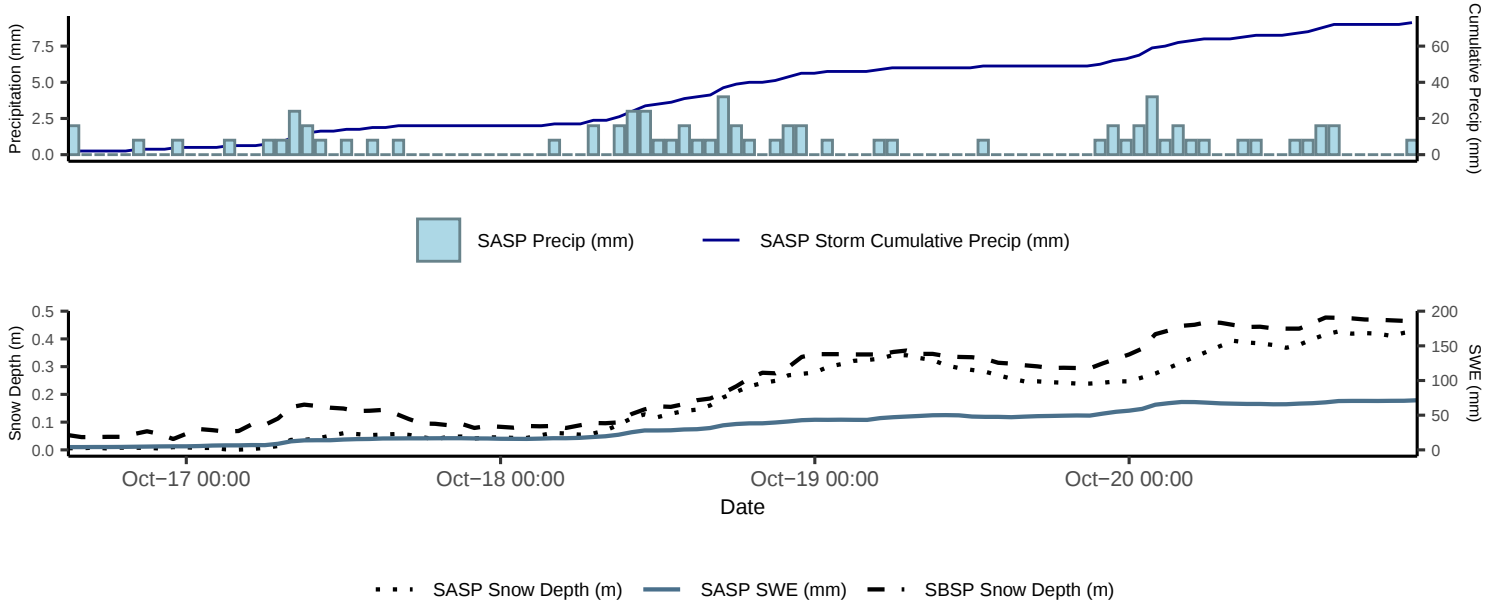


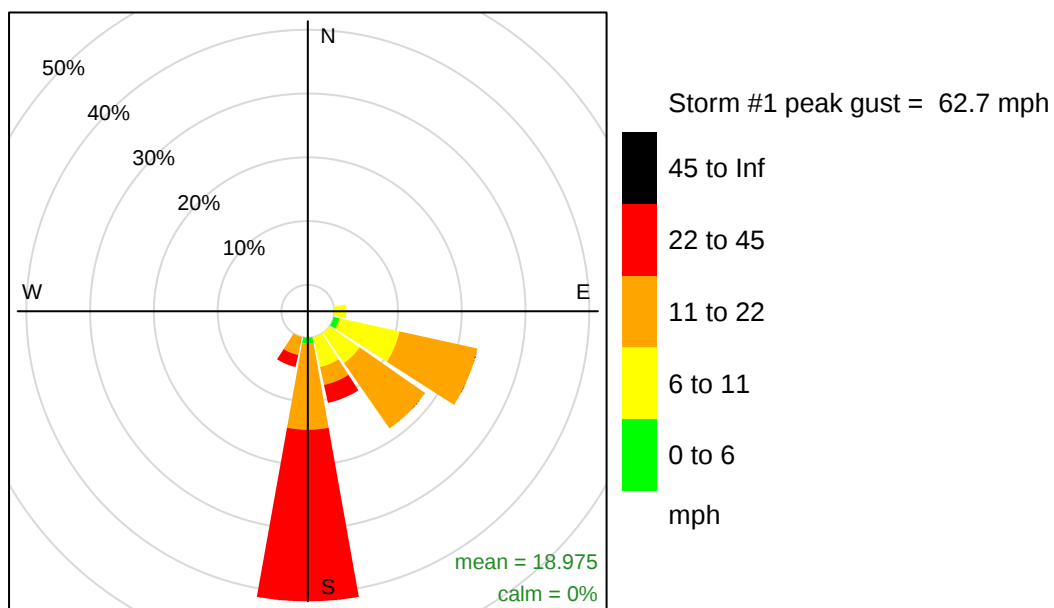
WY2025 Winter Storm #1

STORM START: 2024-10-16 15:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2024-10-16 15:00:00 MST
Storm end	2024-10-20 22:00:00 MST
Storm duration (hours)	103
Mean precip intensity	0.7 mm/hour (0.03 in/hour)
Max precip intensity	4 mm/hour (0.16 in/hour)
Storm water content (SWE)	67.5 mm (2.7 in)
Storm water content (precipitation)	71 mm (2.8 in)
Max accumulated depth Swamp Angel	0.43 m (16.9 in)
Max accumulated depth Senator Beck	0.44 m (17.2 in)
Putney average wind direction	154.6 degrees (SSE)
Putney average wind speed	8.5 m/s (19 mph)

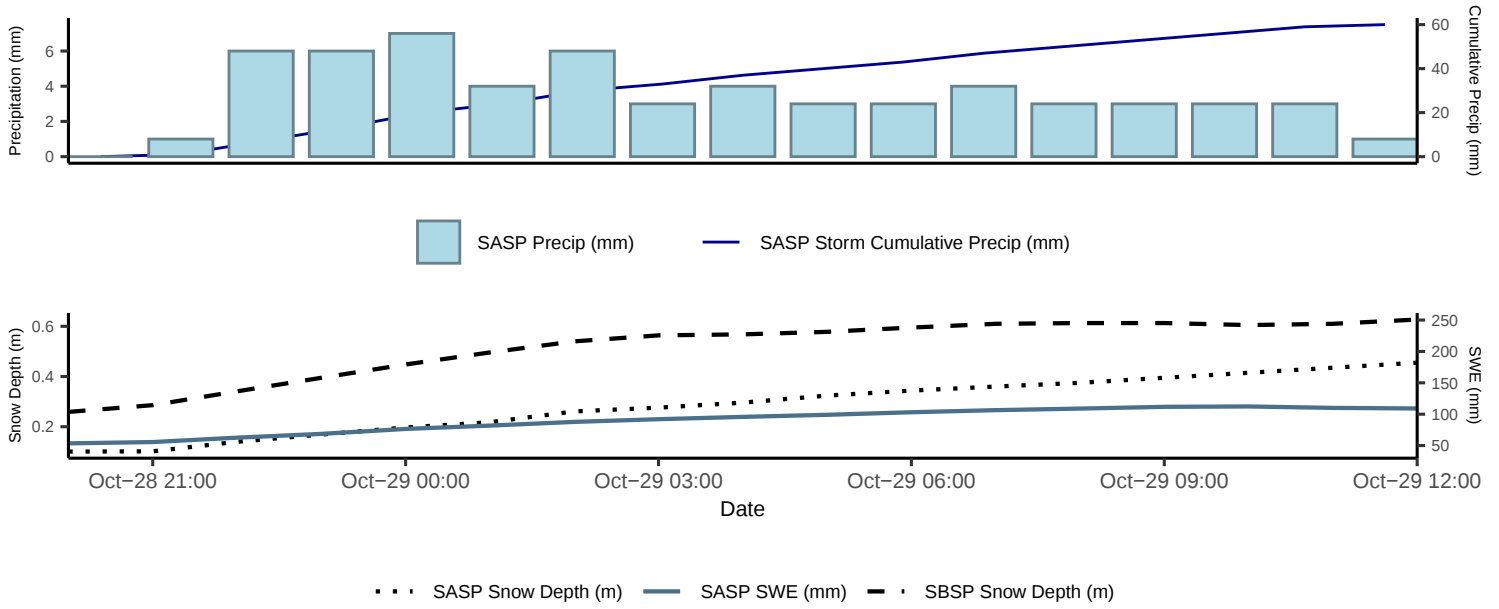
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

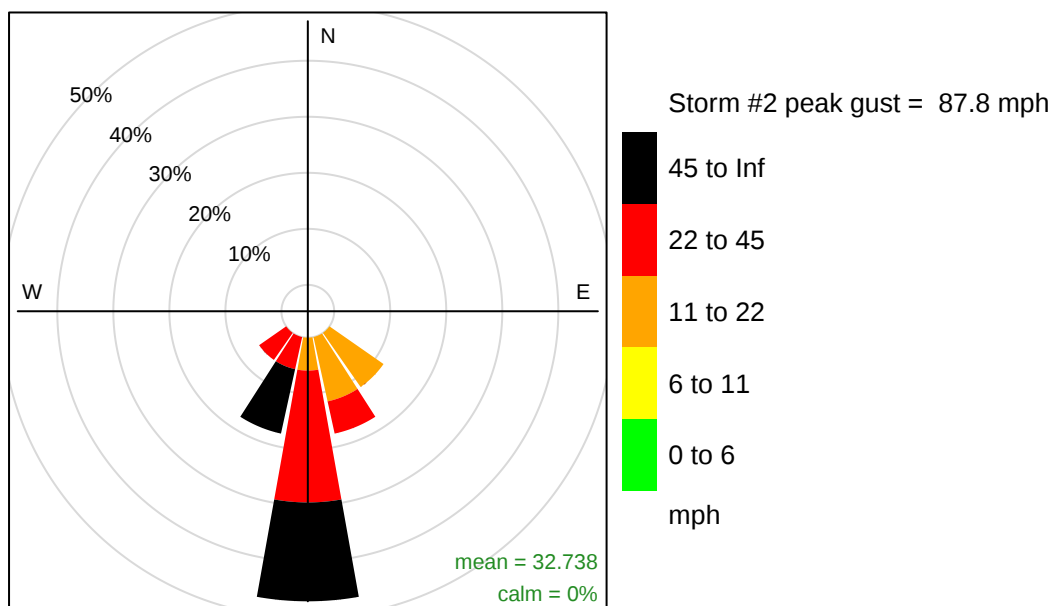
WY2025 Winter Storm #2

STORM START: 2024-10-28 20:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2024-10-28 20:00:00 MST
Storm end	2024-10-29 12:00:00 MST
Storm duration (hours)	16
Mean precip intensity	3.5 mm/hour (0.14 in/hour)
Max precip intensity	7 mm/hour (0.28 in/hour)
Storm water content (SWE)	58.8 mm (2.3 in)
Storm water content (precipitation)	60 mm (2.4 in)
Max accumulated depth Swamp Angel	0.35 m (13.9 in)
Max accumulated depth Senator Beck	0.37 m (14.5 in)
Putney average wind direction	176.4 degrees (S)
Putney average wind speed	14.6 m/s (32.7 mph)

CSAS Putney Study Plot (12,323 ft)

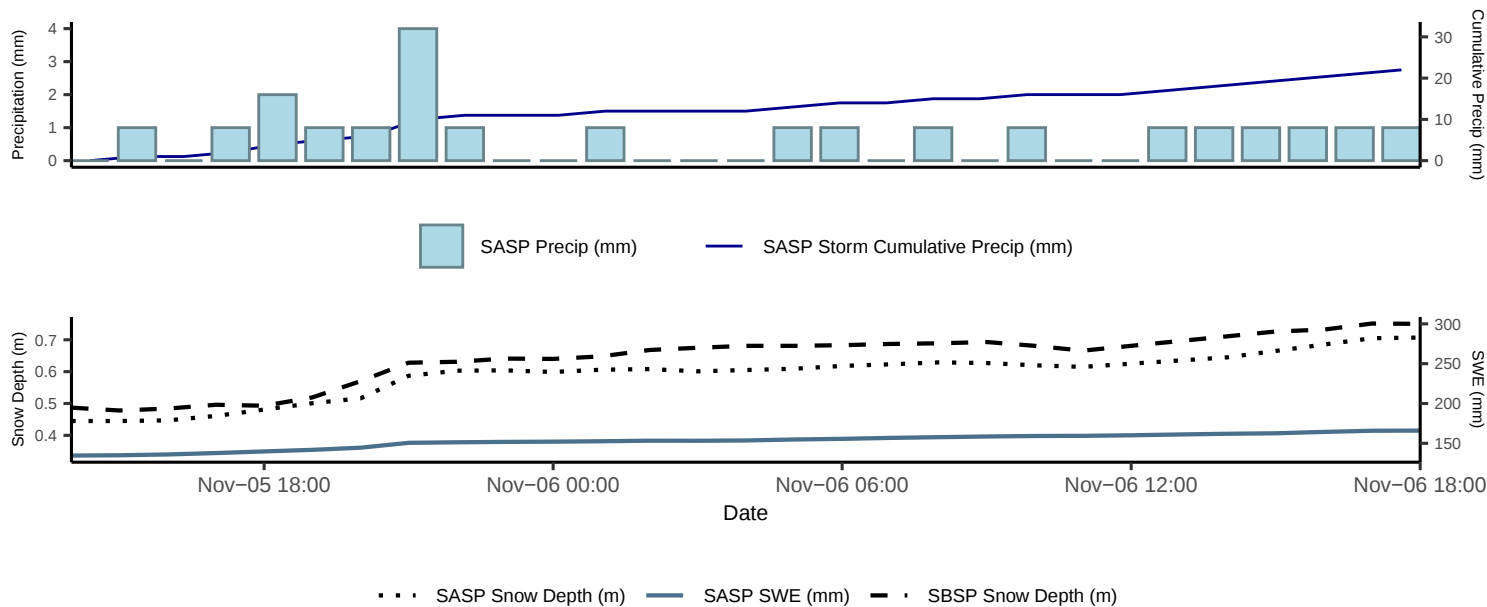


Frequency of counts by wind direction (%)



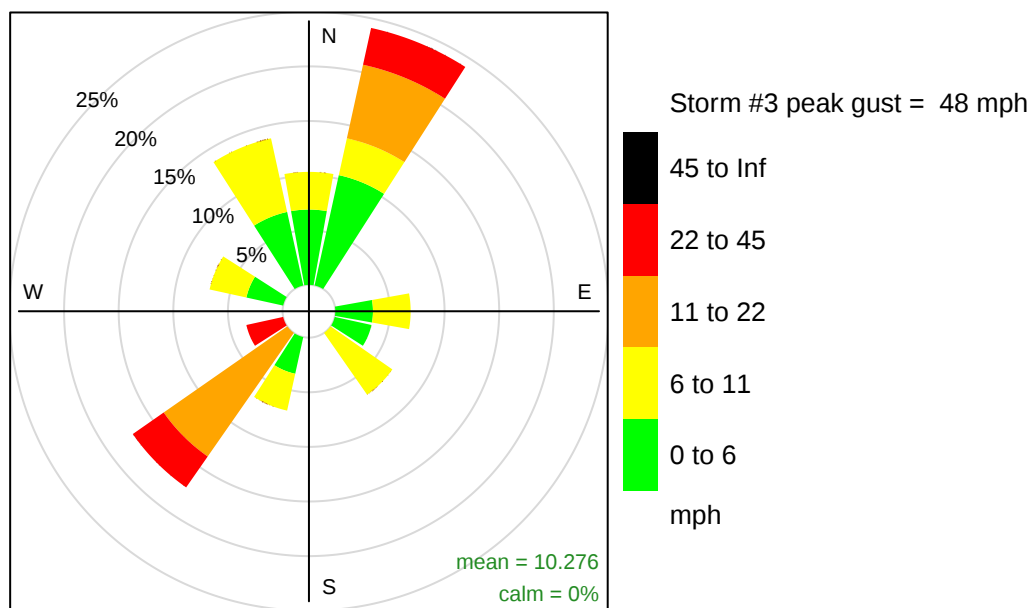
WY2025 Winter Storm #3

STORM START: 2024-11-05 14:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2024-11-05 14:00:00 MST
Storm end	2024-11-06 18:00:00 MST
Storm duration (hours)	28
Mean precip intensity	0.8 mm/hour (0.03 in/hour)
Max precip intensity	4 mm/hour (0.16 in/hour)
Storm water content (SWE)	31.4 mm (1.2 in)
Storm water content (precipitation)	22 mm (0.9 in)
Max accumulated depth Swamp Angel	0.26 m (10.3 in)
Max accumulated depth Senator Beck	0.27 m (10.7 in)
Putney average wind direction	343.3 degrees (NNW)
Putney average wind speed	4.6 m/s (10.3 mph)

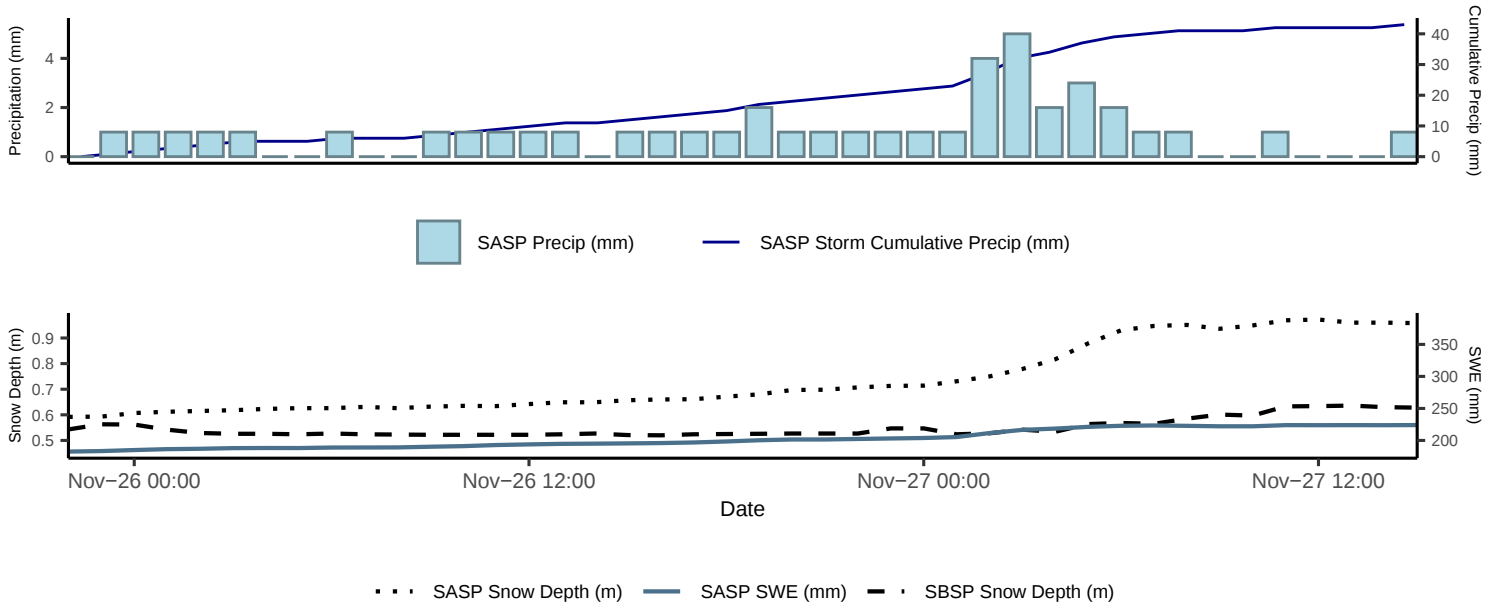
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

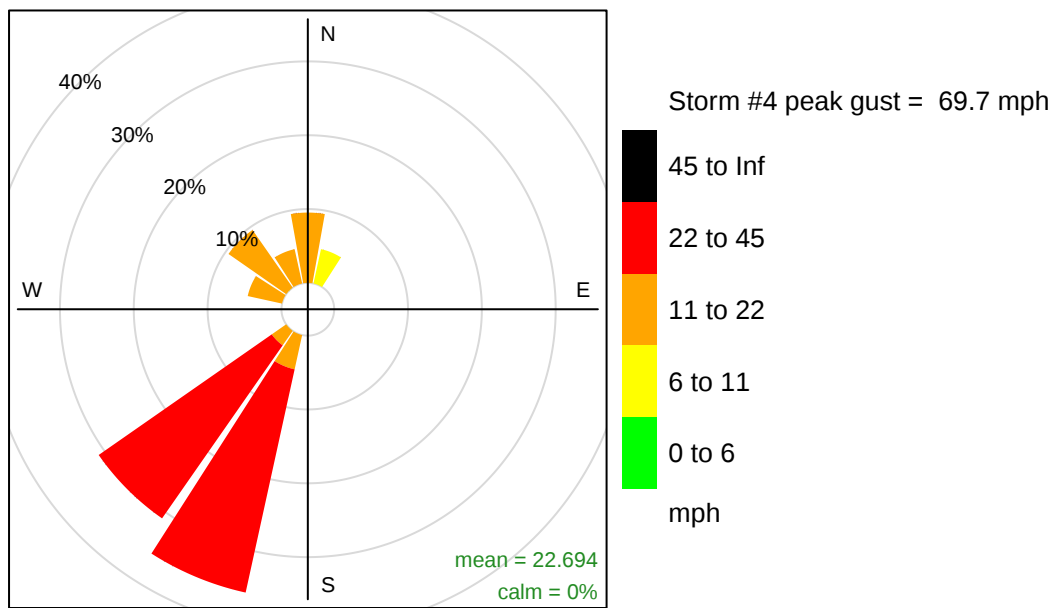
WY2025 Winter Storm #4

STORM START: 2024-11-25 22:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2024-11-25 22:00:00 MST
Storm end	2024-11-27 15:00:00 MST
Storm duration (hours)	41
Mean precip intensity	1 mm/hour (0.04 in/hour)
Max precip intensity	5 mm/hour (0.2 in/hour)
Storm water content (SWE)	41.4 mm (1.6 in)
Storm water content (precipitation)	43 mm (1.7 in)
Max accumulated depth Swamp Angel	0.38 m (15 in)
Max accumulated depth Senator Beck	0.12 m (4.6 in)
Putney average wind direction	238.3 degrees (WSW)
Putney average wind speed	10.1 m/s (22.7 mph)

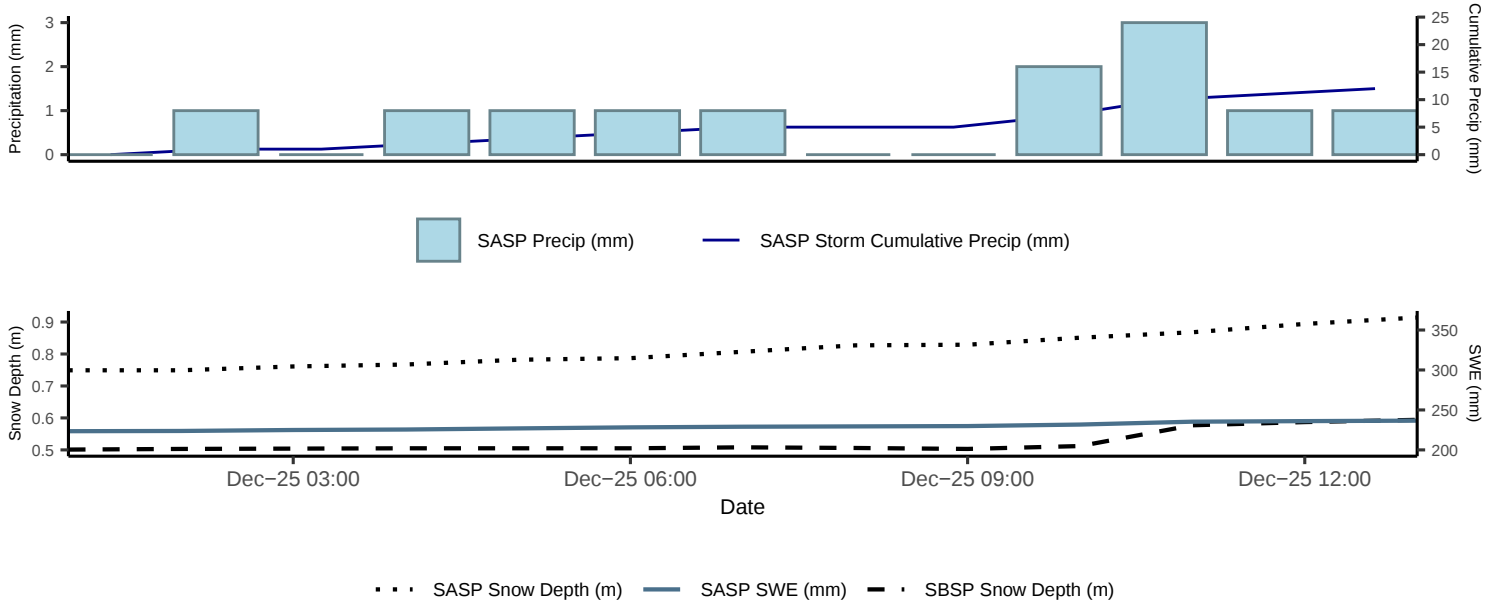
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

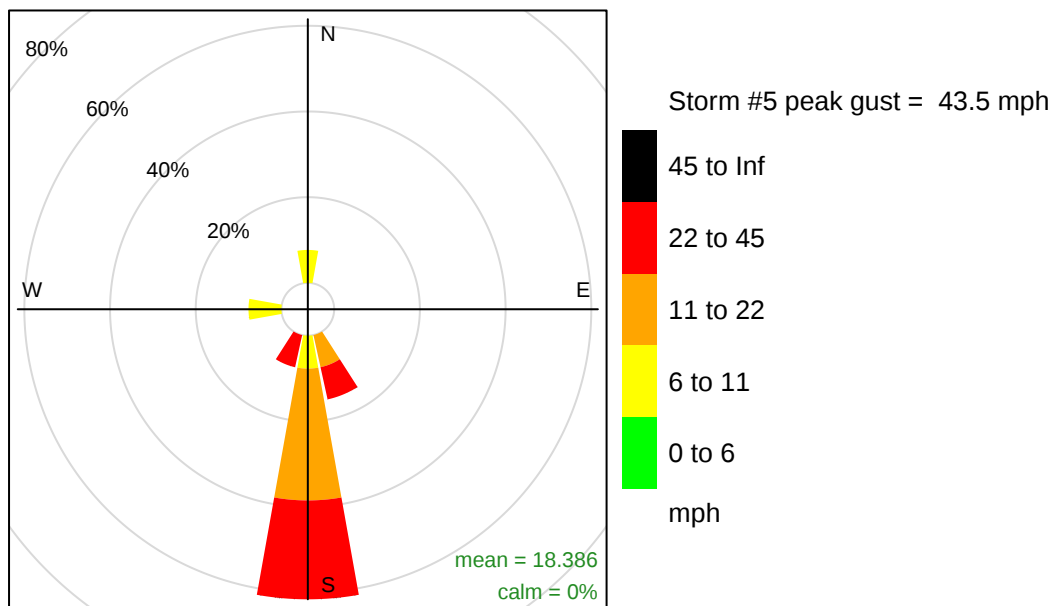
WY2025 Winter Storm #5

STORM START: 2024-12-25 01:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2024-12-25 01:00:00 MST
Storm end	2024-12-25 13:00:00 MST
Storm duration (hours)	12
Mean precip intensity	0.9 mm/hour (0.04 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	13.2 mm (0.5 in)
Storm water content (precipitation)	12 mm (0.5 in)
Max accumulated depth Swamp Angel	0.17 m (6.5 in)
Max accumulated depth Senator Beck	0.09 m (3.7 in)
Putney average wind direction	180.9 degrees (S)
Putney average wind speed	8.2 m/s (18.4 mph)

CSAS Putney Study Plot (12,323 ft)

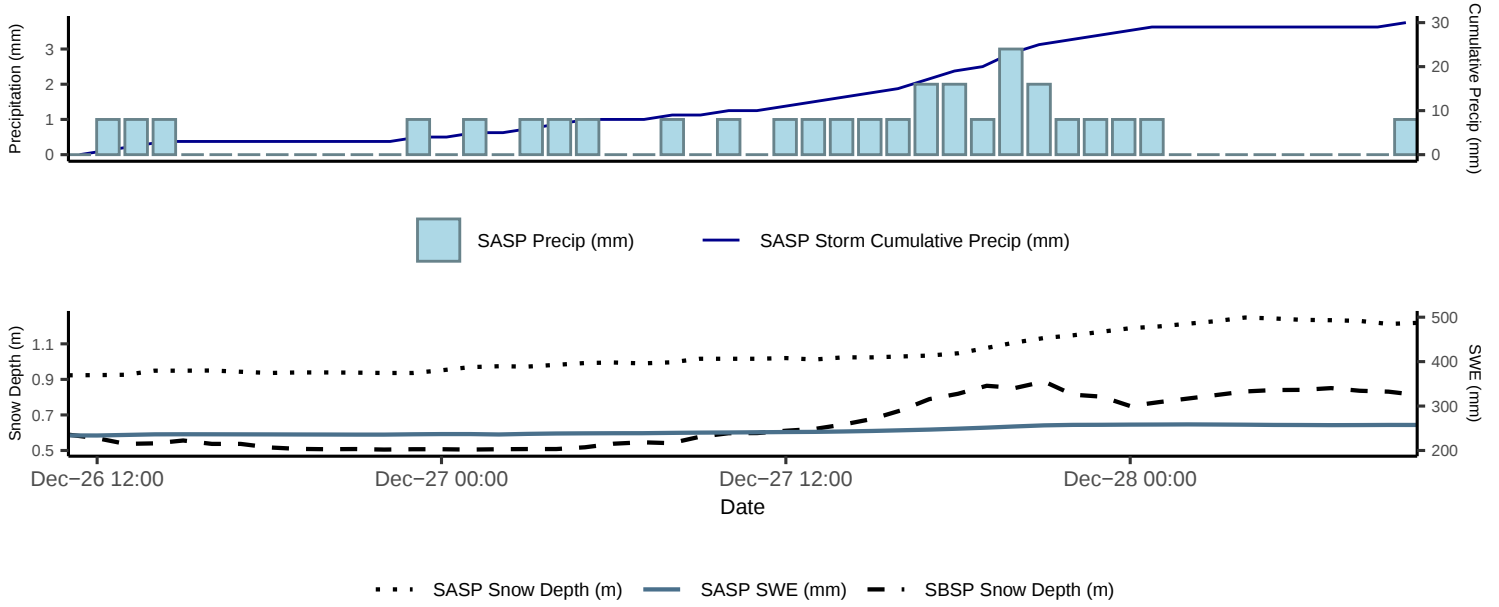


Frequency of counts by wind direction (%)



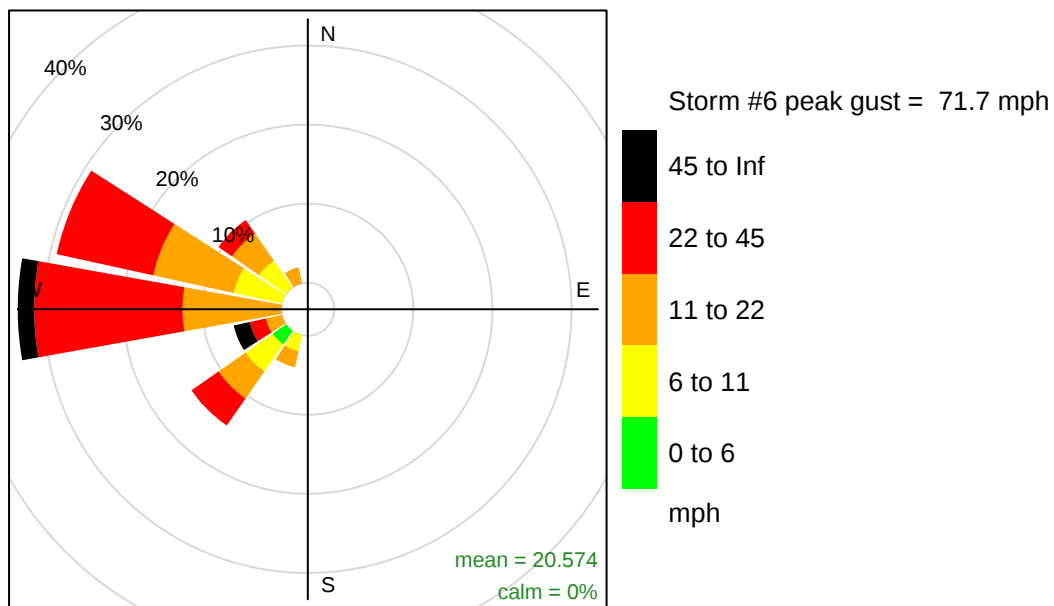
WY2025 Winter Storm #6

STORM START: 2024-12-26 11:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2024-12-26 11:00:00 MST
Storm end	2024-12-28 10:00:00 MST
Storm duration (hours)	47
Mean precip intensity	0.6 mm/hour (0.02 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	25 mm (1 in)
Storm water content (precipitation)	30 mm (1.2 in)
Max accumulated depth Swamp Angel	0.32 m (12.8 in)
Max accumulated depth Senator Beck	0.38 m (15.1 in)
Putney average wind direction	273.2 degrees (W)
Putney average wind speed	9.2 m/s (20.6 mph)

CSAS Putney Study Plot (12,323 ft)

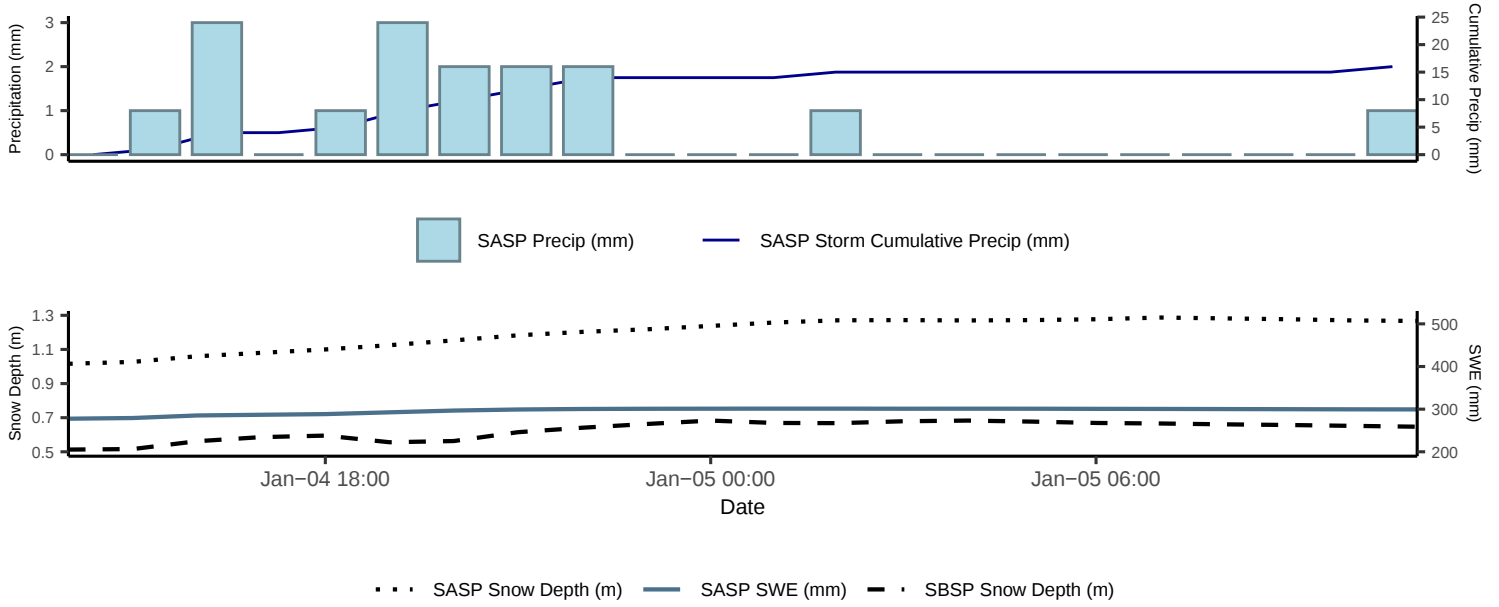


Frequency of counts by wind direction (%)



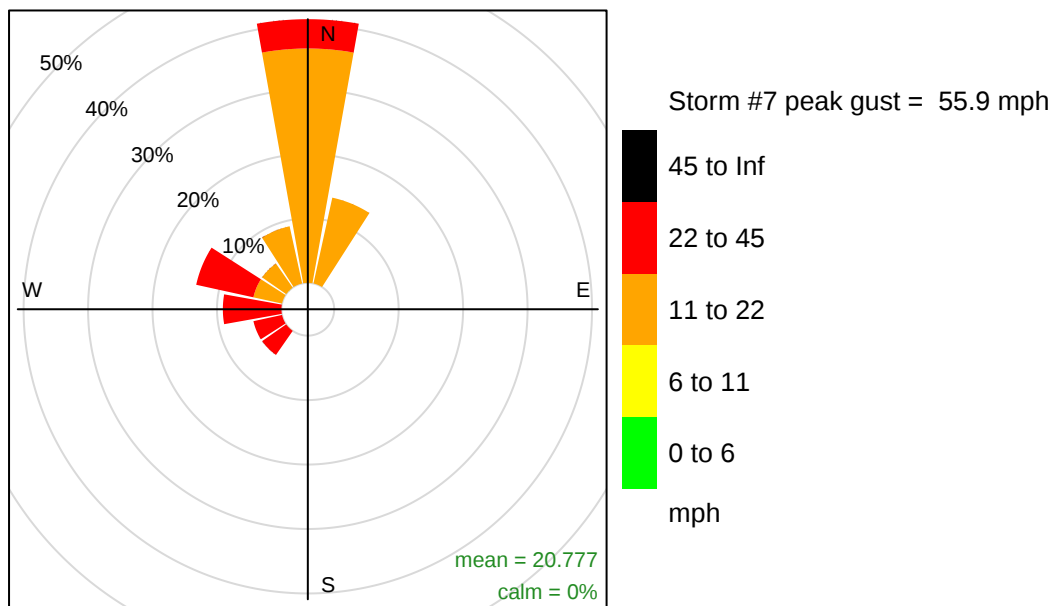
WY2025 Winter Storm #7

STORM START: 2025-01-04 14:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-01-04 14:00:00 MST
Storm end	2025-01-05 11:00:00 MST
Storm duration (hours)	21
Mean precip intensity	0.7 mm/hour (0.03 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	23.6 mm (0.9 in)
Storm water content (precipitation)	16 mm (0.6 in)
Max accumulated depth Swamp Angel	0.27 m (10.7 in)
Max accumulated depth Senator Beck	0.17 m (6.7 in)
Putney average wind direction	332.1 degrees (NNW)
Putney average wind speed	9.3 m/s (20.8 mph)

CSAS Putney Study Plot (12,323 ft)

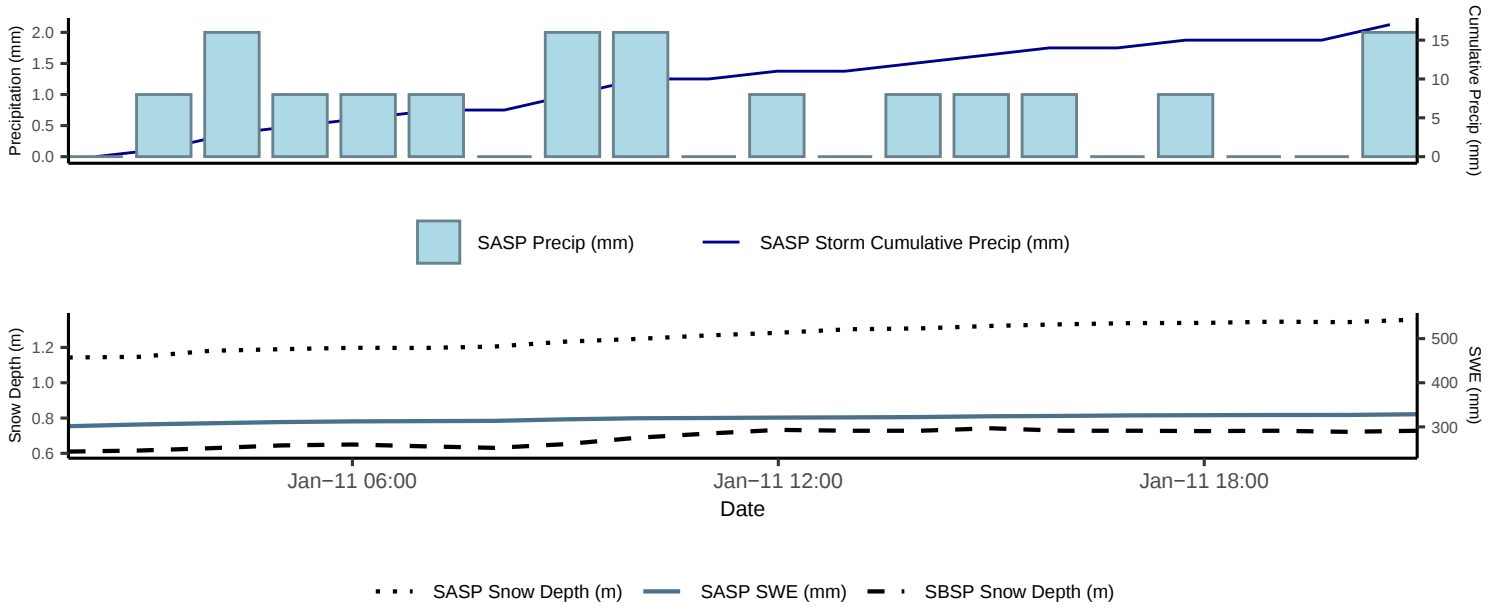


Frequency of counts by wind direction (%)



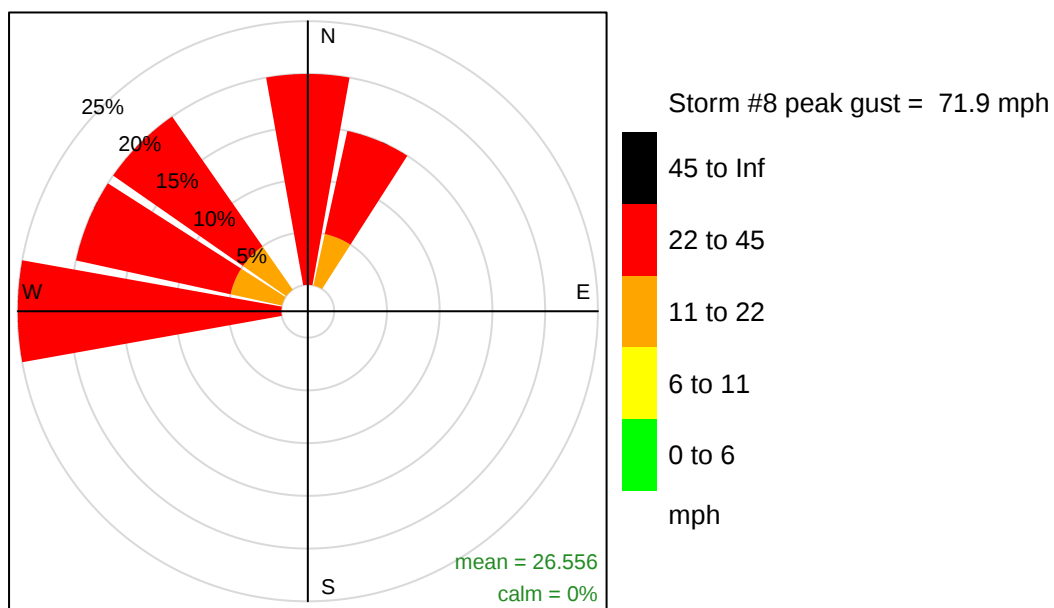
WY2025 Winter Storm #8

STORM START: 2025-01-11 02:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-01-11 02:00:00 MST
Storm end	2025-01-11 21:00:00 MST
Storm duration (hours)	19
Mean precip intensity	0.8 mm/hour (0.03 in/hour)
Max precip intensity	2 mm/hour (0.08 in/hour)
Storm water content (SWE)	27.1 mm (1.1 in)
Storm water content (precipitation)	17 mm (0.7 in)
Max accumulated depth Swamp Angel	0.22 m (8.5 in)
Max accumulated depth Senator Beck	0.13 m (5.2 in)
Putney average wind direction	316.8 degrees (NW)
Putney average wind speed	11.9 m/s (26.6 mph)

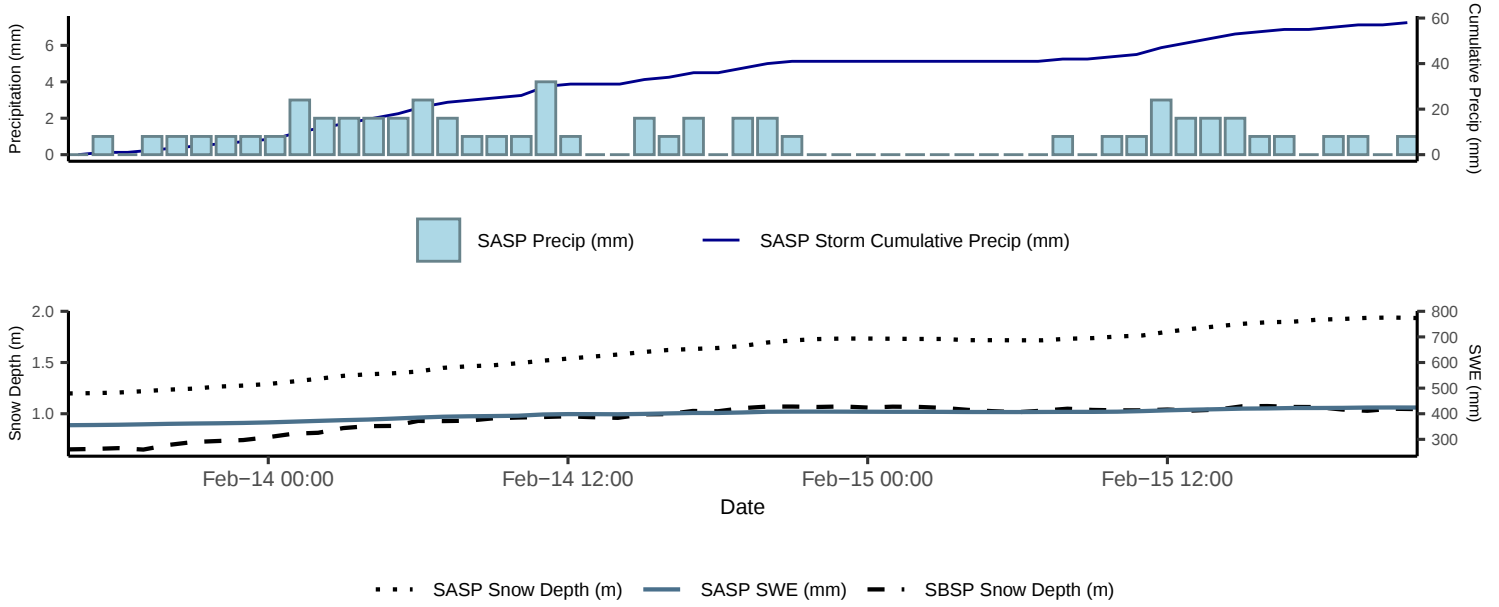
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

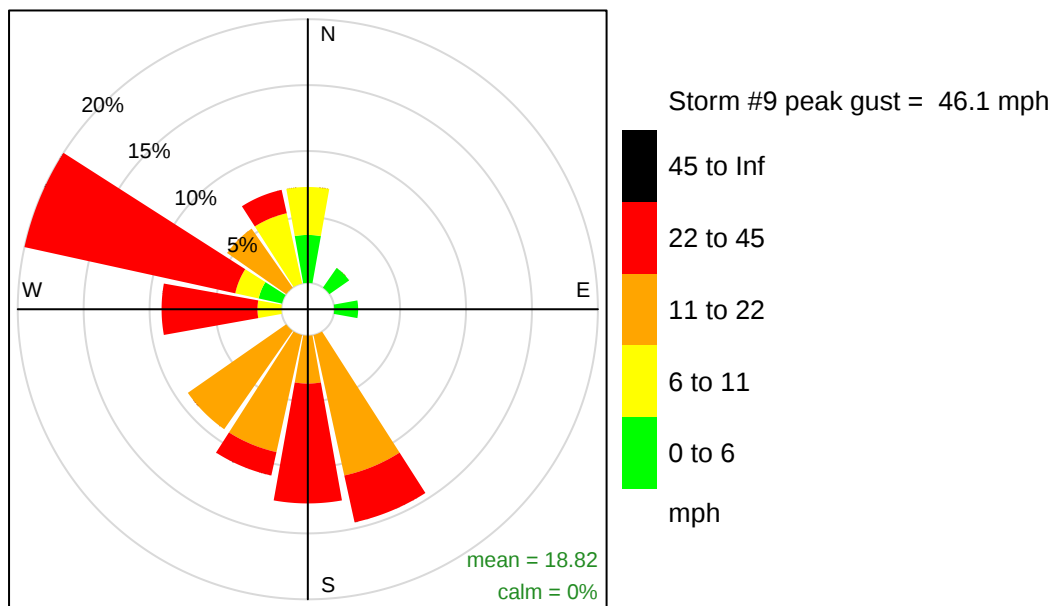
WY2025 Winter Storm #9

STORM START: 2025-02-13 16:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-02-13 16:00:00 MST
Storm end	2025-02-15 22:00:00 MST
Storm duration (hours)	54
Mean precip intensity	1.1 mm/hour (0.04 in/hour)
Max precip intensity	4 mm/hour (0.16 in/hour)
Storm water content (SWE)	69.2 mm (2.7 in)
Storm water content (precipitation)	58 mm (2.3 in)
Max accumulated depth Swamp Angel	0.74 m (29.2 in)
Max accumulated depth Senator Beck	0.42 m (16.7 in)
Putney average wind direction	245.8 degrees (WSW)
Putney average wind speed	8.4 m/s (18.8 mph)

CSAS Putney Study Plot (12,323 ft)

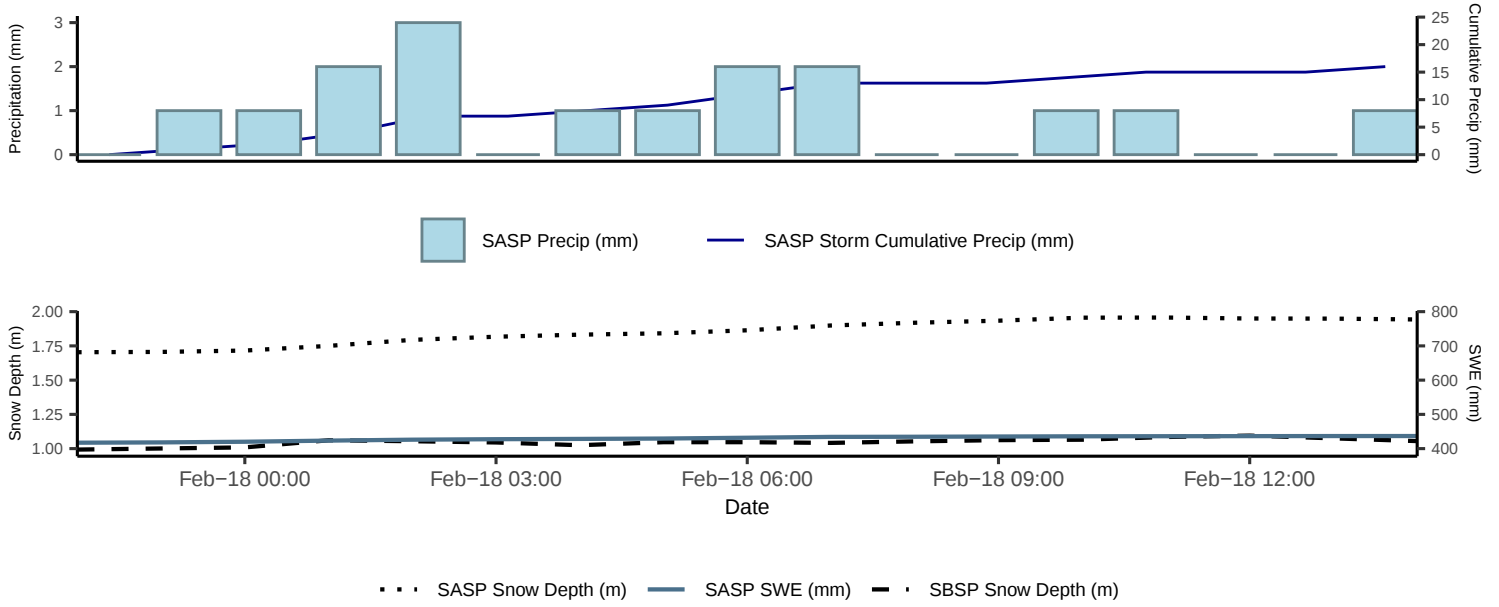


Frequency of counts by wind direction (%)



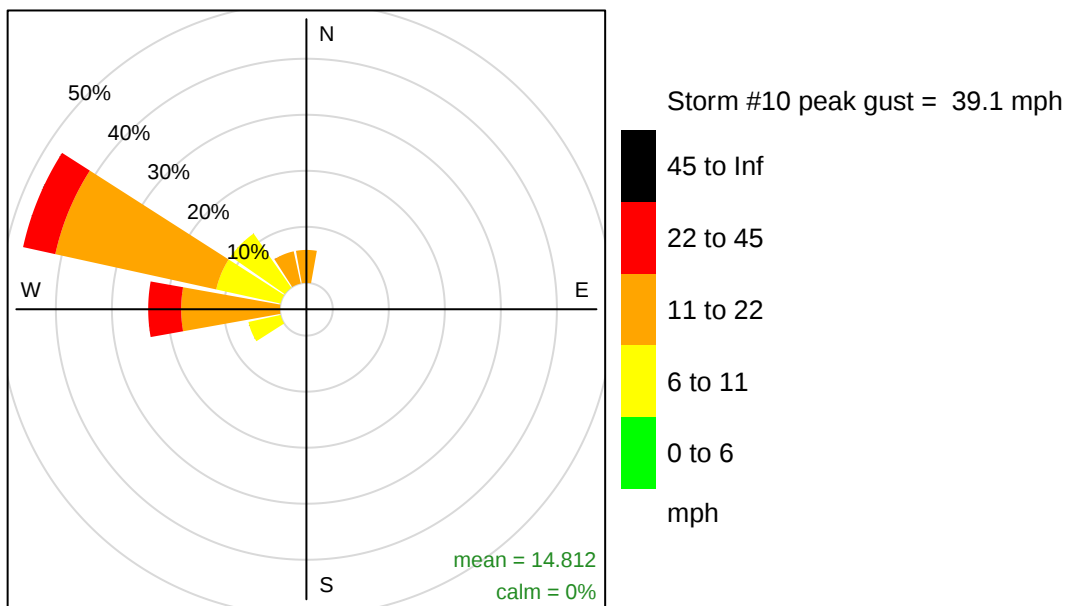
WY2025 Winter Storm #10

STORM START: 2025-02-17 22:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-02-17 22:00:00 MST
Storm end	2025-02-18 14:00:00 MST
Storm duration (hours)	16
Mean precip intensity	0.9 mm/hour (0.04 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	19.5 mm (0.8 in)
Storm water content (precipitation)	16 mm (0.6 in)
Max accumulated depth Swamp Angel	0.25 m (10 in)
Max accumulated depth Senator Beck	0.1 m (4 in)
Putney average wind direction	293.3 degrees (WNW)
Putney average wind speed	6.6 m/s (14.8 mph)

CSAS Putney Study Plot (12,323 ft)

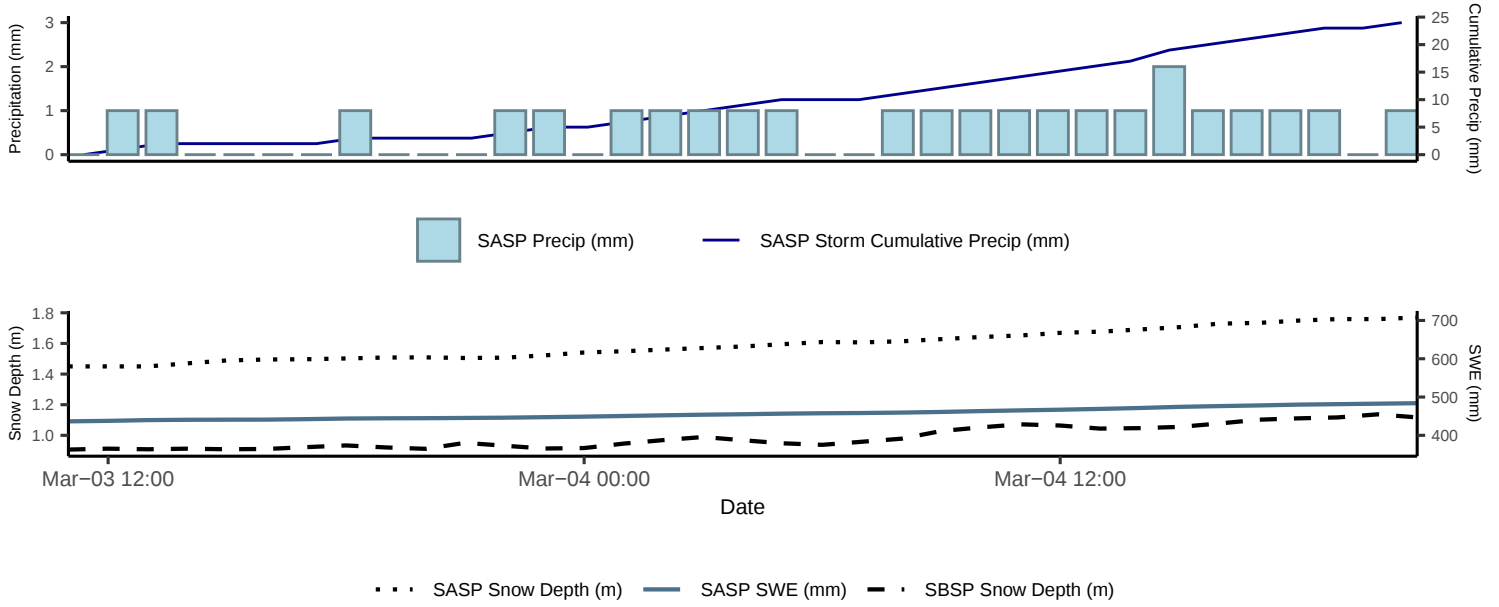


Frequency of counts by wind direction (%)



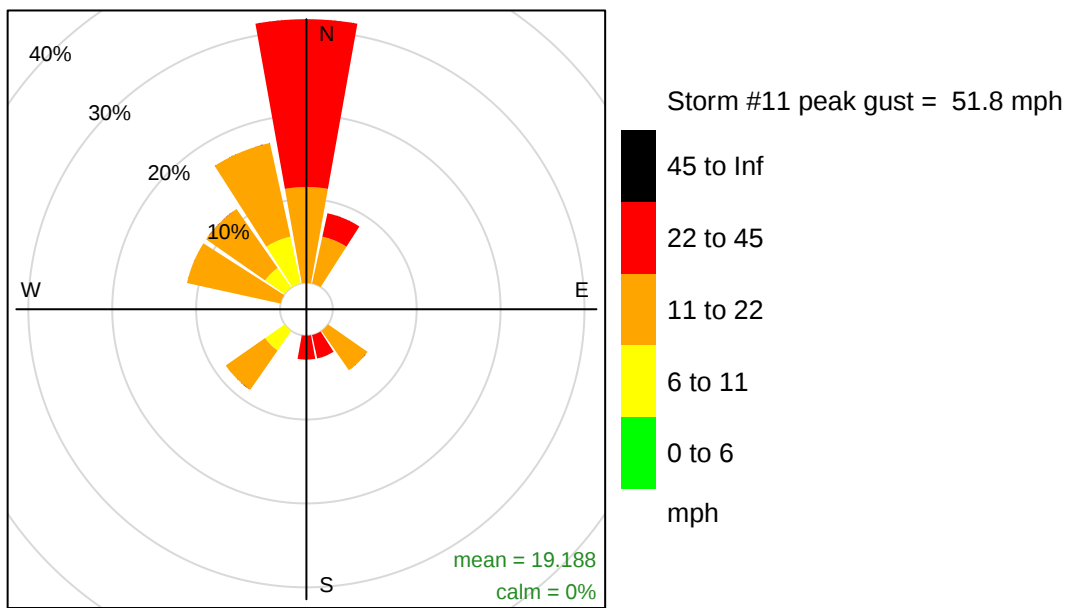
WY2025 Winter Storm #11

STORM START: 2025-03-03 11:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-03-03 11:00:00 MST
Storm end	2025-03-04 21:00:00 MST
Storm duration (hours)	34
Mean precip intensity	0.7 mm/hour (0.03 in/hour)
Max precip intensity	2 mm/hour (0.08 in/hour)
Storm water content (SWE)	47.4 mm (1.9 in)
Storm water content (precipitation)	24 mm (0.9 in)
Max accumulated depth Swamp Angel	0.32 m (12.6 in)
Max accumulated depth Senator Beck	0.23 m (9.1 in)
Putney average wind direction	334.4 degrees (NNW)
Putney average wind speed	8.6 m/s (19.2 mph)

CSAS Putney Study Plot (12,323 ft)

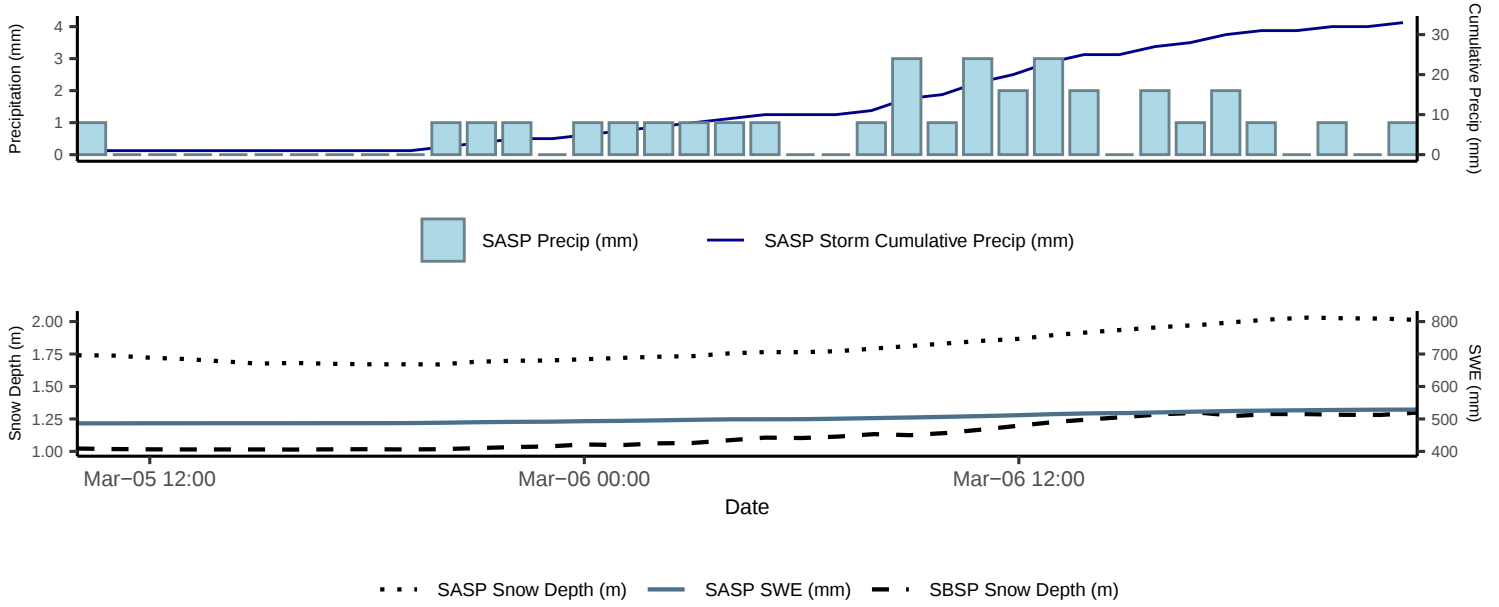


Frequency of counts by wind direction (%)



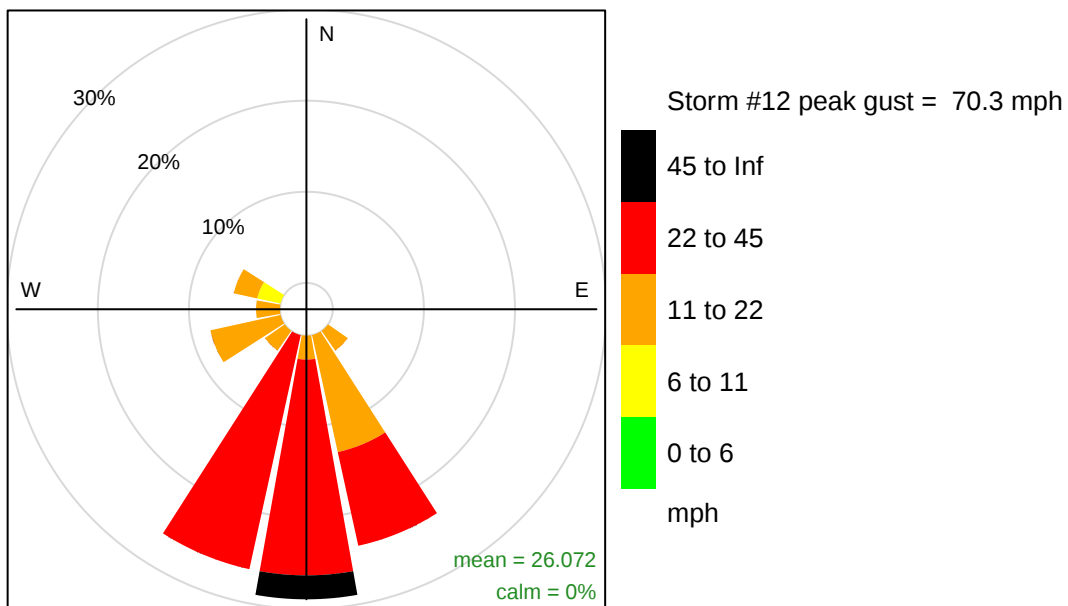
WY2025 Winter Storm #12

STORM START: 2025-03-05 10:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-03-05 10:00:00 MST
Storm end	2025-03-06 23:00:00 MST
Storm duration (hours)	37
Mean precip intensity	0.9 mm/hour (0.03 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	42.4 mm (1.7 in)
Storm water content (precipitation)	32 mm (1.3 in)
Max accumulated depth Swamp Angel	0.36 m (14.2 in)
Max accumulated depth Senator Beck	0.28 m (11.2 in)
Putney average wind direction	191.3 degrees (SSW)
Putney average wind speed	11.7 m/s (26.1 mph)

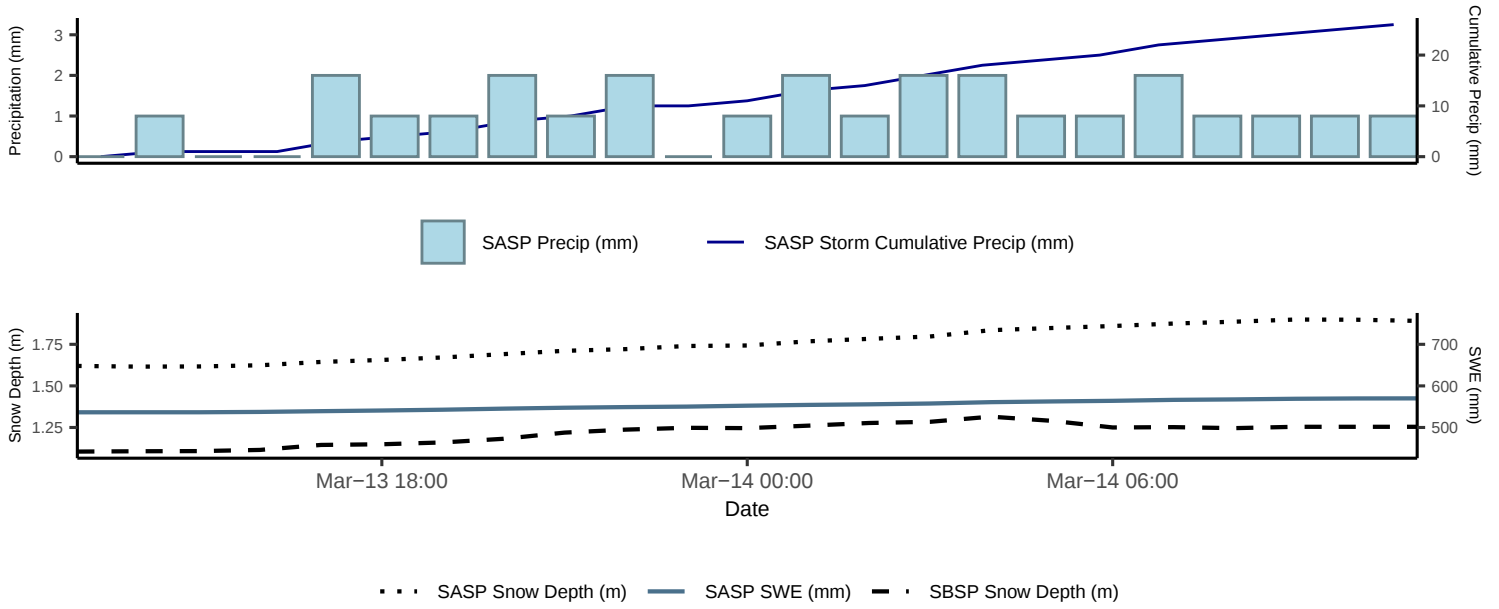
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

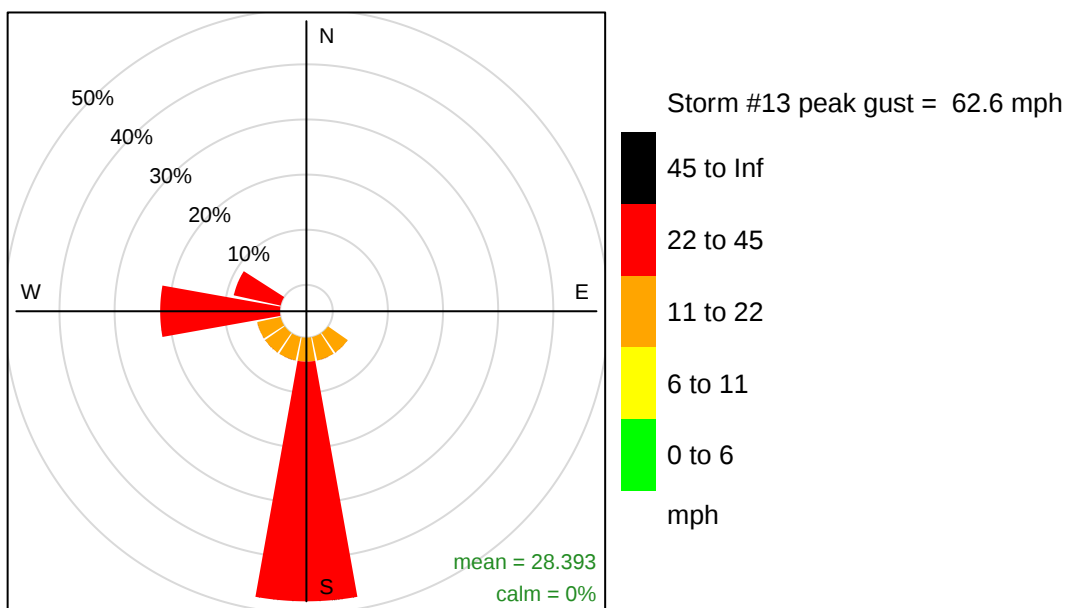
WY2025 Winter Storm #13

STORM START: 2025-03-13 13:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-03-13 13:00:00 MST
Storm end	2025-03-14 11:00:00 MST
Storm duration (hours)	22
Mean precip intensity	1.1 mm/hour (0.04 in/hour)
Max precip intensity	2 mm/hour (0.08 in/hour)
Storm water content (SWE)	33.5 mm (1.3 in)
Storm water content (precipitation)	26 mm (1 in)
Max accumulated depth Swamp Angel	0.28 m (11.1 in)
Max accumulated depth Senator Beck	0.21 m (8.3 in)
Putney average wind direction	208.8 degrees (SSW)
Putney average wind speed	12.7 m/s (28.4 mph)

CSAS Putney Study Plot (12,323 ft)

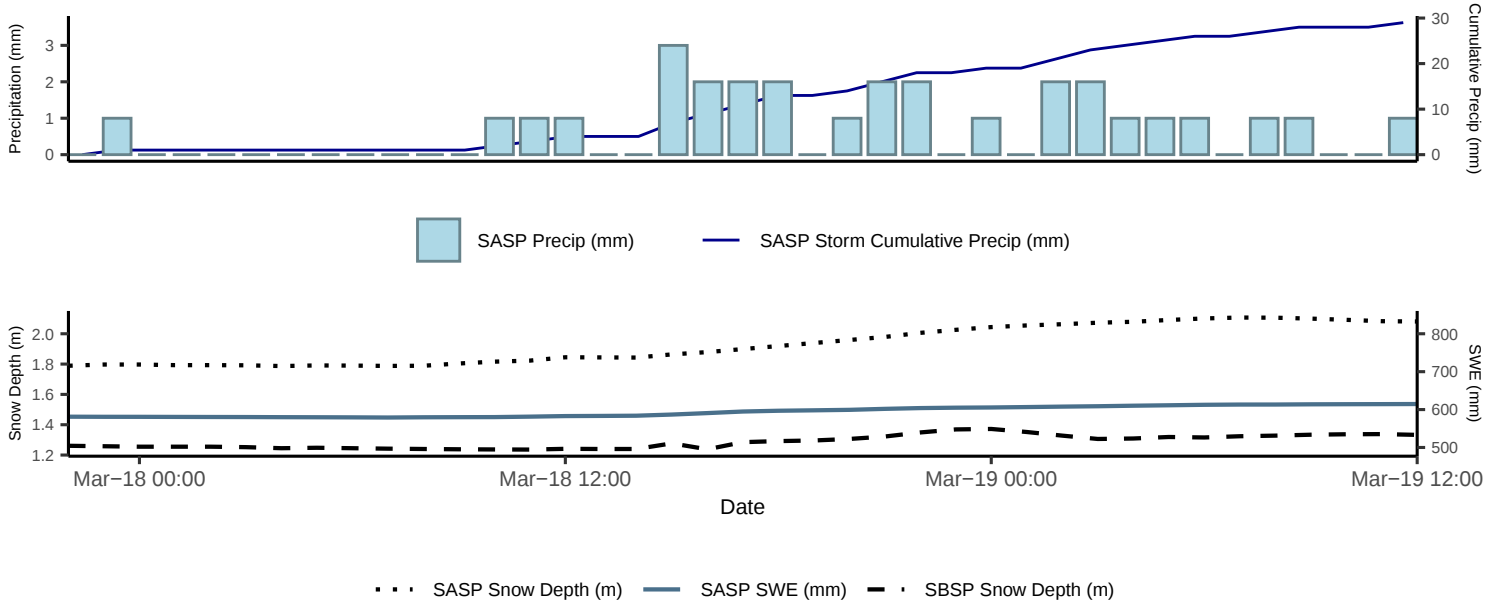


Frequency of counts by wind direction (%)



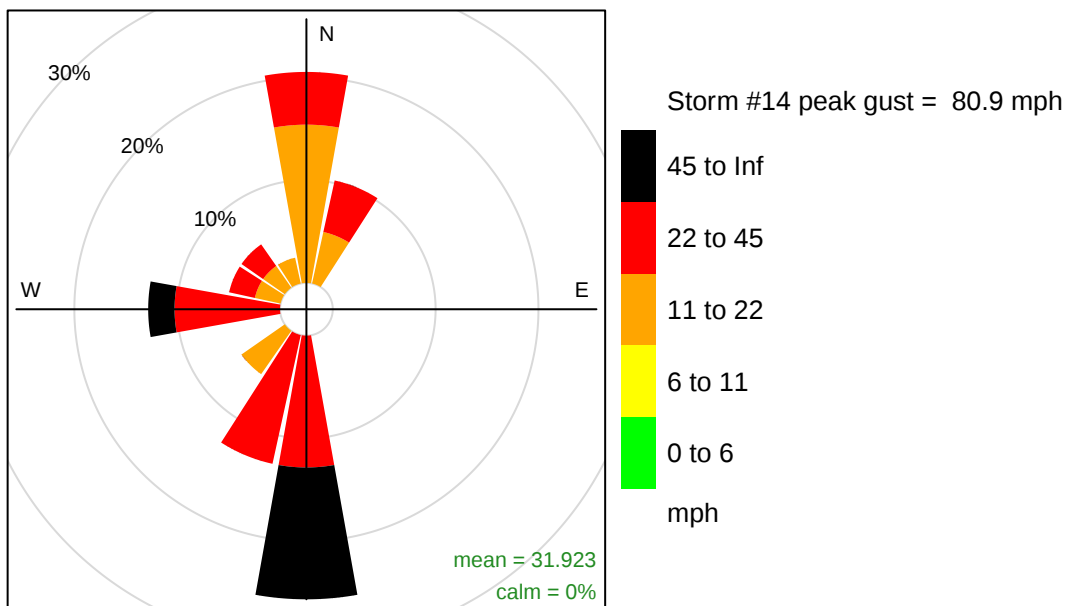
WY2025 Winter Storm #14

STORM START: 2025-03-17 22:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-03-17 22:00:00 MST
Storm end	2025-03-19 12:00:00 MST
Storm duration (hours)	38
Mean precip intensity	0.7 mm/hour (0.03 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	35.6 mm (1.4 in)
Storm water content (precipitation)	29 mm (1.1 in)
Max accumulated depth Swamp Angel	0.32 m (12.6 in)
Max accumulated depth Senator Beck	0.14 m (5.4 in)
Putney average wind direction	264.6 degrees (W)
Putney average wind speed	14.3 m/s (31.9 mph)

CSAS Putney Study Plot (12,323 ft)

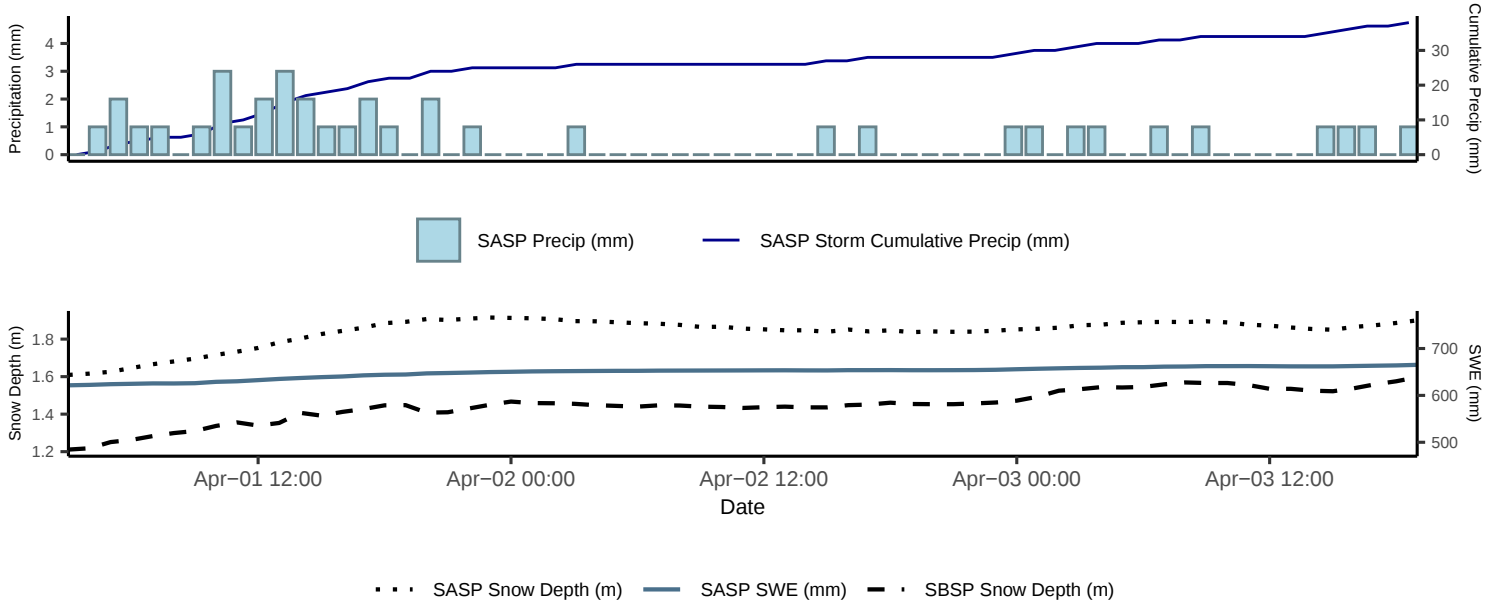


Frequency of counts by wind direction (%)



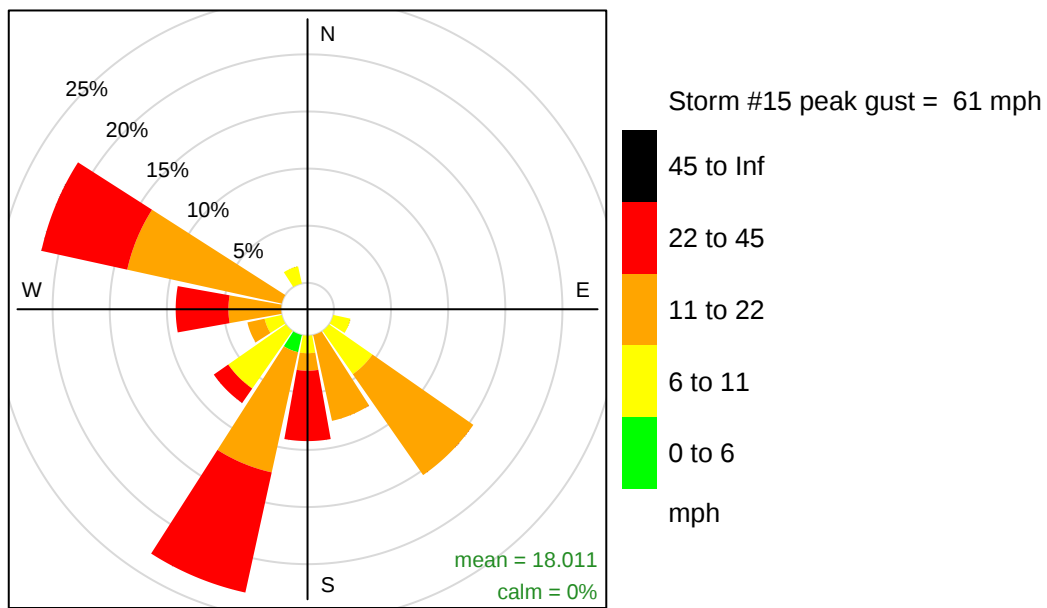
WY2025 Winter Storm #15

STORM START: 2025-04-01 03:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-04-01 03:00:00 MST
Storm end	2025-04-03 19:00:00 MST
Storm duration (hours)	64
Mean precip intensity	0.6 mm/hour (0.02 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	43.6 mm (1.7 in)
Storm water content (precipitation)	38 mm (1.5 in)
Max accumulated depth Swamp Angel	0.31 m (12 in)
Max accumulated depth Senator Beck	0.39 m (15.2 in)
Putney average wind direction	213.3 degrees (SSW)
Putney average wind speed	8.1 m/s (18 mph)

CSAS Putney Study Plot (12,323 ft)

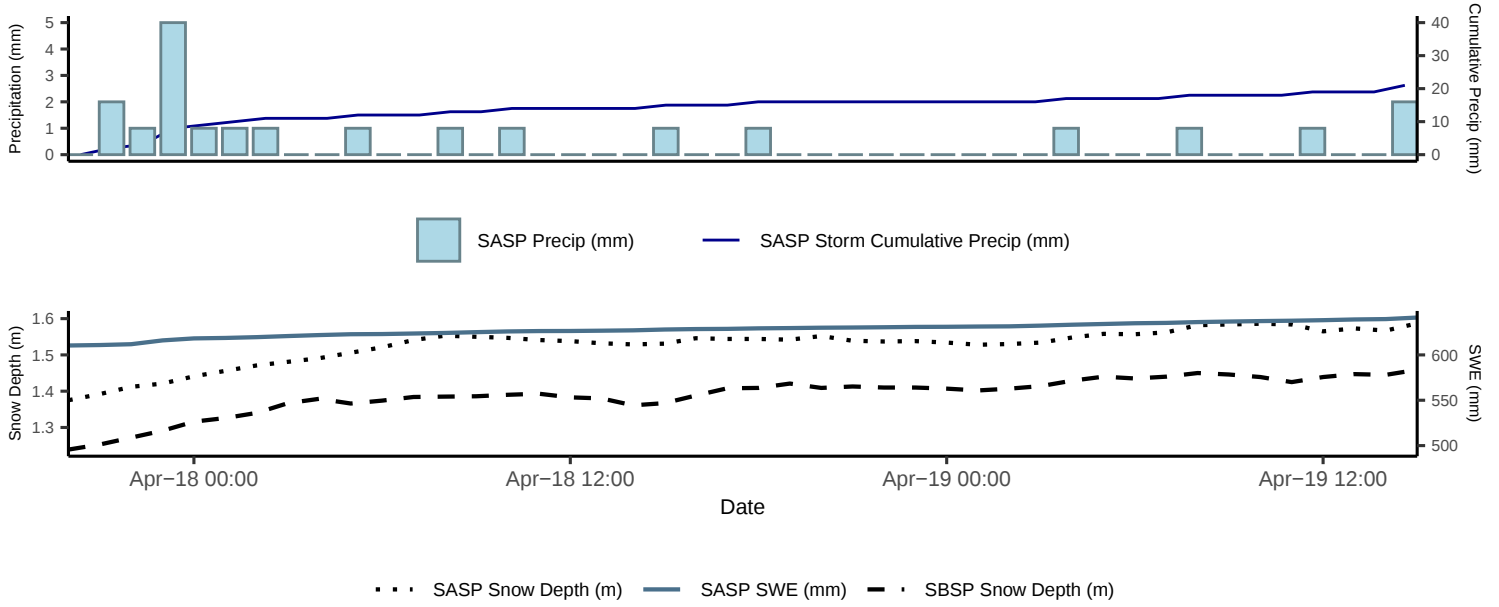


Frequency of counts by wind direction (%)



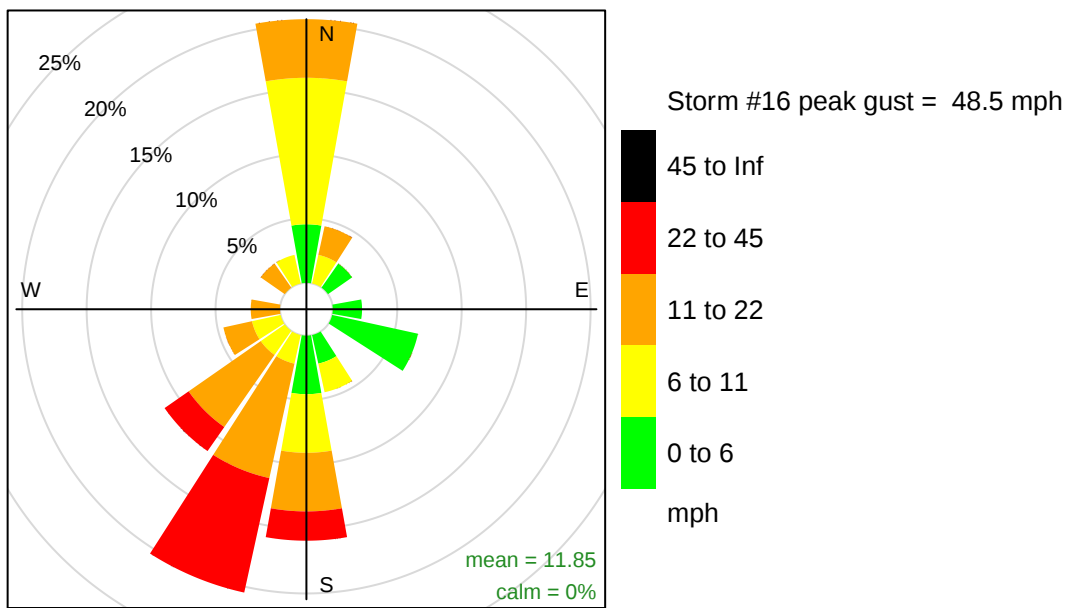
WY2025 Winter Storm #16

STORM START: 2025-04-17 20:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-04-17 20:00:00 MST
Storm end	2025-04-19 15:00:00 MST
Storm duration (hours)	43
Mean precip intensity	0.5 mm/hour (0.02 in/hour)
Max precip intensity	5 mm/hour (0.2 in/hour)
Storm water content (SWE)	30.8 mm (1.2 in)
Storm water content (precipitation)	21 mm (0.8 in)
Max accumulated depth Swamp Angel	0.21 m (8.3 in)
Max accumulated depth Senator Beck	0.22 m (8.7 in)
Putney average wind direction	215.6 degrees (SW)
Putney average wind speed	5.3 m/s (11.8 mph)

CSAS Putney Study Plot (12,323 ft)

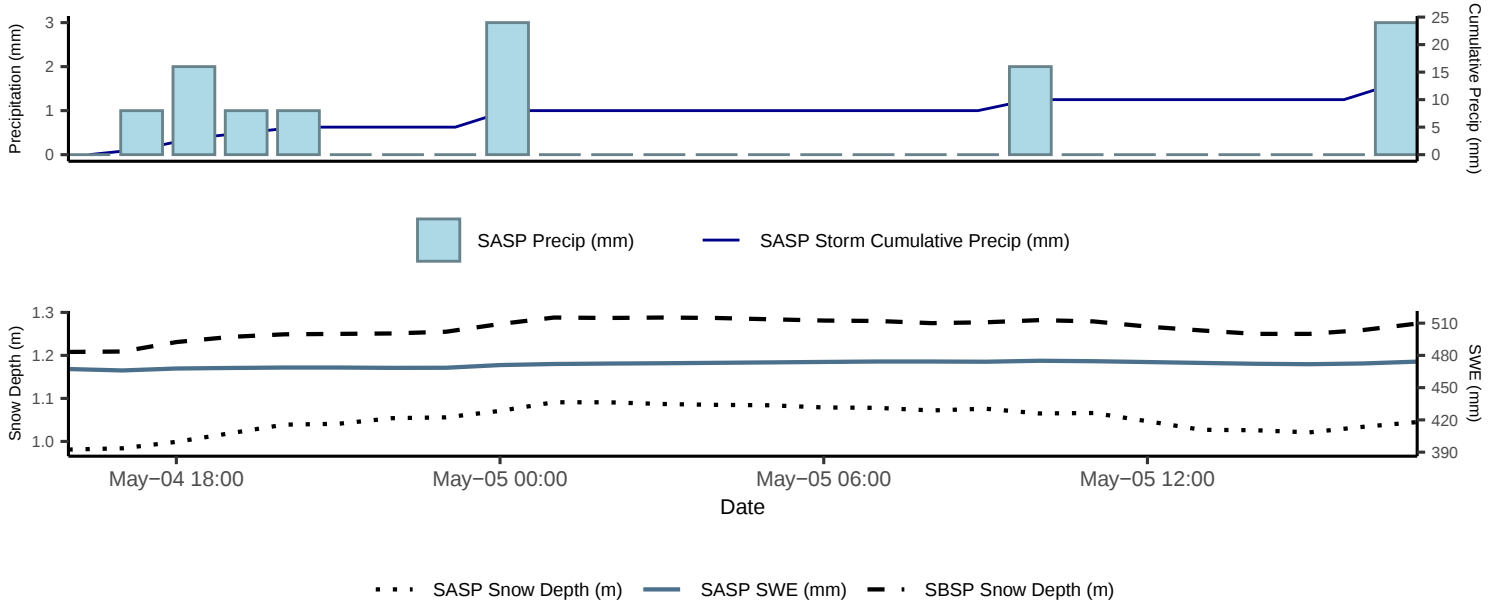


Frequency of counts by wind direction (%)



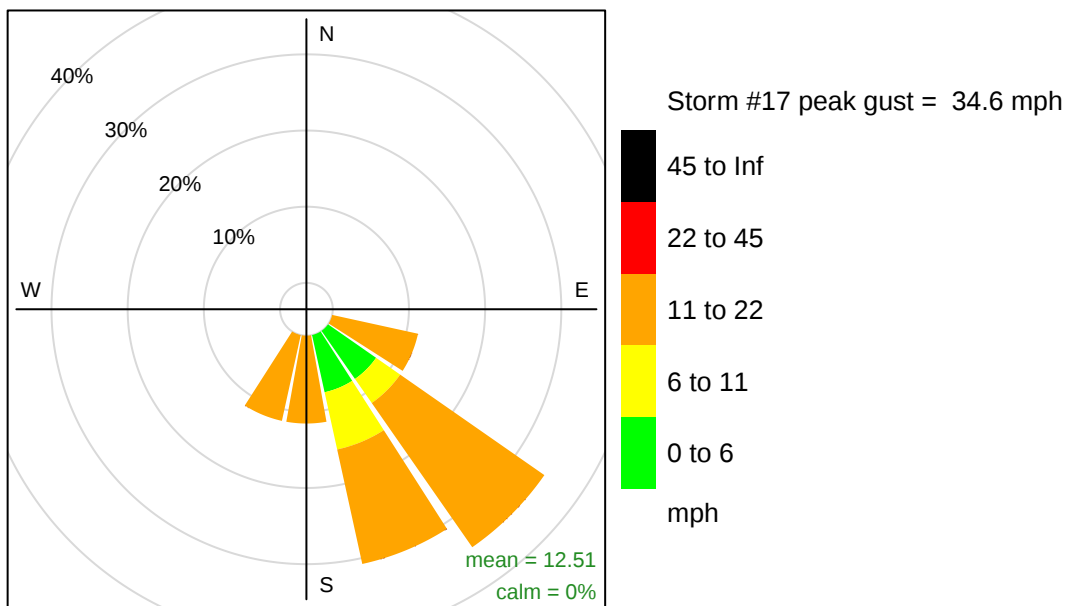
WY2025 Winter Storm #17

STORM START: 2025-05-04 16:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-05-04 16:00:00 MST
Storm end	2025-05-05 17:00:00 MST
Storm duration (hours)	25
Mean precip intensity	0.5 mm/hour (0.02 in/hour)
Max precip intensity	3 mm/hour (0.12 in/hour)
Storm water content (SWE)	9 mm (0.4 in)
Storm water content (precipitation)	13 mm (0.5 in)
Max accumulated depth Swamp Angel	0.11 m (4.3 in)
Max accumulated depth Senator Beck	0.08 m (3.1 in)
Putney average wind direction	151.4 degrees (SSE)
Putney average wind speed	5.6 m/s (12.5 mph)

CSAS Putney Study Plot (12,323 ft)

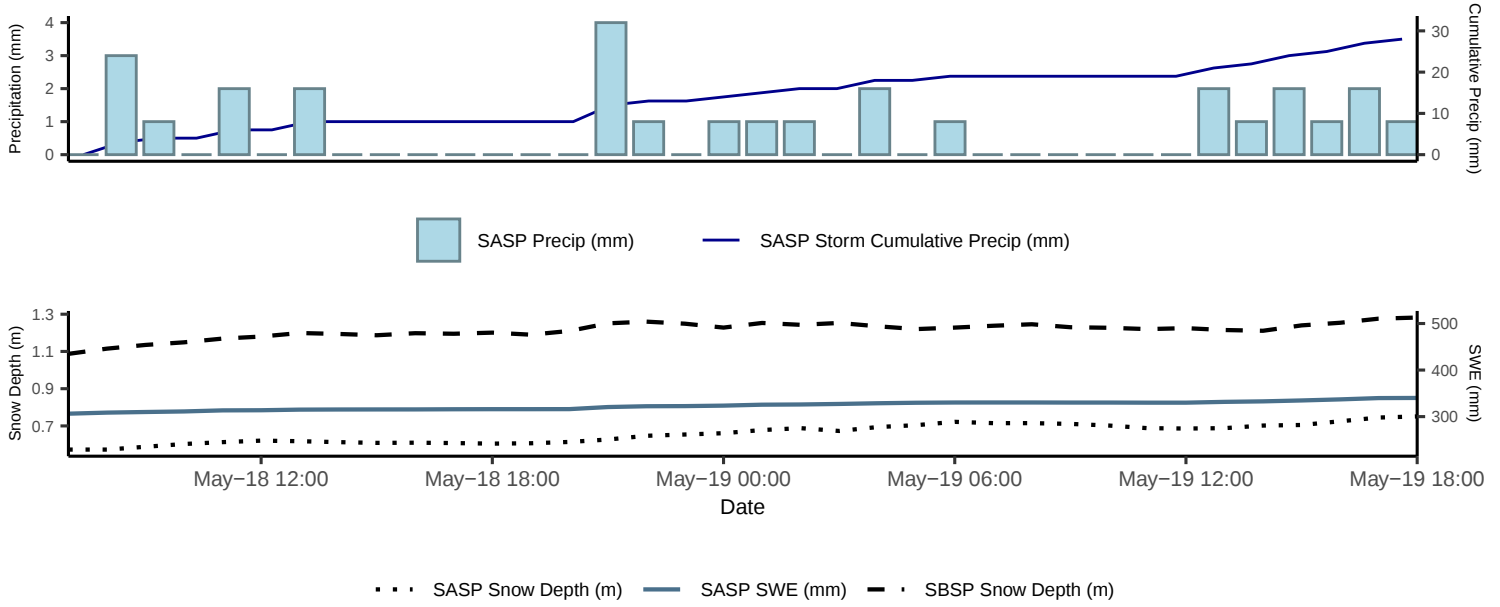


Frequency of counts by wind direction (%)



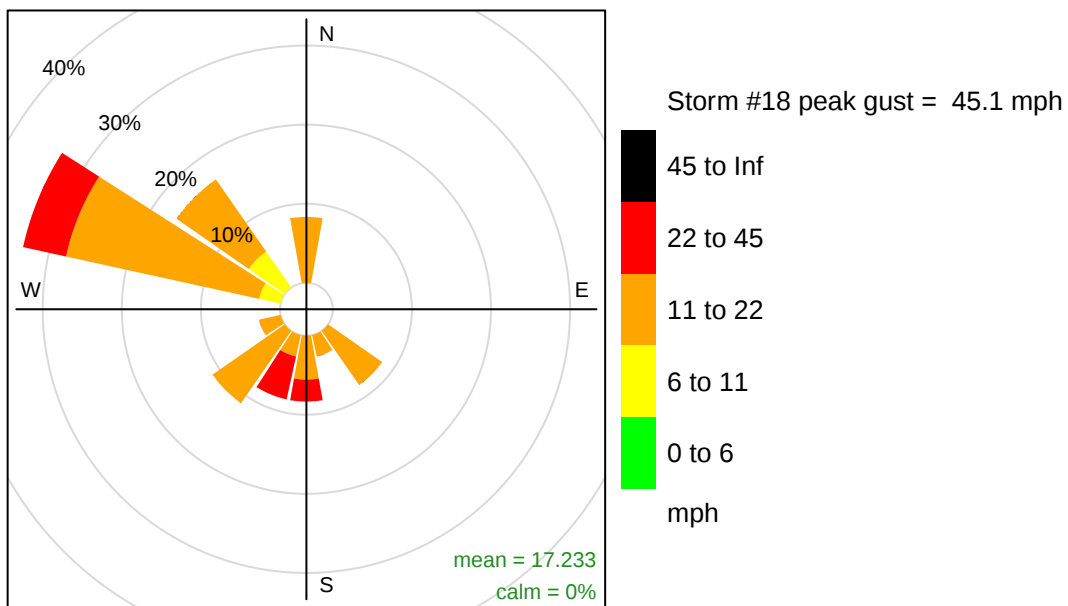
WY2025 Winter Storm #18

STORM START: 2025-05-18 07:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-05-18 07:00:00 MST
Storm end	2025-05-19 18:00:00 MST
Storm duration (hours)	35
Mean precip intensity	0.8 mm/hour (0.03 in/hour)
Max precip intensity	4 mm/hour (0.16 in/hour)
Storm water content (SWE)	33.8 mm (1.3 in)
Storm water content (precipitation)	28 mm (1.1 in)
Max accumulated depth Swamp Angel	0.18 m (7 in)
Max accumulated depth Senator Beck	0.2 m (7.7 in)
Putney average wind direction	271 degrees (W)
Putney average wind speed	7.7 m/s (17.2 mph)

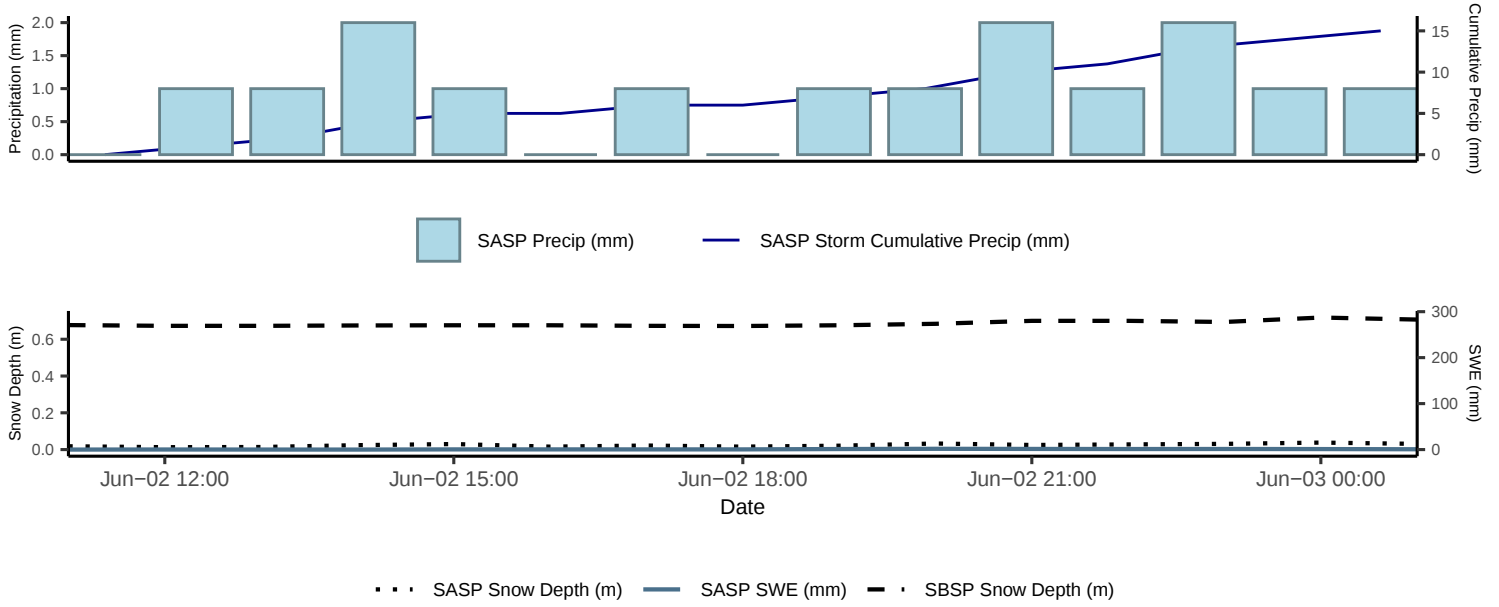
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

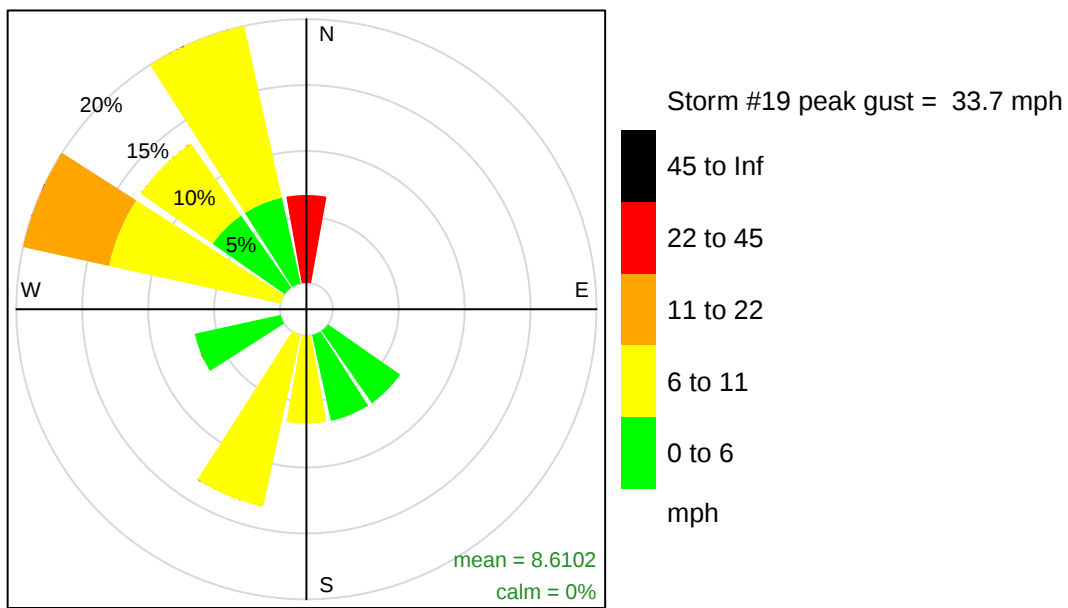
WY2025 Winter Storm #19

STORM START: 2025-06-02 11:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-06-02 11:00:00 MST
Storm end	2025-06-03 01:00:00 MST
Storm duration (hours)	14
Mean precip intensity	1 mm/hour (0.04 in/hour)
Max precip intensity	2 mm/hour (0.08 in/hour)
Storm water content (SWE)	1.7 mm (0.1 in)
Storm water content (precipitation)	15 mm (0.6 in)
Max accumulated depth Swamp Angel	0.03 m (1 in)
Max accumulated depth Senator Beck	0.05 m (1.8 in)
Putney average wind direction	286.8 degrees (WNW)
Putney average wind speed	3.8 m/s (8.6 mph)

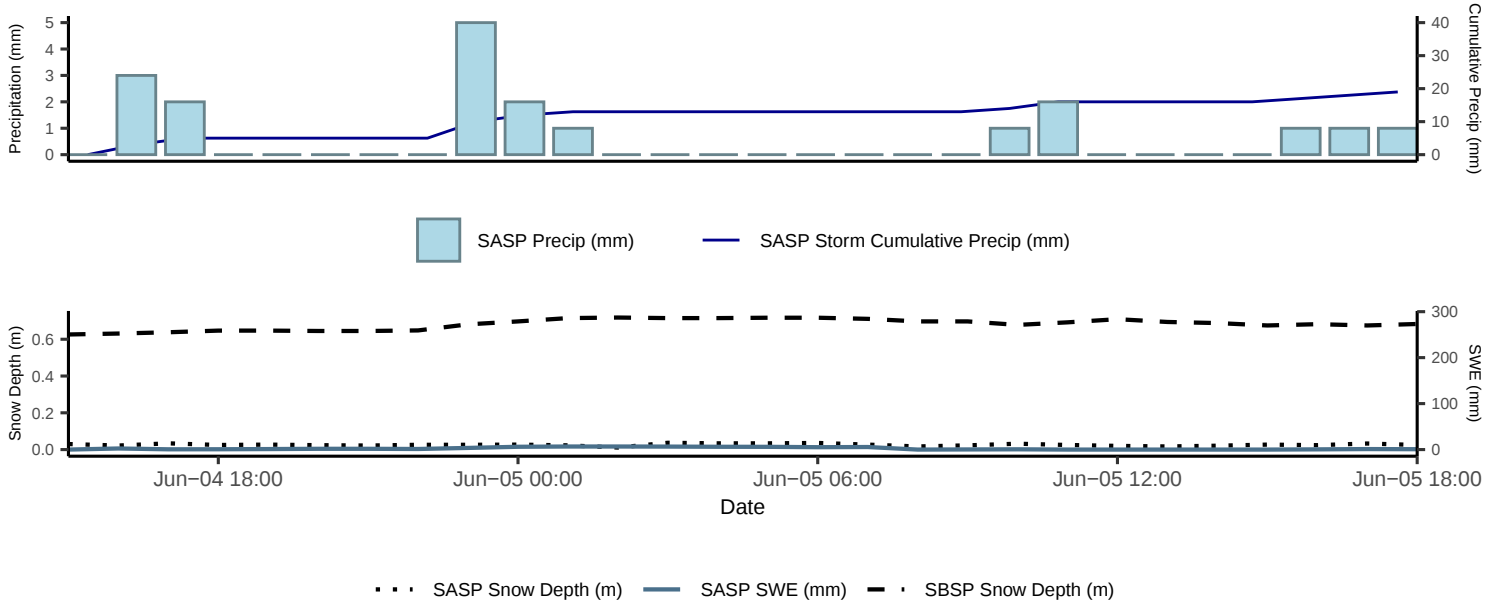
CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

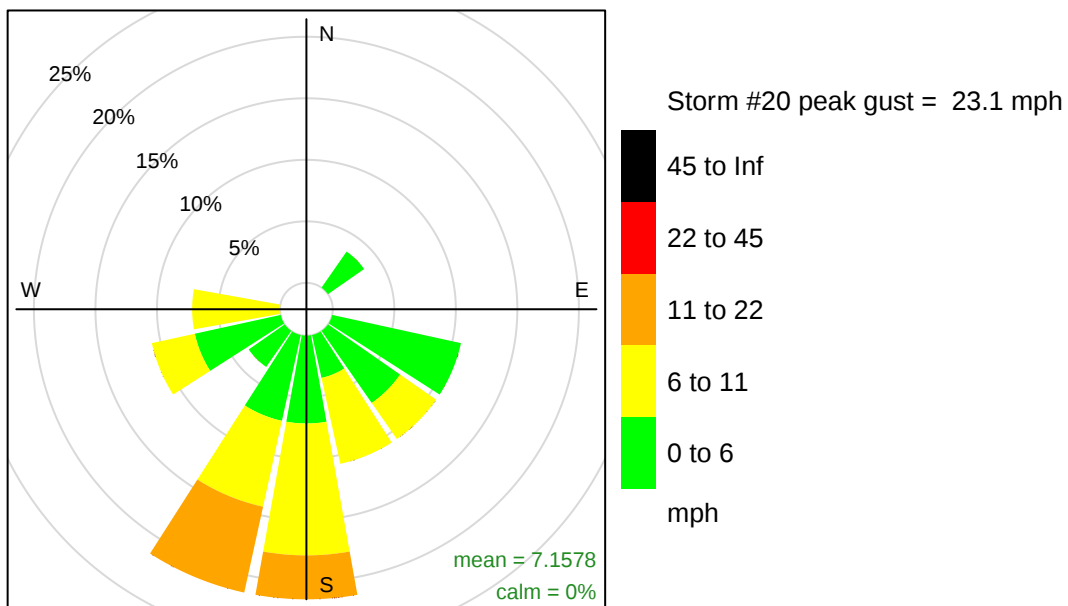
WY2025 Winter Storm #20

STORM START: 2025-06-04 15:00:00 MST at Senator Beck Study Area, Red Mountain Pass, CO



Storm start	2025-06-04 15:00:00 MST
Storm end	2025-06-05 18:00:00 MST
Storm duration (hours)	27
Mean precip intensity	0.7 mm/hour (0.03 in/hour)
Max precip intensity	5 mm/hour (0.2 in/hour)
Storm water content (SWE)	6.7 mm (0.3 in)
Storm water content (precipitation)	19 mm (0.7 in)
Max accumulated depth Swamp Angel	0.03 m (1 in)
Max accumulated depth Senator Beck	0.09 m (3.6 in)
Putney average wind direction	182.9 degrees (S)
Putney average wind speed	3.2 m/s (7.2 mph)

CSAS Putney Study Plot (12,323 ft)



Frequency of counts by wind direction (%)

