

MAOF Clearing House Risk Array

Scenario	S	σ	Comment	Example TA-35 Derivatives - S	Example TA-35 Derivatives - σ
1	S_0	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1400.0	20
2	S_0	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1400.0	30
3	$S_0(1+0.1m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1416.8	20
4	$S_0(1+0.1m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1416.8	30
5	$S_0(1-0.1m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1383.2	20
6	$S_0(1-0.1m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1383.2	30
7	$S_0(1+0.2m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1433.6	20
8	$S_0(1+0.2m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1433.6	30
9	$S_0(1-0.2m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1366.4	20
10	$S_0(1-0.2m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1366.4	30
11	$S_0(1+0.3m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1450.4	20
12	$S_0(1+0.3m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1450.4	30
13	$S_0(1-0.3m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1349.6	20
14	$S_0(1-0.3m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1349.6	30
15	$S_0(1+0.4m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1467.2	20
16	$S_0(1+0.4m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1467.2	30
17	$S_0(1-0.4m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1332.8	20
18	$S_0(1-0.4m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1332.8	30
19	$S_0(1+0.5m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1484.0	20
20	$S_0(1+0.5m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1484.0	30
21	$S_0(1-0.5m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1316.0	20
22	$S_0(1-0.5m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1316.0	30
23	$S_0(1+0.6m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1500.8	20
24	$S_0(1+0.6m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1500.8	30
25	$S_0(1-0.6m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1299.2	20
26	$S_0(1-0.6m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1299.2	30
27	$S_0(1+0.7m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1517.6	20
28	$S_0(1+0.7m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1517.6	30
29	$S_0(1-0.7m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1282.4	20
30	$S_0(1-0.7m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1282.4	30
31	$S_0(1+0.8m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1534.4	20
32	$S_0(1+0.8m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1534.4	30
33	$S_0(1-0.8m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1265.6	20
34	$S_0(1-0.8m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1265.6	30
35	$S_0(1+0.9m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1551.2	20
36	$S_0(1+0.9m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1551.2	30
37	$S_0(1-0.9m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1248.8	20
38	$S_0(1-0.9m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1248.8	30
39	$S_0(1+m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1568.0	20
40	$S_0(1+m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1568.0	30
41	$S_0(1-m)$	$\sigma_0 + \text{Max}(a, 0.2\sigma_0)$		1232.0	20
42	$S_0(1-m)$	$\sigma_0 - \text{Max}(a, 0.2\sigma_0)$		1232.0	30
43	$S_0(1+2m)$	$2\sigma_0$	Extreme-case scenarios for which the result is multiplied by 0.35	1736.0	50
44	$S_0(1-2m)$	$2\sigma_0$	Extreme-case scenarios for which the result is multiplied by 0.35	1064.0	50
45	"Market Value" Scenario				

Where:

S_0 - Last posted spot price

m - Price scan range of the underlying asset, as specified in the following table

a - Minimal Volatility scan range of the standard deviation as specified in the following table