

PROFESSIONAL LEVEL 1 WORKBOOK



Full Profile Documentation Notes

From Snow, Weather, and Avalanche Guidelines for the US (SWAG)

PRECIPITATION

TYPE	SHORTHAND
None	NO
HN24<1 cm	T
Snowfall <1cm/hr	S-1
Snowfall = 1cm/hr	S1
Snowfall = 2 cm/hr	S2
V.light Rain/mist	RV
Light rain <2.5mm/hr	RL
Moderate rain 2.5-7.5mm/hr	RM
Heavy rain>7.5mm/hr	RH

SKY CONDITION

TYPE	SYMBOL
Clear <1/8 covered	○
Few <1/4 covered	⊖
Scattered <1/2 covered	⊕
Broken >1/2 covered	⊗
Overcast (fully covered)	⊕
Obscured	⊗
Valley Fog	VF

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SNOW SYMBOLS

New Snow	+	PP
Graupel		PPgp
Decomposing & Fragment Particles		DF
Rounds		RG
Rounds going to Facets		RGxf
Facets		FC
Near Surface Facets		FCsf
Surface Hoar		SH
Depth Hoar		DH
Facets going to Rounds		FCxr
Wet Snow/Melt Forms		MF
Melt Freeze Crust		MFcr

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COMMONLY USED ABBREVIATIONS FOR FIELD NOTES

HS = Height of Snowpack

HN24 = Height of new snow in past 24 hrs

HN24W = Height of new water equiv. in past 24 hrs

HN = Height of New snow

HNW = Water equivalent – New Snow

HST = Height of Storm snow

T = Temperature

Ta = Air Temperature

Ts = Snow Surface Temperature

T10 = Temperature of the snow 10 cm below the surface

PS = Ski Penetration

PF = Foot Penetration

PERSONAL ABBREVIATIONS

May be useful for stability rose documentation

NOTE: These abbreviations are not from SWAG

AST = Available Snow for Transport

↓ = Down from Surface (e.g. ↓50 means 50cm down from surface)

↑ = Up from Ground (e.g. ↑112 means 112cm up from ground)