

Green Park Village

School - Western

Network

Designed By CMB

Checked By _____

Simulation W.11.4 net



Global Variables

Region	FSR - England & Wales	Manhole Headloss Coefficient	0.500
Return Period (yrs)	1	MADD Factor * 10m³/ha Storage	2.000
M5-60 (mm)	18.700	Foul Sewer/Hectare (l/s)	0.00
Ratio R	0.400	Additional Flow - % of Total Flow	0
Volumetric Runoff Coef	0.750	Inlet Coefficient	0.800
Profile Type	Summer	Number of Input Hydrographs	0
PIMP (%)	100	Number of Time/Area Diagrams	0
Areal Reduction Factor	1.000	Number of Bifurcations	0
Storm Duration (mins)	15	Number of Overflows	0
Hot Start (mins)	0	Number of Off-Line Controls	1
Hot Start Level (mm)	0	Number of On-Line Controls	0

Starting Storm file name

J:\11321\2002\WINDES\SCHOOL\SCHOOL WESTERN NETWORK.SWS

Freely Discharging Outfalls

Outfall Pipe Number	Outfall MH/No	C.Level (m)	I.Level (m)	D, L (mm)	B (mm)
20.004		40.350	39.595	225	0

Infiltration Systems

Warning:- Volume should always be included unless the upstream pipe is being used for storage and/or as a carrier.

DS/PN	MH Loss	Height above DS PN (m)	Filename	Type	Include Volume
20.004	0.500	-0.800	School - Western Soakaway.SRC	Cellular Storage	Yes (capped) (lvl 39.600m)

Network Details

* - Indicates pipe has been modified outside of WinDes's Storm/Foul & Schedules

PN	Length (m)	Fall (m)	Slope (1:x)	Area (ha)	T.E. (mins)	Rain Pro	k (mm)	Hyd Sect	Dia (mm)
20.000	10.00	0.060	166.7	0.009	4.00	1	0.600	o	225
20.001	15.00	0.090	166.7	0.022	0.00	1	0.600	o	225
21.000	10.00	0.060	166.7	0.012	4.00	1	0.600	o	225
20.002	6.00	0.036	166.7	0.012	0.00	1	0.600	o	225
22.000	10.00	0.060	166.7	0.015	4.00	1	0.600	o	225
20.003	4.00	0.024	166.7	0.021	0.00	1	0.600	o	225
20.004	1.00	0.005	200.1	0.000	0.00	1	0.600	o	225

PN	USMH No.	US/CL (m)	US/IL (m)	US C.Depth (m)	DS/CL (m)	DS/IL (m)	DS C.Depth (m)	Ctrl No.	US/MH (mm)
20.000	1	40.435	39.310	0.900	40.375	39.250	0.900		1050
20.001	2	40.375	39.250	0.900	40.285	39.160	0.900		1050
21.000	3	40.345	39.220	0.900	40.285	39.160	0.900		1050
20.002	4	40.285	39.160	0.900	40.249	39.124	0.900		1050
22.000	5	40.309	39.184	0.900	40.249	39.124	0.900		1050
20.003	6	40.249	39.124	0.900	40.350	39.100	1.025		1500
20.004	7	40.350	39.600	0.525	40.350	39.595	0.530		1050

Summary Wizard of "CRITICAL BY RETURN PERIOD"(Rank 1 by Max Level)
 Results for Design Storms

Margin for Flood Risk warning (mm)	300	Inertia Status	OFF
DTS Status	ON	Analysis Time Step	Fine
DVD Status	OFF		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 0

PN	Storm	Return Period	Climate Change	Rank	First X Surcharge	First Y Flood	First Z Overflow	O/F Act
20.000	15 Summer	1	0%	1				
20.001	15 Summer	1	0%	1				
21.000	15 Winter	1	0%	1				
20.002	15 Winter	1	0%	1	100/15 Summer			
22.000	15 Winter	1	0%	1				
20.003	15 Winter	1	0%	1	100/15 Summer			
20.004	360 Winter	1	0%	1			1/15 Summer	54

Lvl Ex.	PN	Water Lvl. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
	20.000	39.338	-0.197	0.000	0.04	0.0	1.3	0 K
	20.001	39.298	-0.177	0.000	0.10	0.0	3.6	0 K
	21.000	39.257	-0.188	0.000	0.05	0.0	1.6	0 K
	20.002	39.237	-0.148	0.000	0.22	0.0	6.5	0 K
	22.000	39.233	-0.176	0.000	0.06	0.0	2.0	0 K
	20.003	39.222	-0.127	0.000	0.39	0.0	10.8	0 K
	20.004	38.952	-0.873	0.000	0.00	0.4	0.0	0 K

Summary Wizard of "CRITICAL BY RETURN PERIOD"(Rank 1 by Max Level)
 Results for Design Storms

Margin for Flood Risk warning (mm)	300	Inertia Status	OFF
DTS Status	ON	Analysis Time Step	Fine
DVD Status	OFF		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 0

PN	Storm	Return Period	Climate Change	Rank	First X Surcharge	First Y Flood	First Z Overflow	O/F Act
20.000	15 Winter	30	0%	1				
20.001	15 Winter	30	0%	1				
21.000	15 Winter	30	0%	1				
20.002	15 Winter	30	0%	1	100/15 Summer			
22.000	15 Winter	30	0%	1				
20.003	15 Winter	30	0%	1	100/15 Summer			
20.004	480 Winter	30	0%	1			1/15 Summer	54

Lvl Ex.	PN	Water Lvl. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
	20.000	39.365	-0.170	0.000	0.09	0.0	3.0	0 K
	20.001	39.350	-0.125	0.000	0.29	0.0	10.2	0 K
	21.000	39.333	-0.112	0.000	0.11	0.0	3.8	0 K
	20.002	39.328	-0.057	0.000	0.56	0.0	16.8	0 K
	22.000	39.319	-0.090	0.000	0.14	0.0	4.8	0 K
	20.003	39.313	-0.036	0.000	1.00	0.0	27.7	0 K
	20.004	39.204	-0.621	0.000	0.00	0.4	0.0	0 K

Summary Wizard of "CRITICAL BY RETURN PERIOD"(Rank 1 by Max Level)
Results for Design Storms

Margin for Flood Risk warning (mm)	300	Inertia Status	OFF
DTS Status	ON	Analysis Time Step	Fine
DVD Status	OFF		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 0

PN	Storm	Return Period	Climate Change	Rank	First X Surcharge	First Y Flood	First Z Overflow	O/F Act
20.000	15 Winter	100	0%	1				
20.001	15 Winter	100	0%	1				
21.000	15 Winter	100	0%	1				
20.002	15 Winter	100	0%	1	100/15 Summer			
22.000	15 Winter	100	0%	1				
20.003	15 Winter	100	0%	1	100/15 Summer			
20.004	480 Winter	100	0%	1			1/15 Summer	54

Lvl Ex.	PN	Water Lvl. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
	20.000	39.425	-0.110	0.000	0.11	0.0	3.5	0 K
	20.001	39.420	-0.055	0.000	0.34	0.0	12.1	0 K
	21.000	39.404	-0.041	0.000	0.14	0.0	4.7	0 K
	20.002	39.397	0.012	0.000	0.72	0.0	21.4	SURCH'ED
	22.000	39.387	-0.022	0.000	0.18	0.0	6.0	0 K
	20.003	39.378	0.029	0.000	1.27	0.0	35.3	SURCH'ED
	20.004	39.329	-0.496	0.000	0.00	0.4	0.0	0 K

Summary Wizard of "CRITICAL BY RETURN PERIOD"(Rank 1 by Max Level)
Results for Design Storms

Margin for Flood Risk warning (mm)	300	Inertia Status	OFF
DTS Status	ON	Analysis Time Step	Fine
DVD Status	OFF		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 30

PN	Storm	Return Period	Climate Change	Rank	First X Surcharge	First Y Flood	First Z Overflow	O/F Act
20.000	15 Winter	100	30%	1				
20.001	15 Winter	100	30%	1	100/15 Summer			
21.000	480 Winter	100	30%	1	100/15 Summer			
20.002	480 Winter	100	30%	1	100/15 Summer			
22.000	480 Winter	100	30%	1	100/15 Summer			
20.003	480 Winter	100	30%	1	100/15 Summer			
20.004	480 Winter	100	30%	1			1/15 Summer	54

Lvl Ex.	PN	Water Lvl. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
	20.000	39.501	-0.034	0.000	0.14	0.0	4.7	0 K
	20.001	39.494	0.019	0.000	0.45	0.0	16.0	SURCH'ED
	21.000	39.488	0.043	0.000	0.02	0.0	0.7	SURCH'ED
	20.002	39.488	0.103	0.000	0.11	0.0	3.3	SURCH'ED
	22.000	39.488	0.079	0.000	0.03	0.0	0.9	SURCH'ED
	20.003	39.488	0.139	0.000	0.19	0.0	5.4	SURCH'ED
	20.004	39.488	-0.337	0.000	0.00	0.5	0.0	0 K

Rainfall Details

Region	ENG+WAL	Cv (Summer)	0.750	Summer Storms	Yes
Return Period (years)	10	Cv (Winter)	0.840	Winter Storms	Yes
M5-60 (mm)	18.700	Shortest Storm (mins)	15	Climate Change %	+0
Ratio-R	0.400	Longest Storm (mins)	10080		

Time / Area Diagram

Total Area (ha) = 0.091

Time from:	(mins) to:	Area (ha)
0	4	0.091

Cellular Storage Details

Infil Coef - Base (m/hr)	0.036000	Safety Factor	2.0	Invert Level (m)	0.000
Infil Coef - Sides (m/hr)	0.036000	Porosity	0.95	Ground Level (m)	0.800

Depth (m)	Area (m ²)	Infil. Area (m ²)	Depth (m)	Area (m ²)	Infil. Area (m ²)	Depth (m)	Area (m ²)	Infil. Area (m ²)	Depth (m)	Area (m ²)	Infil. Area (m ²)	Depth (m)	Area (m ²)	Infil. Area (m ²)
0.00	72.0	72.0	0.60	72.0	92.4	1.20	0.0	99.2	1.80	0.0	99.2	2.40	0.0	99.2
0.10	72.0	75.4	0.70	72.0	95.8	1.30	0.0	99.2	1.90	0.0	99.2	2.50	0.0	99.2
0.20	72.0	78.8	0.80	72.0	99.2	1.40	0.0	99.2	2.00	0.0	99.2			
0.30	72.0	82.2	0.90	0.0	99.2	1.50	0.0	99.2	2.10	0.0	99.2			
0.40	72.0	85.6	1.00	0.0	99.2	1.60	0.0	99.2	2.20	0.0	99.2			
0.50	72.0	89.0	1.10	0.0	99.2	1.70	0.0	99.2	2.30	0.0	99.2			

Note:

Infiltration Rate = 1 x 10 ⁻⁵m/s

Area = 8.0m x 9.0m x 0.8m deep

Green Park Village School - Western Soakaway
Designed By CMB
Checked By
Source Control W.11.4 net



Half Drain Time : 559 minutes

Storm Duration (mins)		Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
15 Summer		0.4	0.4	0.1722	0.1722	11.8	OK
30 Summer		0.4	0.4	0.2217	0.2217	15.2	OK
60 Summer		0.4	0.4	0.2702	0.2702	18.5	OK
120 Summer		0.4	0.4	0.3137	0.3137	21.5	OK
180 Summer		0.4	0.4	0.3337	0.3337	22.8	OK
240 Summer		0.4	0.4	0.3437	0.3437	23.5	OK
360 Summer		0.4	0.4	0.3487	0.3487	23.8	OK
480 Summer		0.4	0.4	0.3457	0.3457	23.6	OK
600 Summer		0.4	0.4	0.3412	0.3412	23.3	OK
720 Summer		0.4	0.4	0.3362	0.3362	23.0	OK
960 Summer		0.4	0.4	0.3252	0.3252	22.2	OK
1440 Summer		0.4	0.4	0.3012	0.3012	20.6	OK
2160 Summer		0.4	0.4	0.2657	0.2657	18.2	OK
2880 Summer		0.4	0.4	0.2332	0.2332	15.9	OK
4320 Summer		0.4	0.4	0.1757	0.1757	12.0	OK
5760 Summer		0.4	0.4	0.1303	0.1303	8.9	OK
7200 Summer		0.4	0.4	0.0953	0.0953	6.5	OK
8640 Summer		0.4	0.4	0.0708	0.0708	4.8	OK
10080 Summer		0.4	0.4	0.0547	0.0547	3.7	OK
15 Winter		0.4	0.4	0.1932	0.1932	13.2	OK
30 Winter		0.4	0.4	0.2492	0.2492	17.1	OK
60 Winter		0.4	0.4	0.3042	0.3042	20.8	OK
120 Winter		0.4	0.4	0.3552	0.3552	24.3	OK
180 Winter		0.4	0.4	0.3797	0.3797	26.0	OK
240 Winter		0.4	0.4	0.3927	0.3927	26.9	OK
360 Winter		0.4	0.4	0.4017	0.4017	27.5	OK
480 Winter		0.4	0.4	0.4017	0.4017	27.5	OK
600 Winter		0.4	0.4	0.3962	0.3962	27.1	OK
720 Winter		0.4	0.4	0.3882	0.3882	26.6	OK
960 Winter		0.4	0.4	0.3742	0.3742	25.6	OK
1440 Winter		0.4	0.4	0.3402	0.3402	23.3	OK
2160 Winter		0.4	0.4	0.2872	0.2872	19.6	OK
2880 Winter		0.4	0.4	0.2372	0.2372	16.2	OK
4320 Winter		0.4	0.4	0.1528	0.1528	10.4	OK
5760 Winter		0.4	0.4	0.0898	0.0898	6.1	OK
7200 Winter		0.4	0.4	0.0527	0.0527	3.6	OK
8640 Winter		0.3	0.3	0.0447	0.0447	3.1	OK
10080 Winter		0.3	0.3	0.0397	0.0397	2.7	OK

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	70.81	19
30 Summer	46.13	33
60 Summer	28.76	64
120 Summer	17.43	122
180 Summer	12.87	182
240 Summer	10.34	242
360 Summer	7.55	360
480 Summer	6.05	438
600 Summer	5.08	494
720 Summer	4.41	556
960 Summer	3.52	684
1440 Summer	2.57	954
2160 Summer	1.87	1364
2880 Summer	1.49	1760
4320 Summer	1.08	2512
5760 Summer	0.86	3232
7200 Summer	0.72	3896
8640 Summer	0.62	4584
10080 Summer	0.55	5240
15 Winter	70.81	19
30 Winter	46.13	33
60 Winter	28.76	62
120 Winter	17.43	120
180 Winter	12.87	178
240 Winter	10.34	236
360 Winter	7.55	350
480 Winter	6.05	458
600 Winter	5.08	562
720 Winter	4.41	592
960 Winter	3.52	738
1440 Winter	2.57	1040
2160 Winter	1.87	1476
2880 Winter	1.49	1900
4320 Winter	1.08	2640
5760 Winter	0.86	3336
7200 Winter	0.72	3824
8640 Winter	0.62	4416
10080 Winter	0.55	5144

Green Park Village School - Western Soakaway
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Half Drain Time : 743 minutes

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
15 Summer	0.4	0.4	0.2242	0.2242	15.3	OK
30 Summer	0.4	0.4	0.2917	0.2917	20.0	OK
60 Summer	0.4	0.4	0.3587	0.3587	24.6	OK
120 Summer	0.4	0.4	0.4207	0.4207	28.8	OK
180 Summer	0.4	0.4	0.4507	0.4507	30.8	OK
240 Summer	0.4	0.4	0.4662	0.4662	31.9	OK
360 Summer	0.4	0.4	0.4767	0.4767	32.6	OK
480 Summer	0.4	0.4	0.4772	0.4772	32.6	OK
600 Summer	0.4	0.4	0.4707	0.4707	32.2	OK
720 Summer	0.4	0.4	0.4642	0.4642	31.8	OK
960 Summer	0.4	0.4	0.4502	0.4502	30.8	OK
1440 Summer	0.4	0.4	0.4212	0.4212	28.8	OK
2160 Summer	0.4	0.4	0.3797	0.3797	26.0	OK
2880 Summer	0.4	0.4	0.3412	0.3412	23.3	OK
4320 Summer	0.4	0.4	0.2722	0.2722	18.6	OK
5760 Summer	0.4	0.4	0.2132	0.2132	14.6	OK
7200 Summer	0.4	0.4	0.1648	0.1648	11.3	OK
8640 Summer	0.4	0.4	0.1258	0.1258	8.6	OK
10080 Summer	0.4	0.4	0.0953	0.0953	6.5	OK
15 Winter	0.4	0.4	0.2512	0.2512	17.2	OK
30 Winter	0.4	0.4	0.3277	0.3277	22.4	OK
60 Winter	0.4	0.4	0.4042	0.4042	27.6	OK
120 Winter	0.4	0.4	0.4757	0.4757	32.5	OK
180 Winter	0.4	0.4	0.5107	0.5107	35.0	OK
240 Winter	0.5	0.5	0.5307	0.5307	36.3	OK
360 Winter	0.5	0.5	0.5467	0.5467	37.4	OK
480 Winter	0.5	0.5	0.5513	0.5513	37.7	OK
600 Winter	0.5	0.5	0.5483	0.5483	37.5	OK
720 Winter	0.5	0.5	0.5413	0.5413	37.0	OK
960 Winter	0.4	0.4	0.5212	0.5212	35.7	OK
1440 Winter	0.4	0.4	0.4842	0.4842	33.1	OK
2160 Winter	0.4	0.4	0.4247	0.4247	29.0	OK
2880 Winter	0.4	0.4	0.3672	0.3672	25.1	OK
4320 Winter	0.4	0.4	0.2647	0.2647	18.1	OK
5760 Winter	0.4	0.4	0.1802	0.1802	12.3	OK
7200 Winter	0.4	0.4	0.1148	0.1148	7.8	OK
8640 Winter	0.4	0.4	0.0683	0.0683	4.7	OK
10080 Winter	0.4	0.4	0.0487	0.0487	3.3	OK

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	91.67	19
30 Summer	60.26	34
60 Summer	37.78	64
120 Summer	22.92	122
180 Summer	16.90	182
240 Summer	13.54	242
360 Summer	9.83	362
480 Summer	7.84	480
600 Summer	6.57	560
720 Summer	5.69	614
960 Summer	4.52	738
1440 Summer	3.27	996
2160 Summer	2.36	1408
2880 Summer	1.87	1816
4320 Summer	1.35	2596
5760 Summer	1.07	3344
7200 Summer	0.89	4040
8640 Summer	0.77	4752
10080 Summer	0.68	5440
15 Winter	91.67	19
30 Winter	60.26	33
60 Winter	37.78	62
120 Winter	22.92	120
180 Winter	16.90	180
240 Winter	13.54	238
360 Winter	9.83	352
480 Winter	7.84	466
600 Winter	6.57	574
720 Winter	5.69	680
960 Winter	4.52	780
1440 Winter	3.27	1082
2160 Winter	2.36	1532
2880 Winter	1.87	1960
4320 Winter	1.35	2768
5760 Winter	1.07	3520
7200 Winter	0.89	4184
8640 Winter	0.77	4752
10080 Winter	0.68	5144

Summary of Results for 100 year Return Period (+30%)

Half Drain Time : 947 minutes

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
15 Summer	0.4	0.4	0.2922	0.2922	20.0	0 K
30 Summer	0.4	0.4	0.3812	0.3812	26.1	0 K
60 Summer	0.4	0.4	0.4707	0.4707	32.2	0 K
120 Summer	0.5	0.5	0.5557	0.5557	38.0	0 K
180 Summer	0.5	0.5	0.5988	0.5988	40.9	0 K
240 Summer	0.5	0.5	0.6233	0.6233	42.6	FLOOD RISK
360 Summer	0.5	0.5	0.6453	0.6453	44.1	FLOOD RISK
480 Summer	0.5	0.5	0.6533	0.6533	44.7	FLOOD RISK
600 Summer	0.5	0.5	0.6523	0.6523	44.6	FLOOD RISK
720 Summer	0.5	0.5	0.6458	0.6458	44.2	FLOOD RISK
960 Summer	0.5	0.5	0.6298	0.6298	43.1	FLOOD RISK
1440 Summer	0.5	0.5	0.5978	0.5978	40.9	0 K
2160 Summer	0.5	0.5	0.5517	0.5517	37.7	0 K
2880 Summer	0.4	0.4	0.5092	0.5092	34.8	0 K
4320 Summer	0.4	0.4	0.4312	0.4312	29.5	0 K
5760 Summer	0.4	0.4	0.3622	0.3622	24.8	0 K
7200 Summer	0.4	0.4	0.3012	0.3012	20.6	0 K
8640 Summer	0.4	0.4	0.2482	0.2482	17.0	0 K
10080 Summer	0.4	0.4	0.2022	0.2022	13.8	0 K
15 Winter	0.4	0.4	0.3277	0.3277	22.4	0 K
30 Winter	0.4	0.4	0.4282	0.4282	29.3	0 K
60 Winter	0.4	0.4	0.5292	0.5292	36.2	0 K
120 Winter	0.5	0.5	0.6268	0.6268	42.9	FLOOD RISK
180 Winter	0.5	0.5	0.6773	0.6773	46.3	FLOOD RISK
240 Winter	0.5	0.5	0.7073	0.7073	48.4	FLOOD RISK
360 Winter	0.5	0.5	0.7363	0.7363	50.4	FLOOD RISK
480 Winter	0.5	0.5	0.7503	0.7503	51.3	FLOOD RISK
600 Winter	0.5	0.5	0.7538	0.7538	51.6	FLOOD RISK
720 Winter	0.5	0.5	0.7513	0.7513	51.4	FLOOD RISK
960 Winter	0.5	0.5	0.7348	0.7348	50.3	FLOOD RISK
1440 Winter	0.5	0.5	0.6933	0.6933	47.4	FLOOD RISK
2160 Winter	0.5	0.5	0.6313	0.6313	43.2	FLOOD RISK
2880 Winter	0.5	0.5	0.5693	0.5693	38.9	0 K
4320 Winter	0.4	0.4	0.4542	0.4542	31.1	0 K
5760 Winter	0.4	0.4	0.3527	0.3527	24.1	0 K
7200 Winter	0.4	0.4	0.2657	0.2657	18.2	0 K
8640 Winter	0.4	0.4	0.1917	0.1917	13.1	0 K
10080 Winter	0.4	0.4	0.1318	0.1318	9.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	119.17	19
30 Summer	78.33	34
60 Summer	49.11	64
120 Summer	29.80	124
180 Summer	21.97	182
240 Summer	17.60	242
360 Summer	12.78	362
480 Summer	10.19	480
600 Summer	8.54	600
720 Summer	7.39	700
960 Summer	5.88	806
1440 Summer	4.25	1052
2160 Summer	3.07	1468
2880 Summer	2.43	1872
4320 Summer	1.75	2680
5760 Summer	1.39	3464
7200 Summer	1.16	4248
8640 Summer	1.00	4936
10080 Summer	0.88	5648
15 Winter	119.17	19
30 Winter	78.33	33
60 Winter	49.11	62
120 Winter	29.80	122
180 Winter	21.97	180
240 Winter	17.60	238
360 Winter	12.78	354
480 Winter	10.19	468
600 Winter	8.54	582
720 Winter	7.39	692
960 Winter	5.88	902
1440 Winter	4.25	1124
2160 Winter	3.07	1580
2880 Winter	2.43	2020
4320 Winter	1.75	2896
5760 Winter	1.39	3688
7200 Winter	1.16	4464
8640 Winter	1.00	5184
10080 Winter	0.88	5848