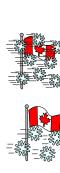
*	canada_flag (50%)		low (40%)
*	canada_flag_outline (50%)	H	high (40%)
*	canada_logo (50%)		low_circle (40%)
*	canada_logo_outline (50%)		high_circle (40%)
5	tropical_storm (20%)	•	block_low_circle (40%)
Q	tropical_storm_shem (20%)	(1)	block_high_circle (40%)
5	hurricane (20%)	Ψ	lgticg (20%)
	hurricane_shem (20%)	Ψ	mdticg (20%)
8	post_tropical (20%)	Ψ	svricg (20%)
8	post_tropical_shem (20%)	\wedge	lgtturbc (40%)
	hilo (40%)		mdtturbc (40%)
	hi_lo (40%)		svrturbc (40%)
*	star		none ("invisible" circle)

	clr (20%)	Δ	triangle
	sct (20%)	Δ	triangle_mark
	bkn (20%)	0	circle
	ovc (20%)	0	circle_mark
•	triangle_down	•	circle_filled
•	triangle_left		square

- ► triangle_right □ square_mark
- triangle_up square_filled
- o calm + plus
- - \times cross
 - arrow_to_justified

 x cross_mark



blizz (60%)



blosno (60%)



cldy (60%)



cldy_p_d (60%)



cldy_p_n (60%)



clear (60%)



clrng_d (60%)



clrng_n (60%)



flurr_d (60%)



flurr_n (60%)



fog (60%)



incld_d (60%)



incld_n (60%)



r_frz (60%)



r_show_d (60%)



r_show_n (60%)



rain (60%)



rs_mix (60%)



snow (60%)



sunny (60%)



sunny_bw~ (60%)



thunder (60%)



vs_wind (60%)



w_chill (60%)



windy (60%)



wnd_arrow (40%)

•	syno_drizzle (\062)		syno_moderate_rain (\077)
••	syno_light_drizzle (\063)		syno_heavy_inter_rain (\100)
•	syno_moderate_inter_drizzle (\064)		syno_heavy_rain (\lambda101)
,,	syno_moderate_drizzle (\065)	○	syno_light_freezing_rain (\lambda 102)
•	syno_heavy_inter_drizzle (\066)		syno_moderate_freezing_rain (\lambda 103)
,,	syno_heavy_drizzle (\067)	*	syno_light_rain_snow (\104)
N	syno_light_freezing_drizzle (\070)	* *	syno_moderate_rain_snow (\105)
(N)	syno_moderate_freezing_drizzle (\071)	*	syno_snow (\106)
•	syno_light_rain_drizzle (\072)	**	syno_light_snow (\107)
•	syno_moderate_rain_drizzle (\073)	*	syno_moderate_inter_snow (\110)
•	syno_rain (\074)	* *	syno_moderate_snow (\111)
••	syno_light_rain (\075)	* * *	syno_heavy_inter_snow (\112)
•	syno_moderate_inter_rain (\076)	** ***	syno_heavy_snow (\113)

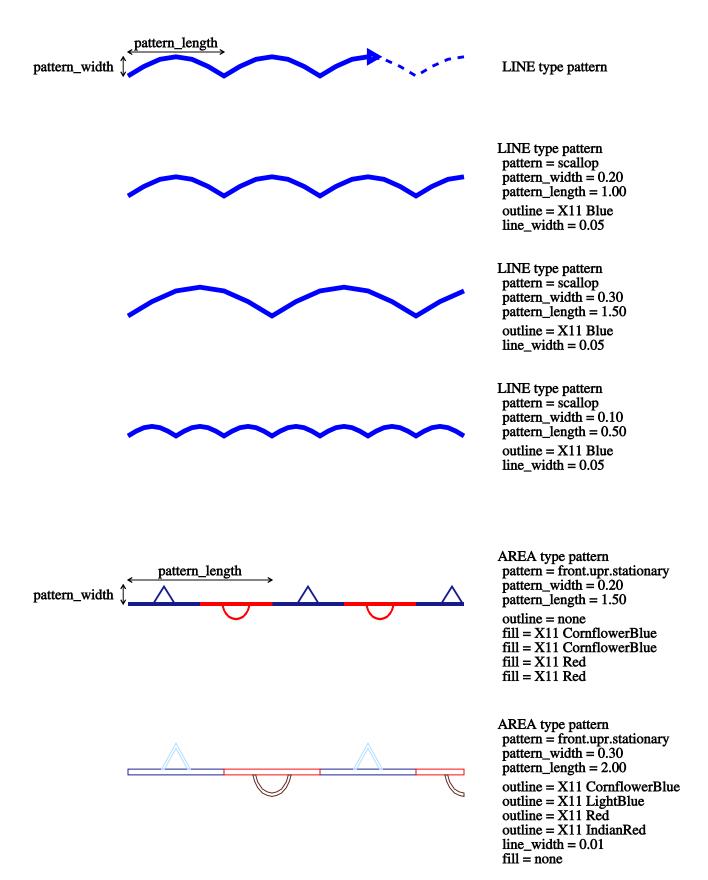
∇	syno_shower	\sim	syno_freezing_precip
$\bigvee_{}^{\bullet}$	syno_light_rain_shower	<	syno_lightning (\015)
$\overline{\nabla}$	syno_moderate_rain_shower	K	syno_thunder_storm (\021)
\bigvee	syno_violent_rain_shower	13	syno_heavy_thunder_storm
*	syno_light_rain_snow_shower	• //*	syno_rain_storm (\137)
*	syno_moderate_rain_snow_shower	$\stackrel{\triangle}{\mid}$	syno_hail_storm (\140)
$\stackrel{\bigstar}{\bigvee}$	syno_light_snow_shower	*/*	syno_heavy_rain_storm (\141)
*	syno_moderate_snow_shower	<u>Z</u>	syno_thunder_dust_storm (\lambda142)
<u> </u>	syno_ice_pellets (\117)	$\frac{\triangle}{\Box}$	syno_heavy_hail_storm (\143)
∇	syno_light_ice_pellet_shower	\bigvee	syno_squall (\022)
$\overline{\nabla}$	syno_moderate_ice_pellet_shower)[syno_tornado (\023)
$\overline{\nabla}$	syno_light_hail_shower	S	syno_dust (\006)
	syno_moderate_hail_shower	\$/1	syno_blowing_dust_spray

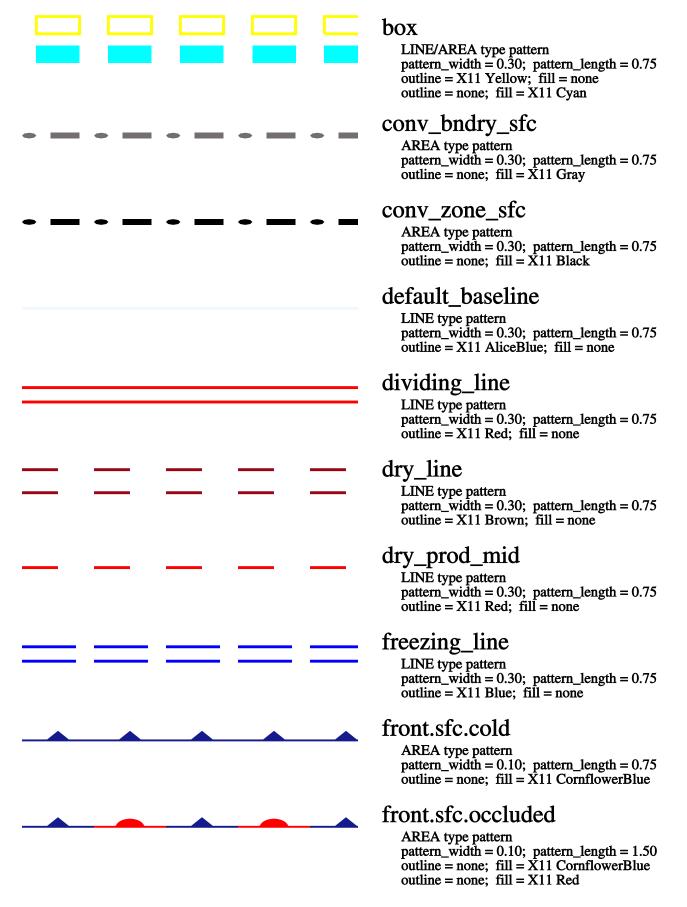
5	syno_dust_storm (\037)	لم	syno_smoke (\004)
5	syno_severe_dust_storm (\042)	∞	syno_haze (\005)
(S)	syno_dust_storm_nearby (\011)	\Rightarrow	syno_drifting_snow (\044)
8	syno_dust_whirl (\010)	\Rightarrow	syno_heavy_drifting_snow (\045)
=	syno_fog (\055)	\rightarrow	syno_blowing_snow (\046)
<u>(</u>	syno_fog_nearby (\050)	\Rightarrow	syno_heavy_blowing_snow (\047)
=	syno_mist (\012)	\longleftrightarrow	syno_ice_crystals (\114)
ΞΞ	syno_shallow_fog_patches (\013)	_	syno_snow_grains (\115)
<u>= =</u>	syno_shallow_fog (\014)	-×-	syno_snow_crystals (\116)
==	syno_fog_patches (\051)	•	syno_virga (\016)
=	syno_thin_fog (\054))•(syno_precip_distant (\017)
¥	syno_thin_rime_fog (\060)	(•)	syno_precip_nearby (\020)
Y	syno_rime_fog (\061)	/	syno_slash (divider)

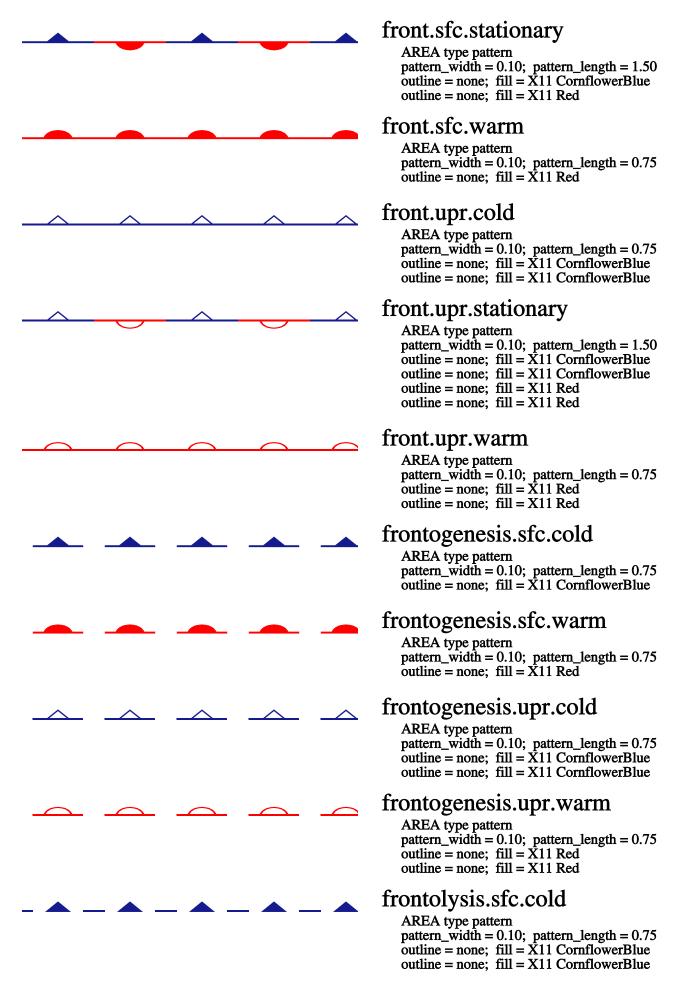
]	syno_not_at_obs_time	[X]	syno_thunder_storm_nobs (\035)
•]	syno_drizzle_nobs (\024)	 	syno_rain_storm_nobs (\133)
•]	syno_rain_nobs (\025)		syno_heavy_rain_storm_nobs (\134)
]	syno_snow_nobs (\026)	[] <u>/</u>	syno_hail_storm_nobs (\135)
<u>*</u>]	syno_rain_snow_nobs (\027)	 	syno_heavy_hail_storm_nobs (\136)
\sim]	syno_freezing_precip_nobs (\030)		syno_increasing
$ \overset{\bullet}{\nabla} $	syno_rain_shower_nobs (\031)		syno_decreasing
$\stackrel{\bigstar}{\bigtriangledown}$	syno_snow_shower_nobs (\032)	white	fire_160 (\160)
\bigcirc	syno_hail_shower_nobs (\033)	*	fire_161 (\161)
\equiv	syno_fog_nobs (\034)		fire_162 (\162)
			fire_163 (\163)
\forall	syno_derecho		fire_164 (\164)
			fire_165 (\165)

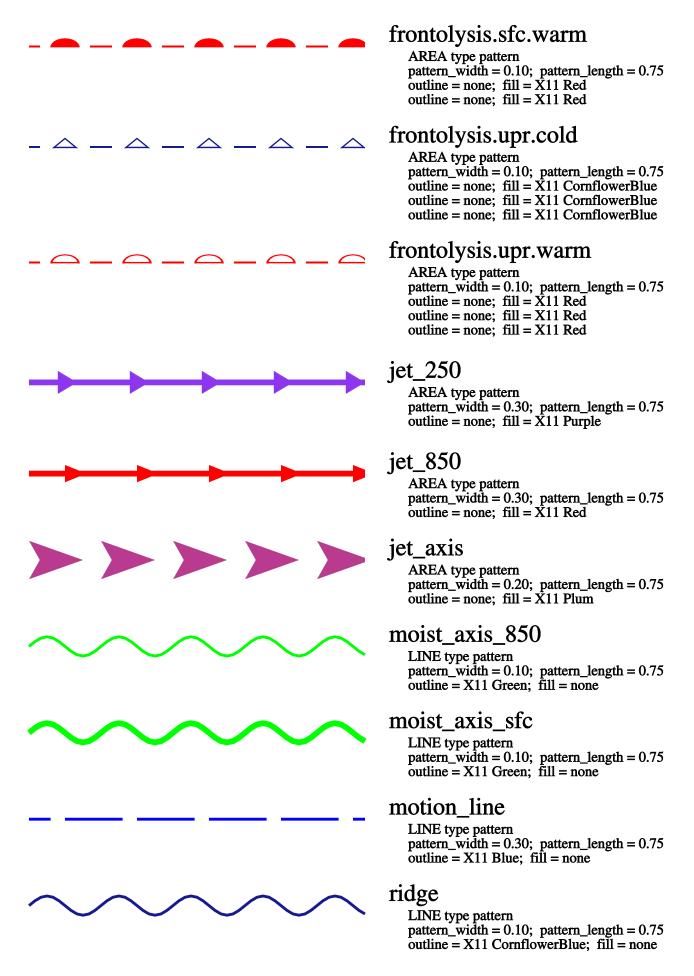
	GEOSTROPHIC WIND SC IN KNOTS FOR 4 MB INTERV	
	60"	10. 20. 20.
. 100 2	SCALE OF NAUTICAL MILES	74
		71 61 51

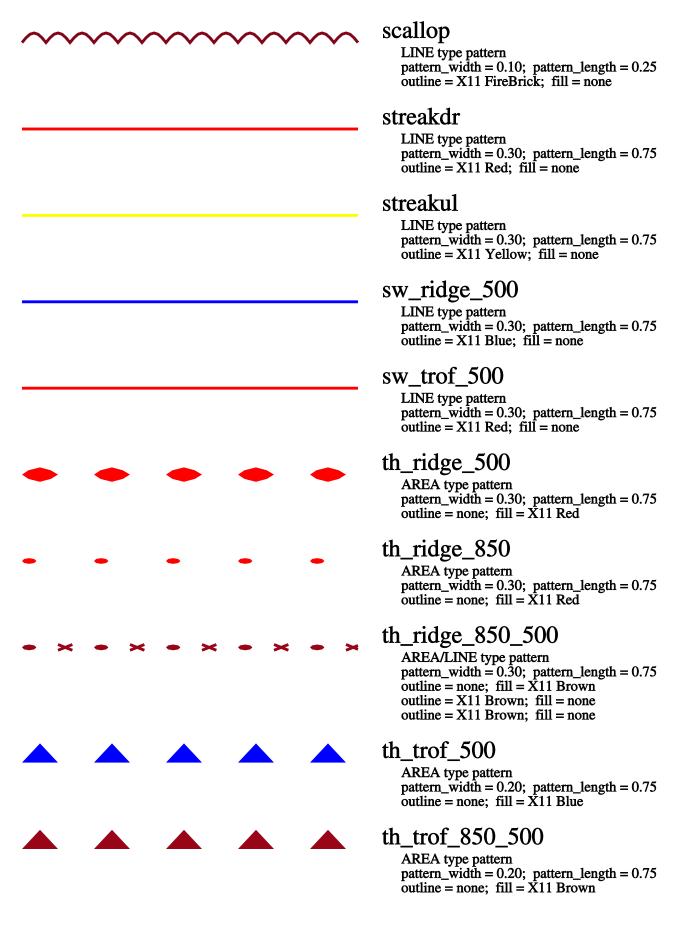
geostr_wind_scale (50%)











	LINE type pattern pattern_width = 0.10; pattern_length = 0.75 outline = X11 Red; fill = none
	trof.upr LINE type pattern pattern_width = 0.10; pattern_length = 0.75 outline = X11 Magenta; fill = none
	trowal AREA type pattern pattern_width = 0.10; pattern_length = 0.75 outline = none; fill = X11 CornflowerBlue outline = none; fill = X11 Red
	trowal.rev AREA type pattern pattern_width = 0.10; pattern_length = 0.75 outline = none; fill = X11 CornflowerBlue outline = none; fill = X11 Red
	turbulence_bdry LINE type pattern pattern_width = 0.30; pattern_length = 0.75 outline = X11 Plum; fill = none
	turbulence_dbl LINE type pattern pattern_width = 0.30; pattern_length = 0.75 outline = X11 Plum; fill = none
	turbulence_rev LINE type pattern pattern_width = 0.30; pattern_length = 0.75 outline = X11 Plum; fill = none
	upper_jet LINE type pattern pattern_width = 0.30; pattern_length = 0.75 outline = X11 Purple; fill = none
>	upr_lvl_jet LINE type pattern pattern_width = 0.30; pattern_length = 0.75 outline = X11 Purple; fill = none outline = X11 Purple; fill = none outline = X11 Purple; fill = none
	warm_adv_850_500 LINE type pattern pattern_width = 0.30; pattern_length = 0.75 outline = X11 Red; fill = none

Appendix C1 – Common Fonts

These are standard fonts (always available)

Courier Courier-Oblique

Courier-Bold Courier-BoldOblique

Helvetica Helvetica-Oblique

Helvetica-Bold Helvetica-BoldOblique

Times-Roman Times-Italic

Times-Bold Times-BoldItalic

These are non-standard fonts (may be available)

Arial Arial-Italic

Arial-Bold Arial-BoldItalic

AvantGarde-Book AvantGarde-BookOblique

AvantGarde-DemiOblique

Bookman-DemiItalic

Bookman-LightItalic Bookman-LightItalic

Helvetica-Black Helvetica-BlackOblique

Helvetica-Light Helvetica-LightOblique
Helvetica-Narrow Helvetica-Narrow-Oblique

Helvetica-Narrow-Bold Helvetica-Narrow-BoldOblique

NewCenturySchlbk-Roman NewCenturySchlbk-Italic

 ${\bf New Century Schlbk-Bold Italic}$

Palatino-Roman Palatino-Italic

ZapfChancery—MediumItalic

Palatino-Bold Palatino-BoldItalic

TimesNewRoman—Italic

TimesNewRoman-Bold TimesNewRoman-BoldItalic

AliceBlue	Bisque3	CadetBlue
AntiqueWhite	Bisque4	CadetBlue1
AntiqueWhite1	Black	CadetBlue2
AntiqueWhite2	BlanchedAlmond	CadetBlue3
AntiqueWhite3	Blue	CadetBlue4
AntiqueWhite4	Blue1	Chartreuse
Aquamarine	Blue2	Chartreuse1
Aquamarine1	Blue3	Chartreuse2
Aquamarine2	Blue4	Chartreuse3
Aquamarine3	BlueViolet	Chartreuse4
Aquamarine4	Brown	Chocolate
Azure	Brown1	Chocolate1
Azure1	Brown2	Chocolate2
Azure2	Brown3	Chocolate3
Azure3	Brown4	Chocolate4
Azure4	Burlywood	Coral
Beige	Burlywood1	Coral1
Bisque	Burlywood2	Coral2
Bisque1	Burlywood3	Coral3
Bisque2	Burlywood4	Coral4

CornflowerBlue	DarkOliveGreen2	DarkSlateGray
Cornsilk	DarkOliveGreen3	DarkSlateGray1
Cornsilk1	DarkOliveGreen4	DarkSlateGray2
Cornsilk2	DarkOrange	DarkSlateGray3
Cornsilk3	DarkOrange1	DarkSlateGray4
Cornsilk4	DarkOrange2	DarkTurquoise
Cyan	DarkOrange3	DarkViolet
Cyan1	DarkOrange4	DeepPink
Cyan2	DarkOrchid	DeepPink1
Cyan3	DarkOrchid1	DeepPink2
Cyan4	DarkOrchid2	DeepPink3
DarkGoldenrod	DarkOrchid3	DeepPink4
DarkGoldenrod1	DarkOrchid4	DeepSkyBlue
DarkGoldenrod2	DarkSalmon	DeepSkyBlue1
DarkGoldenrod3	DarkSeaGreen	DeepSkyBlue2
DarkGoldenrod4	DarkSeaGreen1	DeepSkyBlue3
DarkGreen	DarkSeaGreen2	DeepSkyBlue4
DarkKhaki	DarkSeaGreen3	DimGray
DarkOliveGreen	DarkSeaGreen4	DodgerBlue
DarkOliveGreen1	DarkSlateBlue	DodgerBlue1

DodgerBlue2	Goldenrod3	Gray38
DodgerBlue3	Goldenrod4	Gray39
DodgerBlue4	Gray	Gray40
FireBrick	Gray0 to Gray17	Gray41
FireBrick1	Gray18 to Gray20	Gray42
FireBrick2	Gray21 to Gray22	Gray43
FireBrick3	Gray23 to Gray24	Gray44
FireBrick4	Gray25	Gray45
FloralWhite	Gray26	Gray46
ForestGreen	Gray27	Gray47
Gainsboro	Gray28	Gray48
GhostWhite	Gray29	Gray49
Gold	Gray30	Gray50
Gold1	Gray31	Gray51
Gold2	Gray32	Gray52
Gold3	Gray33	Gray53
Gold4	Gray34	Gray54
Goldenrod	Gray35	Gray55
Goldenrod1	Gray36	Gray56
Goldenrod2	Gray37	Gray57

Gray58	Gray78	Gray98
Gray59	Gray79	Gray99
Gray60	Gray80	Gray100
Gray61	Gray81	Green
Gray62	Gray82	Green1
Gray63	Gray83	Green2
Gray64	Gray84	Green3
Gray65	Gray85	Green4
Gray66	Gray86	GreenYellow
Gray67	Gray87	Honeydew
Gray68	Gray88	Honeydew1
Gray69	Gray89	Honeydew2
Gray70	Gray90	Honeydew3
Gray71	Gray91	Honeydew4
Gray72	Gray92	HotPink
Gray73	Gray93	HotPink1
Gray74	Gray94	HotPink2
Gray75	Gray95	HotPink3
Gray76	Gray96	HotPink4
Gray77	Gray97	IndianRed

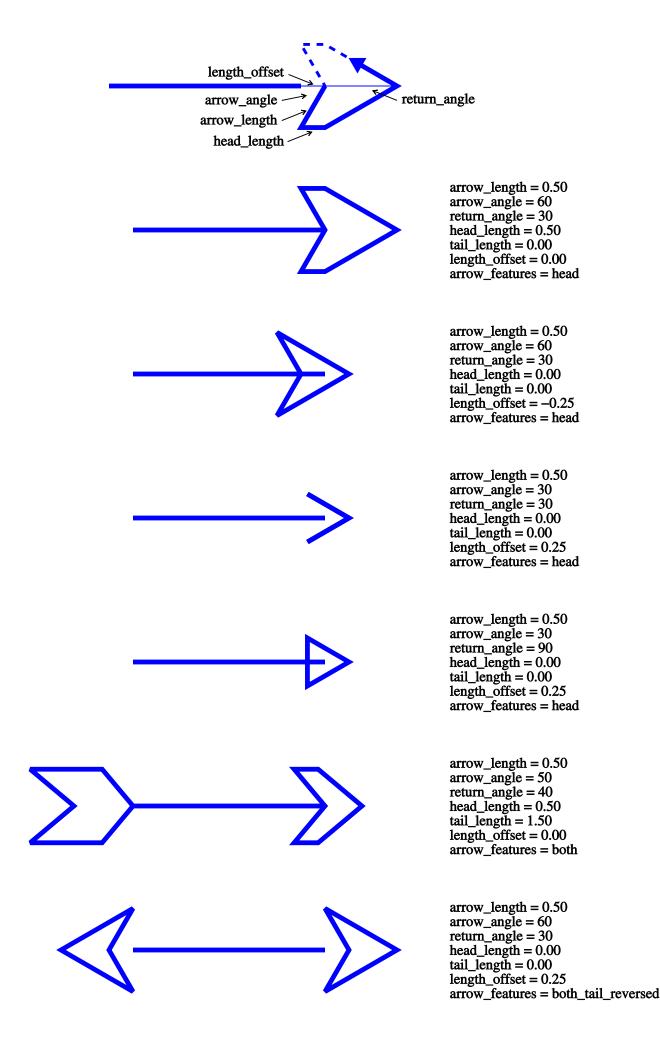
IndianRed1	LawnGreen	LightGoldenrod3
IndianRed2	LemonChiffon	LightGoldenrod4
IndianRed3	LemonChiffon1	LightGoldenrodYellow
IndianRed4	LemonChiffon2	LightGray
Ivory	LemonChiffon3	LightPink
Ivory1	LemonChiffon4	LightPink1
Ivory2	LightBlue	LightPink2
Ivory3	LightBlue1	LightPink3 LightPink4
Ivory4	LightBlue2	LightPink4
Khaki	LightBlue3	LightSalmon
Khaki1	LightBlue4	LightSalmon1
Khaki2	LightCoral	LightSalmon2
Khaki3	LightCyan	LightSalmon3
Khaki4	LightCyan1	LightSalmon4
Lavender	LightCyan2	LightSeaGreen
LavenderBlush	LightCyan3	LightSkyBlue
LavenderBlush1	LightCyan4	LightSkyBlue1
LavenderBlush2	LightGoldenrod	LightSkyBlue2
LavenderBlush3	LightGoldenrod1	LightSkyBlue3
LavenderBlush4	LightGoldenrod2	LightSkyBlue4

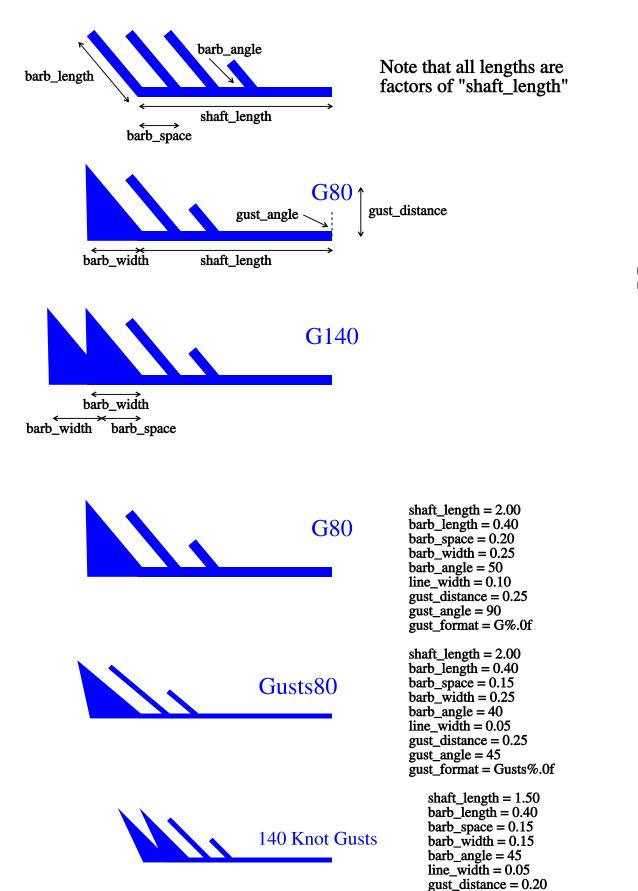
LightSlateBlue	Maroon1	MediumSpringGreen
LightSlateGray	Maroon2	MediumTurquoise
LightSteelBlue	Maroon3	MediumVioletRed
LightSteelBlue1	Maroon4	MidnightBlue
LightSteelBlue2	MediumAquamarine	MintCream
LightSteelBlue3	MediumBlue	MistyRose
LightSteelBlue4	MediumForestGreen	MistyRose1
LightYellow	MediumGoldenrod	MistyRose2
LightYellow1	MediumOrchid	MistyRose3
LightYellow2	MediumOrchid1	MistyRose4
LightYellow3	MediumOrchid2	Moccasin
LightYellow4	MediumOrchid3	NavajoWhite
LimeGreen	MediumOrchid4	NavajoWhite1
Linen	MediumPurple	NavajoWhite2
Magenta	MediumPurple1	NavajoWhite3
Magenta1	MediumPurple2	NavajoWhite4
Magenta2	MediumPurple3	Navy
Magenta3	MediumPurple4	NavyBlue
Magenta4	MediumSeaGreen	OldLace
Maroon	MediumSlateBlue	OliveDrab

OliveDrab1	PaleGreen	PeachPuff4
OliveDrab2	PaleGreen1	Peru
OliveDrab3	PaleGreen2	Pink
OliveDrab4	PaleGreen3	Pink1
Orange	PaleGreen4	Pink2
Orange1	PaleTurquoise	Pink3
Orange2	PaleTurquoise1	Pink4
Orange3	PaleTurquoise2	Plum
Orange4	PaleTurquoise3	Plum1
OrangeRed	PaleTurquoise4	Plum2
OrangeRed1	PaleVioletRed	Plum3
OrangeRed2	PaleVioletRed1	Plum4
OrangeRed3	PaleVioletRed2	PowderBlue
OrangeRed4	PaleVioletRed3	Red
Orchid	PaleVioletRed4	Red1
Orchid1	PapayaWhip	Red2
Orchid2	PeachPuff	Red3
Orchid3	PeachPuff1	Red4
Orchid4	PeachPuff2	RosyBrown
PaleGoldenrod	PeachPuff3	RosyBrown1

RosyBrown2	SeaShell	SlateGray
RosyBrown3	SeaShell1	SlateGray1
RosyBrown4	SeaShell2	SlateGray2
RoyalBlue	SeaShell3	SlateGray3
RoyalBlue1	SeaShell4	SlateGray4
RoyalBlue2	Sienna	Snow
RoyalBlue3	Sienna1	Snow1
RoyalBlue4	Sienna2	Snow2
SaddleBrown	Sienna3	Snow3
Salmon	Sienna4	Snow4
Salmon1	SkyBlue	SpringGreen
Salmon2	SkyBlue1	SpringGreen1
Salmon3	SkyBlue2	SpringGreen2
Salmon4	SkyBlue3	SpringGreen3
SandyBrown	SkyBlue4	SpringGreen4
SeaGreen	SlateBlue	SteelBlue
SeaGreen1	SlateBlue1	SteelBlue1
SeaGreen2	SlateBlue2	SteelBlue2
SeaGreen3	SlateBlue3	SteelBlue3
SeaGreen4	SlateBlue4	SteelBlue4

Tan	Turquoise4
Tan1	Violet
Tan2	VioletRed
Tan3	VioletRed1
Tan4	VioletRed2
Thistle	VioletRed3
Thistle1	VioletRed4
Thistle2	Wheat
Thistle3	Wheat1
Thistle4	Wheat2
Tomato	Wheat3
Tomato1	Wheat4
Tomato2	White
Tomato3	WhiteSmoke
Tomato4	Yellow
Transparent	Yellow1
Turquoise	Yellow2
Turquoise1	Yellow3
Turquoise2	Yellow4
Turquoise3	YellowGreen





 $gust_angle = 60$

gust_format = %.0f Knot Gusts