0.134247	1.1	-0.0225

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

World Vol Surface	0.706849	0.7	0.1352
World Vol Surface	0.134247	1.3	0.0585
World Vol Surface	0.706849	0.9	0.0414
World Vol Surface	0.210959	0.7	0.2383
World Vol Surface	0.706849	0.95	0.0201
World Vol Surface	0.210959	0.9	0.0723
World Vol Surface	0.706849	0.975	0.0098
World Vol Surface	0.210959	0.95	0.0336
World Vol Surface	0.706849	1	0
World Vol Surface	0.210959	0.975	0.0159
World Vol Surface	0.706849	1.025	-0.0091
World Vol Surface	0.210959	1	0
World Vol Surface	0.706849	1.05	-0.0173
World Vol Surface	0.210959	1.025	-0.0131
World Vol Surface	0.706849	1.1	-0.0303
World Vol Surface	0.210959	1.05	-0.0227
World Vol Surface	0.706849	1.3	-0.0376
World Vol Surface	0.210959	1.1	-0.029
World Vol Surface	0.958904	0.7	0.1133
World Vol Surface	0.210959	1.3	0.0326
World Vol Surface	0.958904	0.9	0.0351
World Vol Surface	0.287671	0.7	0.2124
World Vol Surface	0.958904	0.95	0.0172
World Vol Surface	0.287671	0.9	0.0636
World Vol Surface	0.958904	0.975	0.0084
World Vol Surface	0.287671	0.95	0.0296
World Vol Surface	0.958904	1	0
World Vol Surface	0.287671	0.975	0.014
World Vol Surface	0.958904	1.025	-0.0081
World Vol Surface	0.287671	1	0
World Vol Surface	0.958904	1.05	-0.0156
World Vol Surface	0.287671	1.025	-0.012
World Vol Surface	0.958904	1.1	-0.0284
World Vol Surface	0.287671	1.05	-0.0214
World Vol Surface	0.958904	1.3	-0.0449
World Vol Surface	0.287671	1.1	-0.0307
World Vol Surface	1.208219	0.7	0.0989
World Vol Surface	0.287671	1.3	0.0088
World Vol Surface	1.208219	0.9	0.0309
World Vol Surface	0.460274	0.7	0.1701
World Vol Surface	1.208219	0.95	0.0152

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

World Vol Surface	0.460274	0.9	0.051
World Vol Surface	1.208219	0.975	0.0075
World Vol Surface	0.460274	0.95	0.0241
World Vol Surface	1.208219	1	0
World Vol Surface	0.460274	0.975	0.0115
World Vol Surface	1.208219	1.025	-0.0072
World Vol Surface	0.460274	1	0
World Vol Surface	1.208219	1.05	-0.014
World Vol Surface	0.460274	1.025	-0.0104
World Vol Surface	1.208219	1.1	-0.0261
World Vol Surface	0.460274	1.05	-0.0192
World Vol Surface	1.208219	1.3	-0.0471
World Vol Surface	0	1.1	0.0456
World Vol Surface	1.30411	0.7	0.095
World Vol Surface	0	1.3	0.2061
World Vol Surface	1.30411	0.9	0.0296
World Vol Surface	0.038356	0.7	0.4578
World Vol Surface	1.30411	0.95	0.0145
World Vol Surface	0.038356	0.9	0.1315
World Vol Surface	1.30411	0.975	0.0071
World Vol Surface	0.038356	0.95	0.0585
World Vol Surface	1.30411	1	0
World Vol Surface	0.038356	0.975	0.0277
World Vol Surface	1.30411	1.025	-0.0069
World Vol Surface	0.038356	1	0
World Vol Surface	1.30411	1.05	-0.0134
World Vol Surface	0.038356	1.025	-0.0193
World Vol Surface	1.30411	1.1	-0.0251
World Vol Surface	0.038356	1.05	-0.0165
World Vol Surface	1.30411	1.3	-0.0469
World Vol Surface	0.038356	1.1	0.0456
World Vol Surface	1.706849	0.7	0.0818
World Vol Surface	0.038356	1.3	0.2061
World Vol Surface	1.706849	0.9	0.0255
World Vol Surface	0.134247	0.7	0.28
World Vol Surface	1.706849	0.95	0.0124
World Vol Surface	0.134247	0.9	0.0846
World Vol Surface	1.706849	0.975	0.0061
World Vol Surface	0.134247	0.95	0.0412
World Vol Surface	1.706849	1	0
World Vol Surface	0.134247	0.975	0.02

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

World Vol Surface	1.706849	1.025	-0.006
World Vol Surface	0.134247	1	0
World Vol Surface	1.706849	1.05	-0.0117
World Vol Surface	0	0.7	0.4578
World Vol Surface	1.706849	1.1	-0.0222
World Vol Surface	0	0.9	0.1315
World Vol Surface	1.706849	1.3	-0.0473
World Vol Surface	0	0.95	0.0585
World Vol Surface	2.205479	0.7	0.0702
World Vol Surface	0	0.975	0.0277
World Vol Surface	2.205479	0.9	0.0221
World Vol Surface	0	1	0
World Vol Surface	2.205479	0.95	0.0109
World Vol Surface	0	1.025	-0.0193
World Vol Surface	2.205479	0.975	0.0054
World Vol Surface	0	1.05	-0.0165
World Vol Surface	2.205479	1	0
World Vol Surface	2.205479	1.025	-0.0052
World Vol Surface	2.205479	1.05	-0.0102
World Vol Surface	2.205479	1.1	-0.0195
World Vol Surface	2.205479	1.3	-0.0456
World Vol Surface	3.221918	0.7	0.0547
World Vol Surface	3.221918	0.9	0.0177
World Vol Surface	3.221918	0.95	0.0088
World Vol Surface	3.221918	0.975	0.0044
World Vol Surface	3.221918	1	0
World Vol Surface	3.221918	1.025	-0.0043
World Vol Surface	3.221918	1.05	-0.0085
World Vol Surface	3.221918	1.1	-0.0167
World Vol Surface	3.221918	1.3	-0.0424
World Vol Surface	4.219178	0.7	0.0452
World Vol Surface	4.219178	0.9	0.014
World Vol Surface	4.219178	0.95	0.0071
World Vol Surface	4.219178	0.975	0.0036
World Vol Surface	4.219178	1	0
World Vol Surface	4.219178	1.025	-0.0036
World Vol Surface	4.219178	1.05	-0.0072
World Vol Surface	4.219178	1.1	-0.0145
World Vol Surface	4.219178	1.3	-0.0393
World Vol Surface	5.216438	0.7	0.0367
World Vol Surface	5.216438	0.9	0.0113

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

World Vol Surface	5.216438	0.95	0.0057
World Vol Surface	5.216438	0.975	0.0028
World Vol Surface	5.216438	1	0
World Vol Surface	5.216438	1.025	-0.0029
World Vol Surface	5.216438	1.05	-0.0057
World Vol Surface	5.216438	1.1	-0.0115
World Vol Surface	5.216438	1.3	-0.0359
World Vol Surface	6.213699	0.7	0.0334
World Vol Surface	6.213699	0.9	0.0103
World Vol Surface	6.213699	0.95	0.0051
World Vol Surface	6.213699	0.975	0.0025
World Vol Surface	6.213699	1	0
World Vol Surface	6.213699	1.025	-0.0025
World Vol Surface	6.213699	1.05	-0.005
World Vol Surface	6.213699	1.1	-0.0099
World Vol Surface	6.213699	1.3	-0.0315
World Vol Surface	7.210959	0.7	0.0301
World Vol Surface	7.210959	0.9	0.0089
World Vol Surface	7.210959	0.95	0.0044
World Vol Surface	7.210959	0.975	0.0022
World Vol Surface	7.210959	1	0
World Vol Surface	7.210959	1.025	-0.0022
World Vol Surface	7.210959	1.05	-0.0044
World Vol Surface	7.210959	1.1	-0.0088
World Vol Surface	7.210959	1.3	-0.0278
World Vol Surface	8.208219	0.7	0.0267
World Vol Surface	8.208219	0.9	0.0076
World Vol Surface	8.208219	0.95	0.0037
World Vol Surface	8.208219	0.975	0.0019
World Vol Surface	8.208219	1	0
World Vol Surface	8.208219	1.025	-0.0018
World Vol Surface	8.208219	1.05	-0.0036
World Vol Surface	8.208219	1.1	-0.0074
World Vol Surface	8.208219	1.3	-0.0238
SSF Vol Surface	0.783562	1.05	-0.0044
SSF Vol Surface	0.035616	0.9	0.0453
SSF Vol Surface	0.783562	1.1	-0.0071
SSF Vol Surface	0.035616	0.95	0.0205
SSF Vol Surface	0.783562	1.3	-0.0109
SSF Vol Surface	0.035616	1	0
SSF Vol Surface	0.783562	1.5	-0.0127

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SSF Vol Surface	0.035616	1.05	-0.005
SSF Vol Surface	0.879452	0.5	0.1045
SSF Vol Surface	0.035616	1.1	-0.0026
SSF Vol Surface	0.879452	0.7	0.0556
SSF Vol Surface	0.035616	1.3	0.0082
SSF Vol Surface	0.879452	0.9	0.0165
SSF Vol Surface	0.035616	1.5	0.0164
SSF Vol Surface	0.879452	0.95	0.008
SSF Vol Surface	0.131507	0.5	0.1865
SSF Vol Surface	0.879452	1	0
SSF Vol Surface	0.131507	0.7	0.1049
SSF Vol Surface	0.879452	1.05	-0.0043
SSF Vol Surface	0.131507	0.9	0.0357
SSF Vol Surface	0.879452	1.1	-0.0071
SSF Vol Surface	0.131507	0.95	0.0168
SSF Vol Surface	0.879452	1.3	-0.0113
SSF Vol Surface	0.131507	1	0
SSF Vol Surface	0.879452	1.5	-0.0131
SSF Vol Surface	0.131507	1.05	-0.0052
SSF Vol Surface	0.956164	0.5	0.1021
SSF Vol Surface	0.131507	1.1	-0.0046
SSF Vol Surface	0.956164	0.7	0.0541
SSF Vol Surface	0.131507	1.3	-0.0012
SSF Vol Surface	0.956164	0.9	0.016
SSF Vol Surface	0.131507	1.5	0.0017
SSF Vol Surface	0.956164	0.95	0.0077
SSF Vol Surface	0.208219	0.5	0.1526
SSF Vol Surface	0.956164	1	0
SSF Vol Surface	0.208219	0.7	0.0843
SSF Vol Surface	0.956164	1.05	-0.0042
SSF Vol Surface	0.208219	0.9	0.0281
SSF Vol Surface	0.956164	1.1	-0.007
SSF Vol Surface	0.208219	0.95	0.0138
SSF Vol Surface	0.956164	1.3	-0.0115
SSF Vol Surface	0.208219	1	0
SSF Vol Surface	0.956164	1.5	-0.0134
SSF Vol Surface	0.208219	1.05	-0.0053
SSF Vol Surface	1.20274	0.5	0.1017
SSF Vol Surface	0.208219	1.1	-0.0054
SSF Vol Surface	1.20274	0.7	0.0536
SSF Vol Surface	0.208219	1.3	-0.0036

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SSF Vol Surface	1.20274	0.9	0.0157
SSF Vol Surface	0.208219	1.5	-0.0024
SSF Vol Surface	1.20274	0.95	0.0076
SSF Vol Surface	0.30411	0.5	0.1367
SSF Vol Surface	1.20274	1	0
SSF Vol Surface	0.30411	0.7	0.0744
SSF Vol Surface	1.20274	1.05	-0.0043
SSF Vol Surface	0.30411	0.9	0.0238
SSF Vol Surface	0.534247	1	0
SSF Vol Surface	0.534247	1.05	-0.0048
SSF Vol Surface	0.534247	1.1	-0.0069
SSF Vol Surface	0.534247	1.3	-0.0093
SSF Vol Surface	0.534247	1.5	-0.01
SSF Vol Surface	0.630137	0.5	0.1158
SSF Vol Surface	0.630137	0.7	0.0623
SSF Vol Surface	0.630137	0.9	0.0188
SSF Vol Surface	0.630137	0.95	0.0091
SSF Vol Surface	0.630137	1	0
SSF Vol Surface	0.630137	1.05	-0.0047
SSF Vol Surface	0.630137	1.1	-0.0071
SSF Vol Surface	0.630137	1.3	-0.0102
SSF Vol Surface	0.630137	1.5	-0.0114
SSF Vol Surface	0.706849	0.5	0.1118
SSF Vol Surface	0.706849	0.7	0.0602
SSF Vol Surface	0.706849	0.9	0.0181
SSF Vol Surface	0.706849	0.95	0.0087
SSF Vol Surface	0.706849	1	0
SSF Vol Surface	0.706849	1.05	-0.0047
SSF Vol Surface	0.706849	1.1	-0.0072
SSF Vol Surface	0.706849	1.3	-0.0106
SSF Vol Surface	0.706849	1.5	-0.0122
SSF Vol Surface	0.783562	0.5	0.1082
SSF Vol Surface	0.783562	0.7	0.0579
SSF Vol Surface	0.783562	0.9	0.0173
SSF Vol Surface	0.783562	0.95	0.0084
SSF Vol Surface	0.783562	1	0
SSF Vol Surface	0.30411	0.95	0.0116
SSF Vol Surface	0.30411	1	0
SSF Vol Surface	0.30411	1.05	-0.005
SSF Vol Surface	0.30411	1.1	-0.0062
SSF Vol Surface	0.30411	1.3	-0.0064

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SSF Vol Surface	0.30411	1.5	-0.006
SSF Vol Surface	0.380822	0.5	0.1295
SSF Vol Surface	0.380822	0.7	0.07
SSF Vol Surface	0.380822	0.9	0.0219
SSF Vol Surface	0.380822	0.95	0.0106
SSF Vol Surface	0.380822	1	0
SSF Vol Surface	0.380822	1.05	-0.0048
SSF Vol Surface	0.380822	1.1	-0.0065
SSF Vol Surface	0.380822	1.3	-0.0076
SSF Vol Surface	0.380822	1.5	-0.0076
SSF Vol Surface	0.457534	0.5	0.1247
SSF Vol Surface	0.457534	0.7	0.067
SSF Vol Surface	0.457534	0.9	0.0206
SSF Vol Surface	0.457534	0.95	0.01
SSF Vol Surface	0.457534	1	0
SSF Vol Surface	0.457534	1.05	-0.0048
SSF Vol Surface	0.457534	1.1	-0.0067
SSF Vol Surface	0.457534	1.3	-0.0085
SSF Vol Surface	0.457534	1.5	-0.0087
SSF Vol Surface	0.534247	0.5	0.1202
SSF Vol Surface	0.534247	0.7	0.0646
SSF Vol Surface	0.534247	0.9	0.0197
SSF Vol Surface	0.534247	0.95	0.0095
SSF Vol Surface	0	0.5	0.2444
SSF Vol Surface	0	0.7	0.1345
SSF Vol Surface	0	0.9	0.0453
SSF Vol Surface	0	0.95	0.0205
SSF Vol Surface	0	1	0
SSF Vol Surface	0	1.05	-0.005
SSF Vol Surface	0	1.1	-0.0026
SSF Vol Surface	0	1.3	0.0082
SSF Vol Surface	0	1.5	0.0164
SSF Vol Surface	0.035616	0.5	0.2444
SSF Vol Surface	0.035616	0.7	0.1345
SSF Vol Surface	1.20274	1.1	-0.0079
SSF Vol Surface	1.20274	1.3	-0.0145
SSF Vol Surface	1.20274	1.5	-0.0181
SSF Vol Surface	1.454795	0.5	0.0977
SSF Vol Surface	1.454795	0.7	0.0514
SSF Vol Surface	1.454795	0.9	0.0151
SSF Vol Surface	1.454795	0.95	0.0073

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain

SSF Vol Surface	1.454795	1	0
SSF Vol Surface	1.454795	1.05	-0.0043
SSF Vol Surface	1.454795	1.1	-0.0081
SSF Vol Surface	1.454795	1.3	-0.0161
SSF Vol Surface	1.454795	1.5	-0.0207
SSF Vol Surface	1.70411	0.5	0.0958
SSF Vol Surface	1.70411	0.7	0.0504
SSF Vol Surface	1.70411	0.9	0.0149
SSF Vol Surface	1.70411	0.95	0.0072
SSF Vol Surface	1.70411	1	0
SSF Vol Surface	1.70411	1.05	-0.0044
SSF Vol Surface	1.70411	1.1	-0.0083
SSF Vol Surface	1.70411	1.3	-0.0178
SSF Vol Surface	1.70411	1.5	-0.0233

Disclaimer:

All data and information provided by the JSE, except as otherwise indicated, is proprietary to the JSE. You may not copy, reproduce, modify, reformat, download, store, distribute, publish or transmit any data and information, except for your personal use. For the avoidance of doubt, you may not develop or create any product that uses, is based on, or is developed in connection with any of the data and information available on this site. You are not permitted (except where you have been given express written permission by the JSE) to use the data and information for commercial gain