Type	Setting	Description	Value Range	Units	default	Notes
Clear	Overcast	cloud cover	0 - 100	%	random	
	OvercastVariation	variation in cloud cover	0 - 100	%	random	
	OvercastRateOfChange	rate of change for variation	0 - 1		random	
	OvercastVisibility	visibility	1000 - 60000	m	60000	Use fog for lower visibility values
Precipitation	PrecipitationType	type of precipitation	Rain, Snow			
	PrecipitationDensity	maximum density of precipitation	0 - 1		random	scale value, max. density is preset in program
	PrecipitationVariation	variation in density	0 - 1		random	
	PrecipitationRateOfChange	rate of change in density	0 - 1		random	
	PrecipitationProbability	probability of precipitation at any one moment	0 - 100	%	random	
	PrecipitationSpread	number of periods with active precipitation	n >= 1		1	
	PrecipitationVisibilityAtMinDensity	visibility at minimum density	100 - 60000		20000	must be >= OvercastVisibility
	PrecipitationVisibilityAtMaxDensity	visibility at maximum density	100 - 60000		10000	must be >= PrecipitationVisibilityAtMinDensity
	OvercastPrecipitationStart	required cloud cover at which precipitation will start also cloud cover during precipitation	0 - 100	%	random	must be >= Overcast
	OvercastBuildUp	rate of change in cloud cover during build up to precipitation	0 - 1		random	
	PrecipitationStartPhase	required time between start of precipitation and max density	30 - 240	sec	60	
	OvercastDispersion	rate of change in cloud cover to from max to cover during dry spell	0 - 1		random	
	PrecipitationEndPhase	required time between max density and end of precipitation	30 - 360	sec	60	
	Overcast	cloud cover during dry spell	0 - 100	%	random	
	OvercastVariation	variation in cloud cover during dry spell	0 - 100	%	random	
	OvercastRateOfChange	rate of change for variation during dry spell	0 - 1		random	
	OvercastVisibility	visibility during dry spell	1000 - 60000	m	60000	
Fog	FogVisibility	visibility during fog	10 - 1000	m	1000	
	FogSetTime	required time for fog to set to required visibility	300 - 3600	sec	300	
	FogLiftTime	required time for fog to lift	300 - 3600	sec	300	Fog will clear to visibility as defined for next spell
	FogOvercast	overast range during fog	0 - 100	%	random	Overcast at end of fog period