



SLOPE	N	%	HOURS							E.P.
			05:00	06:00	07:00	08:00	09:00	10:00	11:00	
1%	UP		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	DOWN		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2%	UP		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	DOWN		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3%	UP		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	DOWN		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4%	UP		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	DOWN		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5%	UP		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	DOWN		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

43° N

MARCH 21

SHADOW LENGTH = HEIGHT x COEF. HEIGHT = SHADOW LENGTH ÷ COEF.

for slope chart co-efficient enlargement, see next page

slope chart for March 21

Slope in % and direction		0:500 and 19:00 Hours	06:00 and 18:00 Hours	07:00 and 17:00 Hours	08:00 and 16:00 Hours	09:00 and 15:00 Hours	10:00 and 14:00 Hours	11:00 and 13:00 Hours	12:00 Hours
1%	UP			4.936	2.486	1.630	1.207	0.993	0.924
	DOWN			5.477	2.618	1.686	1.237	1.013	0.941
2%	UP			4.704	2.428	1.605	1.193	0.983	0.915
	DOWN			5.794	2.689	1.714	1.252	1.024	0.950
3%	UP			4.493	2.370	1.579	1.179	0.974	0.907
	DOWN			6.153	2.763	1.744	1.268	1.034	0.959
4%	UP			4.296	2.315	1.554	1.164	0.965	0.899
	DOWN			6.555	2.842	1.776	1.285	1.045	1.969
5%	UP			4.123	2.231	1.530	1.152	0.955	0.891
	DOWN			7.013	2.925	1.807	1.301	1.056	0.978