Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	2	Maximum Rainfall (mm/hr)	0.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
S1.1		5.00	4.025	1200		539512.813	325038.777	1.115
S1.2		5.00	3.860	450		539514.568	325042.658	0.960
S1	0.068	5.00	3.845	1500		539520.863	325041.348	1.545
SJ0.1		5.00	3.925	450		539526.495	325043.098	1.055
SJ0			3.925			539521.804	325044.406	1.630
S2			3.900	1500		539524.300	325052.520	1.618
S3.1		5.00	4.000	450		539517.545	325059.155	1.140
S3	0.047	5.00	4.025	1500		539523.203	325062.512	1.758
S4.1		5.00	4.090	450		539495.254	325088.198	1.190
S4	0.045	5.00	4.025	1500		539498.774	325082.986	1.740
SJ1.1		5.00	4.360	450		539508.193	325072.528	1.460
SJ1			4.210			539513.299	325076.703	1.952
S5	0.036	5.00	4.100	1800		539518.693	325074.365	1.852
SJ2.1		5.00	4.050	450		539526.058	325072.500	1.150
SJ2			3.890			539524.184	325079.312	1.653
SJ3.1		5.00	3.800	450		539527.190	325087.233	0.950
SJ3			3.800			539529.749	325084.324	1.574
S6			3.775	1800		539537.533	325091.336	1.565
Headwall			3.200	1650	1350	539537.907	325094.655	1.023

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S1.1	S1	8.451	0.600	2.910	2.825	0.085	100.0	150	5.14	0.0
2.000	S1.2	S1	6.432	0.600	2.900	2.825	0.075	85.8	150	5.10	0.0
1.001	S1	SJ0	3.200	0.600	2.300	2.295	0.005	649.4	675	5.19	0.0
3.000	SJ0.1	SJ0	4.870	0.600	2.870	2.820	0.050	97.4	150	5.08	0.0
1.002	SJ0	S2	8.489	0.600	2.295	2.282	0.013	649.4	675	5.33	0.0
1.003	S2	S3	10.052	0.600	2.282	2.267	0.015	669.5	675	5.50	0.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.005	17.8	0.0	0.965	0.870	0.000	0.0	0	0.000
2.000	1.086	19.2	0.0	0.810	0.870	0.000	0.0	0	0.000
1.001	1.021	365.3	0.0	0.870	0.955	0.068	0.0	0	0.000
3.000	1.018	18.0	0.0	0.905	0.955	0.000	0.0	0	0.000
1.002	1.021	365.3	0.0	0.955	0.943	0.068	0.0	0	0.000
1.003	1.005	359.7	0.0	0.943	1.083	0.068	0.0	0	0.000

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
4.000	S3.1	S3	6.610	0.600	2.860	2.792	0.068	97.2	150	5.11	0.0
1.004	S3	S5	12.682	0.600	2.267	2.248	0.019	667.0	675	5.71	0.0
5.000	S4.1	S4	6.357	0.600	2.900	2.810	0.090	70.6	150	5.09	0.0
5.001	S4	SJ1	15.826	0.600	2.285	2.258	0.027	586.7	675	5.33	0.0
6.000	SJ1.1	SJ1	6.596	0.600	2.900	2.783	0.117	56.4	150	5.08	0.0
5.002	SJ1	S5	5.879	0.600	2.258	2.248	0.010	586.7	675	5.43	0.0
1.005	S5	SJ2	7.391	0.600	2.248	2.237	0.011	667.3	675	5.83	0.0
7.000	SJ2.1	SJ2	7.065	0.600	2.900	2.762	0.138	51.2	150	5.08	0.0
1.006	SJ2	SJ3	7.489	0.600	2.237	2.226	0.011	667.3	675	5.95	0.0
8.000	SJ3.1	SJ3	3.874	0.600	2.850	2.751	0.099	39.1	150	5.04	0.0
1.007	SJ3	S6	10.477	0.600	2.226	2.210	0.016	667.3	675	6.13	0.0
1.008	S6	Headwall	3.340	0.600	2.210	2.177	0.033	100.0	150	6.18	0.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
4.000	1.019	18.0	0.0	0.990	1.083	0.000	0.0	0	0.000
1.004	1.007	360.4	0.0	1.083	1.177	0.115	0.0	0	0.000
5.000	1.198	21.2	0.0	1.040	1.065	0.000	0.0	0	0.000
5.001	1.075	384.5	0.0	1.065	1.277	0.045	0.0	0	0.000
6.000	1.342	23.7	0.0	1.310	1.277	0.000	0.0	0	0.000
5.002	1.075	384.5	0.0	1.277	1.177	0.045	0.0	0	0.000
1.005	1.007	360.3	0.0	1.177	0.978	0.196	0.0	0	0.000
7.000	1.409	24.9	0.0	1.000	0.978	0.000	0.0	0	0.000
1.006	1.007	360.3	0.0	0.978	0.899	0.196	0.0	0	0.000
8.000	1.613	28.5	0.0	0.800	0.899	0.000	0.0	0	0.000
1.007	1.007	360.3	0.0	0.899	0.890	0.196	0.0	0	0.000
1.008	1.005	17.8	0.0	1.415	0.873	0.196	0.0	0	0.000

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	8.451	100.0	150	Circular	4.025	2.910	0.965	3.845	2.825	0.870
2.000	6.432	85.8	150	Circular	3.860	2.900	0.810	3.845	2.825	0.870
1.001	3.200	649.4	675	Circular	3.845	2.300	0.870	3.925	2.295	0.955
3.000	4.870	97.4	150	Circular	3.925	2.870	0.905	3.925	2.820	0.955
1.002	8.489	649.4	675	Circular	3.925	2.295	0.955	3.900	2.282	0.943
1.003	10.052	669.5	675	Circular	3.900	2.282	0.943	4.025	2.267	1.083
4.000	6.610	97.2	150	Circular	4.000	2.860	0.990	4.025	2.792	1.083
1.004	12.682	667.0	675	Circular	4.025	2.267	1.083	4.100	2.248	1.177

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Width (mm)	Node Type	MH Type
1.000	S1.1	1200	Manhole	Adoptable	S1	1500		Manhole	Modified Type B
2.000	S1.2	450	Manhole	PPIC	S1	1500		Manhole	Modified Type B
1.001	S1	1500	Manhole	Modified Type B	SJ0			Junction	
3.000	SJ0.1	450	Manhole	PPIC	SJ0			Junction	
1.002	SJ0		Junction		S2	1500		Manhole	Modified Type B
1.003	S2	1500	Manhole	Modified Type B	S3	1500		Manhole	Modified Type B
4.000	S3.1	450	Manhole	PPIC	S3	1500		Manhole	Modified Type B
1.004	S3	1500	Manhole	Modified Type B	S5	1800		Manhole	Modified Type B

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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
5.000	6.357	70.6	150	Circular	4.090	2.900	1.040	4.025	2.810	1.065
5.001	15.826	586.7	675	Circular	4.025	2.285	1.065	4.210	2.258	1.277
6.000	6.596	56.4	150	Circular	4.360	2.900	1.310	4.210	2.783	1.277
5.002	5.879	586.7	675	Circular	4.210	2.258	1.277	4.100	2.248	1.177
1.005	7.391	667.3	675	Circular	4.100	2.248	1.177	3.890	2.237	0.978
7.000	7.065	51.2	150	Circular	4.050	2.900	1.000	3.890	2.762	0.978
1.006	7.489	667.3	675	Circular	3.890	2.237	0.978	3.800	2.226	0.899
8.000	3.874	39.1	150	Circular	3.800	2.850	0.800	3.800	2.751	0.899
1.007	10.477	667.3	675	Circular	3.800	2.226	0.899	3.775	2.210	0.890
1.008	3.340	100.0	150	Circular	3.775	2.210	1.415	3.200	2.177	0.873

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Width (mm)	Node Type	MH Type
5.000	S4.1	450	Manhole	PPIC	S4	1500		Manhole	Modified Type B
5.001	S4	1500	Manhole	Modified Type B	SJ1			Junction	
6.000	SJ1.1	450	Manhole	PPIC	SJ1			Junction	
5.002	SJ1		Junction		S5	1800		Manhole	Modified Type B
1.005	S5	1800	Manhole	Modified Type B	SJ2			Junction	
7.000	SJ2.1	450	Manhole	PPIC	SJ2			Junction	
1.006	SJ2		Junction		SJ3			Junction	
8.000	SJ3.1	450	Manhole	PPIC	SJ3			Junction	
1.007	SJ3		Junction		S6	1800		Manhole	Hydrobrake
1.008	S6	1800	Manhole	Hydrobrake	Headwall	1650	1350	Manhole	Headwall

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
FSR Region	England and Wales	Skip Steady State	x
M5-60 (mm)	20.000	Drain Down Time (mins)	240
Ratio-R	0.400	Additional Storage (m³/ha)	0.0
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0
30	0	0	0
100	40	0	0

Node S6 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	2.210	Product Number	CTL-SHE-0099-5000-1450-5000
Design Depth (m)	1.450	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	5.0	Min Node Diameter (mm)	1200

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Node SJ0.1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.870	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	108	Depth (m)	0.860
Safety Factor	2.0	Width (m)	2.500	Inf Depth (m)	
Porosity	0.30	Length (m)	7.600		

Node S1.1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.910	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	88	Depth (m)	0.850
Safety Factor	2.0	Width (m)	2.500	Inf Depth (m)	
Porosity	0.30	Length (m)	7.600		

Node S1.2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.900	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	112	Depth (m)	0.890
Safety Factor	2.0	Width (m)	3.000	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node S3.1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.860	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	118	Depth (m)	0.665
Safety Factor	2.0	Width (m)	5.500	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SJ2.1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.900	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	86	Depth (m)	0.840
Safety Factor	2.0	Width (m)	2.500	Inf Depth (m)	
Porosity	0.30	Length (m)	8.400		

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Results for 2 year Critical Storm Duration. Lowest mass balance: 98.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1.1	1	2.910	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1.2	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	47	2.542	0.242	6.3	0.4274	0.0000	OK
15 minute summer	SJ0.1	1	2.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ0	47	2.542	0.247	5.8	0.0000	0.0000	OK
60 minute winter	S2	47	2.542	0.260	4.9	0.4592	0.0000	OK
15 minute summer	S3.1	1	2.860	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S3	47	2.542	0.275	7.8	0.4857	0.0000	OK
15 minute summer	S4.1	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S4	47	2.542	0.257	4.2	0.4539	0.0000	OK
15 minute summer	SJ1.1	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ1	47	2.542	0.284	2.9	0.0000	0.0000	OK
60 minute winter	S5	47	2.542	0.294	10.6	0.7480	0.0000	OK
15 minute summer	SJ2.1	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ2	47	2.542	0.305	8.4	0.0000	0.0000	OK
15 minute summer	SJ3.1	1	2.850	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ3	47	2.542	0.316	7.2	0.0000	0.0000	OK
60 minute winter	S6	47	2.542	0.332	5.7	0.8447	0.0000	SURCHARGED
60 minute winter	Headwall	47	2.230	0.053	4.8	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1.1	1.000	S1	0.0	0.000	0.000	0.0000	
15 minute summer	S1.2	2.000	S1	0.0	0.000	0.000	0.0000	
60 minute winter	S1	1.001	SJ0	5.8	0.291	0.016	0.3727	
15 minute summer	SJ0.1	3.000	SJ0	0.0	0.000	0.000	0.0000	
60 minute winter	SJ0	1.002	S2	4.9	0.306	0.013	1.0384	
60 minute winter	S2	1.003	S3	3.4	0.191	0.009	1.3219	
15 minute summer	S3.1	4.000	S3	0.0	0.000	0.000	0.0000	
60 minute winter	S3	1.004	S5	6.0	0.228	0.017	1.8105	
15 minute summer	S4.1	5.000	S4	0.0	0.000	0.000	0.0000	
60 minute winter	S4	5.001	SJ1	2.9	0.226	0.007	2.1129	
15 minute summer	SJ1.1	6.000	SJ1	0.0	0.000	0.000	0.0000	
60 minute winter	SJ1	5.002	S5	1.3	0.093	0.003	0.8569	
60 minute winter	S5	1.005	SJ2	8.4	0.311	0.023	1.1291	
15 minute summer	SJ2.1	7.000	SJ2	0.0	0.000	0.000	0.0000	
60 minute winter	SJ2	1.006	SJ3	7.2	0.305	0.020	1.1992	
15 minute summer	SJ3.1	8.000	SJ3	0.0	0.000	0.000	0.0000	
60 minute winter	SJ3	1.007	S6	5.7	0.420	0.016	1.7728	
60 minute winter	S6	1.008	Headwall	4.8	0.796	0.271	0.0202	26.7

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Results for 30 year Critical Storm Duration. Lowest mass balance: 98.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1.1	1	2.910	0.000	0.0	0.0000	0.0000	OK
15 minute summer	S1.2	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S1	59	2.859	0.559	12.0	0.9880	0.0000	OK
15 minute summer	SJ0.1	1	2.870	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ0	59	2.859	0.564	10.8	0.0000	0.0000	OK
60 minute winter	S2	59	2.859	0.577	8.8	1.0198	0.0000	OK
15 minute summer	S3.1	1	2.860	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S3	59	2.859	0.592	13.8	1.0463	0.0000	OK
15 minute summer	S4.1	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	S4	59	2.859	0.574	7.9	1.0145	0.0000	OK
15 minute summer	SJ1.1	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ1	59	2.859	0.601	4.9	0.0000	0.0000	OK
60 minute winter	S5	59	2.859	0.611	17.7	1.5554	0.0000	OK
15 minute summer	SJ2.1	1	2.900	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SJ2	59	2.859	0.622	13.0	0.0000	0.0000	OK
60 minute winter	SJ3.1	59	2.859	0.009	0.0	0.0014	0.0000	OK
60 minute winter	SJ3	59	2.859	0.633	10.4	0.0000	0.0000	OK
60 minute winter	S6	59	2.859	0.649	7.5	1.6521	0.0000	SURCHARGED
120 minute winter	Headwall	70	2.231	0.054	5.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1.1	1.000	S1	0.0	0.000	0.000	0.0000	
15 minute summer	S1.2	2.000	S1	0.0	0.000	0.000	0.0000	
60 minute winter	S1	1.001	SJ0	10.8	0.326	0.030	1.0157	
15 minute summer	SJ0.1	3.000	SJ0	0.0	0.000	0.000	0.0000	
60 minute winter	SJ0	1.002	S2	8.8	0.334	0.024	2.7320	
60 minute winter	S2	1.003	S3	5.5	0.211	0.015	3.3014	
15 minute summer	S3.1	4.000	S3	0.0	0.000	0.000	0.0000	
60 minute winter	S3	1.004	S5	9.9	0.260	0.027	4.2595	
15 minute summer	S4.1	5.000	S4	0.0	0.000	0.000	0.0000	
60 minute winter	S4	5.001	SJ1	4.9	0.250	0.013	5.2168	
15 minute summer	SJ1.1	6.000	SJ1	0.0	0.000	0.000	0.0000	
60 minute winter	SJ1	5.002	S5	1.5	0.091	0.004	1.9859	
60 minute winter	S5	1.005	SJ2	13.0	0.368	0.036	2.5274	
15 minute summer	SJ2.1	7.000	SJ2	0.0	0.000	0.000	0.0000	
60 minute winter	SJ2	1.006	SJ3	10.4	0.352	0.029	2.5905	
60 minute winter	SJ3.1	8.000	SJ3	0.0	-0.007	0.002	0.0272	
60 minute winter	SJ3	1.007	S6	7.5	0.457	0.021	3.6683	
60 minute winter	S6	1.008	Headwall	5.0	0.803	0.281	0.0207	50.7

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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1.1	118	3.586	0.676	4.9	4.5977	0.0000	FLOOD RISK
120 minute winter	S1.2	118	3.587	0.687	6.4	6.2432	0.0000	FLOOD RISK
120 minute winter	S1	118	3.586	1.286	13.5	2.2732	0.0000	FLOOD RISK
120 minute winter	SJ0.1	118	3.587	0.717	4.4	4.1763	0.0000	FLOOD RISK
120 minute winter	SJ0	118	3.587	1.292	11.3	0.0000	0.0000	FLOOD RISK
120 minute winter	S2	118	3.587	1.305	9.0	2.3057	0.0000	FLOOD RISK
120 minute winter	S3.1	118	3.586	0.726	10.4	11.0142	0.0000	FLOOD RISK
120 minute winter	S3	118	3.587	1.320	14.1	2.3328	0.0000	FLOOD RISK
120 minute winter	S4.1	116	3.588	0.688	1.5	0.1094	0.0000	SURCHARGED
120 minute winter	S4	118	3.587	1.302	9.0	2.3003	0.0000	FLOOD RISK
120 minute winter	SJ1.1	116	3.586	0.686	1.0	0.1091	0.0000	SURCHARGED
120 minute winter	SJ1	118	3.588	1.330	7.5	0.0000	0.0000	SURCHARGED
120 minute winter	S5	118	3.587	1.339	18.0	3.4078	0.0000	SURCHARGED
120 minute winter	SJ2.1	118	3.588	0.688	3.4	4.2990	0.0000	FLOOD RISK
120 minute winter	SJ2	118	3.587	1.350	13.1	0.0000	0.0000	FLOOD RISK
120 minute winter	SJ3.1	118	3.588	0.738	0.8	0.1174	0.0000	FLOOD RISK
120 minute winter	SJ3	118	3.587	1.361	10.5	0.0000	0.0000	FLOOD RISK
120 minute winter	S6	118	3.586	1.376	7.5	3.5022	0.0000	FLOOD RISK
120 minute summer	Headwall	288	2.231	0.054	5.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S1.1	1.000	S1	-4.9	-0.336	-0.278	0.1488	
120 minute winter	S1.2	2.000	S1	-6.4	-0.434	-0.333	0.1132	
120 minute winter	S1	1.001	SJ0	11.3	0.313	0.031	1.1423	
120 minute winter	SJ0.1	3.000	SJ0	-4.4	-0.465	-0.247	0.0857	
120 minute winter	SJ0	1.002	S2	9.0	0.326	0.025	3.0304	
120 minute winter	S2	1.003	S3	5.3	0.207	0.015	3.5883	
120 minute winter	S3.1	4.000	S3	-10.4	-0.685	-0.579	0.1164	
120 minute winter	S3	1.004	S5	9.9	0.255	0.027	4.5272	
120 minute winter	S4.1	5.000	S4	-1.5	-0.128	-0.071	0.1119	
120 minute winter	S4	5.001	SJ1	7.5	0.233	0.020	5.6495	
120 minute winter	SJ1.1	6.000	SJ1	-1.0	-0.071	-0.041	0.1161	
120 minute winter	SJ1	5.002	S5	6.6	0.088	0.017	2.0987	
120 minute winter	S5	1.005	SJ2	13.1	0.348	0.036	2.6384	
120 minute winter	SJ2.1	7.000	SJ2	-3.4	-0.296	-0.135	0.1244	
120 minute winter	SJ2	1.006	SJ3	10.5	0.346	0.029	2.6734	
120 minute winter	SJ3.1	8.000	SJ3	-0.8	-0.102	-0.028	0.0682	
120 minute winter	SJ3	1.007	S6	7.5	0.435	0.021	3.7401	
120 minute winter	S6	1.008	Headwall	5.0	0.803	0.281	0.0207	94.4

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