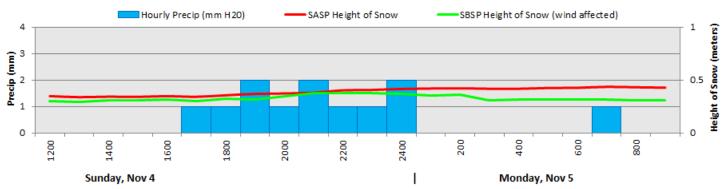
### 2018-19 Winter Storm #1: Nov 4-5, 2018

Senator Beck Basin Study Area, at Red Mountain Pass, CO



### **Storm Summary Statistics:**

Storm precip began between 1600 – 1700 hrs MST Sunday, November 4, 2018 (DOY 308)

Storm precipitation ended: 0700 hrs MST Monday, November 5, 2018 (DOY 309)

**Storm duration** = 16 hrs

Storm total water content at SASP = 12 mm (0.5 inches)

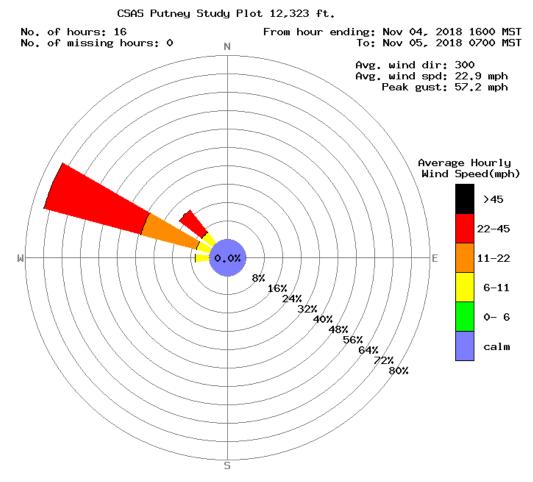
Mean precip intensity: 0.75 mm/hr

Max precip intensity: 2 mm/hour on multiple occasions

Max gain in snow depth at SASP = 8.8 cm (3.5 inches)

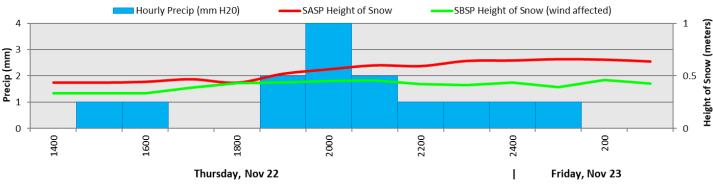
Max gain in snow depth at SBSP (wind affected) = 0 cm (0 inches)

Peak gust at PTSP at: 0420 hrs MST Monday, November 5, 2018 (DOY 309)



## 2018-19 Winter Storm #2: Nov 22-23, 2018

Senator Beck Basin Study Area, at Red Mountain Pass, CO



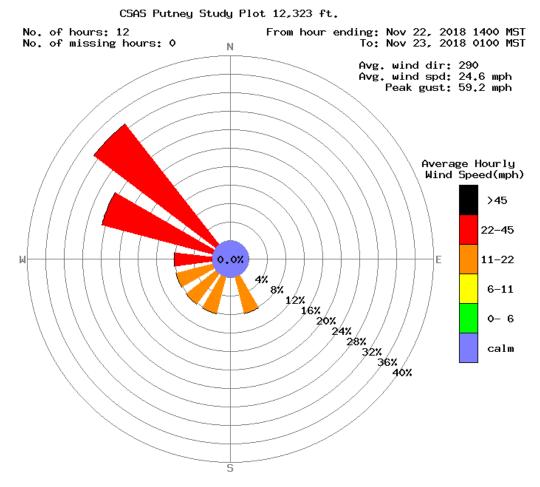
### **Storm Summary Statistics:**

Storm precip began between 1400 – 1500 hrs MST Thursday, November 22, 2018 (DOY 326) Storm precipitation ended: 0100 hrs MST Friday, November 23, 2018 (DOY 327) Storm duration = 12 hrs Storm total water content at SASP = 14 mm (0.6 inches) Mean precip intensity: 1.17 mm/hr Max precip intensity: 4 mm/hour on DOY 326 at 2000

Max gain in snow depth at SASP = 22.4 cm (8.8 inches)

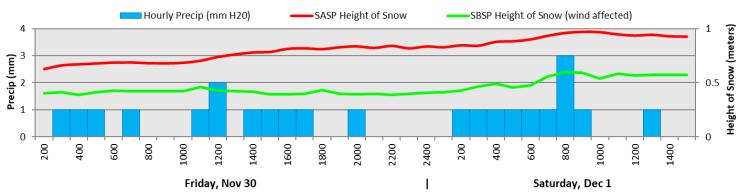
Max gain in snow depth at SBSP (wind affected) = 5.7 cm (2.2 inches)

Peak gust at PTSP at: 2400 hrs MST Thursday, November 22, 2018 (DOY 326)



2018-19 Winter Storm #3: Nov 30-Dec 1, 2018

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 0200 – 0300 hrs MST Friday, November 30, 2018 (DOY 334)

Storm precipitation ended: 1300 hrs MST Saturday, December 01, 2018 (DOY 335)

Storm duration = 36 hrs

Storm total water content at SASP = 23 mm (0.9 inches)

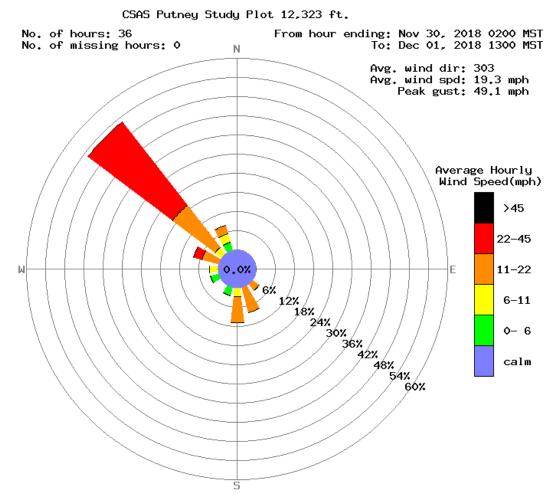
Mean precip intensity: 0.4 mm/hr

Max precip intensity: 3 mm/hour on DOY 335 at 0800

Max gain in snow depth at SASP = 31.6 cm (12.4 inches)

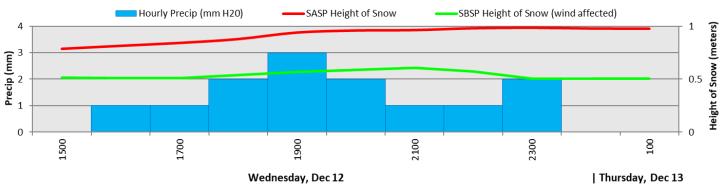
Max gain in snow depth at SBSP (wind affected) = 16.9 cm (6.7 inches)

Peak gust at PTSP at: 1700 hrs MST Friday, November 30, 2018 (DOY 334)



## 2018-19 Winter Storm #4: Dec 12, 2018

Senator Beck Basin Study Area, at Red Mountain Pass, CO



#### **Storm Summary Statistics:**

Storm precipibegan between 1500 – 1600 hrs MST Wednesday, December 12, 2018 (DOY 346) Storm precipitation ended: 2300 hrs MST Wednesday, December 12, 2018 (DOY 346) Storm duration = 9 hrs Storm total water content at SASP = 13 mm (0.5 inches)

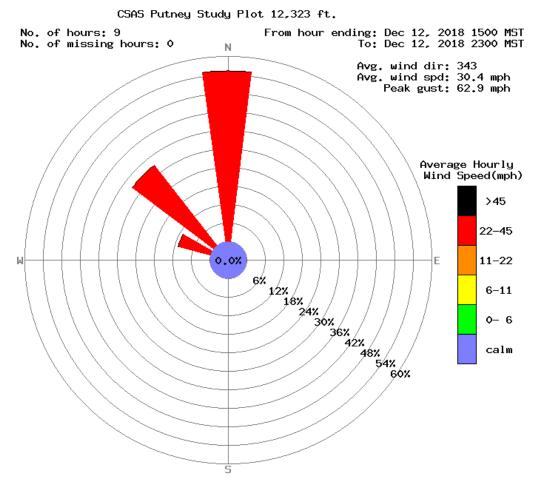
Mean precip intensity: 1.44 mm/hr

Max precip intensity: 3 mm/hour on DOY 346 at 1900

Max gain in snow depth at SASP = 19.7 cm (7.8 inches)

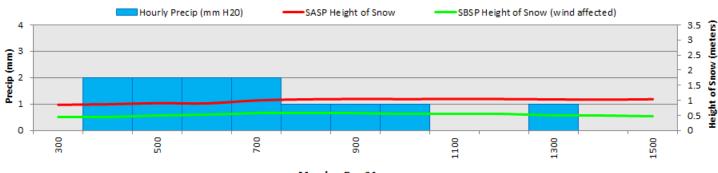
Max gain in snow depth at SBSP (wind affected) = -.6 cm (-.2 inches)

Peak gust at PTSP at: 2300 hrs MST Wednesday, December 12, 2018 (DOY 346)



## 2018-19 Winter Storm #5: Dec 24, 2018

Senator Beck Basin Study Area, at Red Mountain Pass, CO



Monday, Dec 24

**Storm Summary Statistics:** 

Storm precip began between 0300 – 0400 hrs MST Monday, December 24, 2018 (DOY 358)

Storm precipitation ended: 1300 hrs MST Monday, December 24, 2018 (DOY 358)

Storm duration = 11 hrs

**Storm total water content at SASP** = 12 mm (0.5 inches)

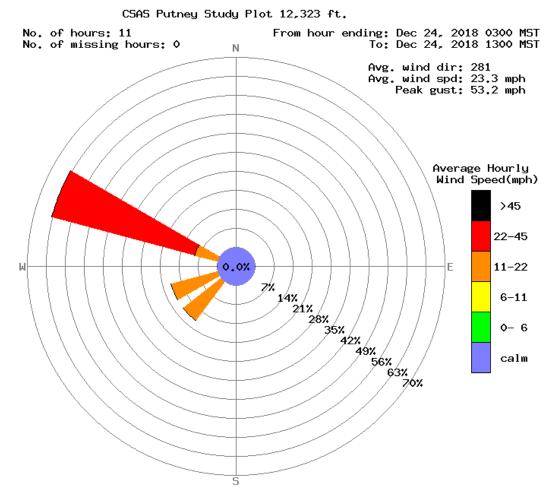
Mean precip intensity: 1.09 mm/hr

Max precip intensity: 2 mm/hour on DOY 358 at multiple times.

Max gain in snow depth at SASP = 18.1 cm (7.1 inches)

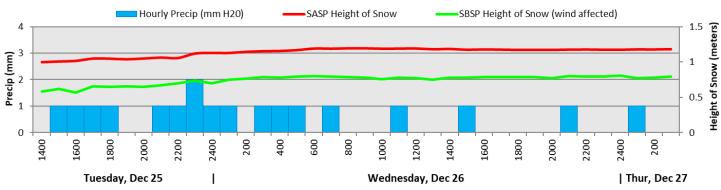
Max gain in snow depth at SBSP (wind affected) = 7.3 cm (2.9 inches)

Peak gust at PTSP at: 1000 hrs MST Monday, December 24, 2018 (DOY 358)



## 2018-19 Winter Storm #6: Dec 25-Dec 27, 2018

Senator Beck Basin Study Area, at Red Mountain Pass, CO

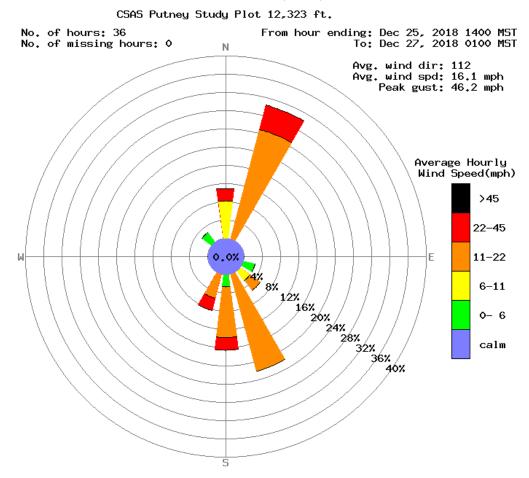


**Storm Summary Statistics:** 

Storm precip began between 1400 – 1500 hrs MST Tuesday, December 25, 2018 (DOY 359) Storm precipitation ended: 0100 hrs MST Thursday, December 27, 2018 (DOY 361) Storm duration = 36 hrs Storm total water content at SASP = 18 mm (0.7 inches) Mean precip intensity: 0.50 mm/hr Max precip intensity: 2 mm/hour on DOY 359 at 2300. Max gain in snow depth at SASP = 18.4 cm (7.2 inches)

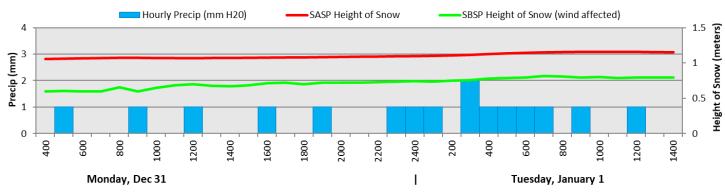
Max gain in snow depth at SBSP (wind affected) = 18.5 cm (7.3 inches)

Peak gust at PTSP at: 0200 hrs MST Wednesday, December 26, 2018 (DOY 360)



## 2018-19 Winter Storm #7: Dec 31, 2018-Jan 1, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 0400 – 0500 hrs MST Monday, December 31, 2018 (DOY 365)

Storm precipitation ended: 1200 hrs MST Tuesday, January 01, 2019 (DOY 001)

Storm duration = 33 hrs

Storm total water content at SASP = 16 mm (0.6 inches)

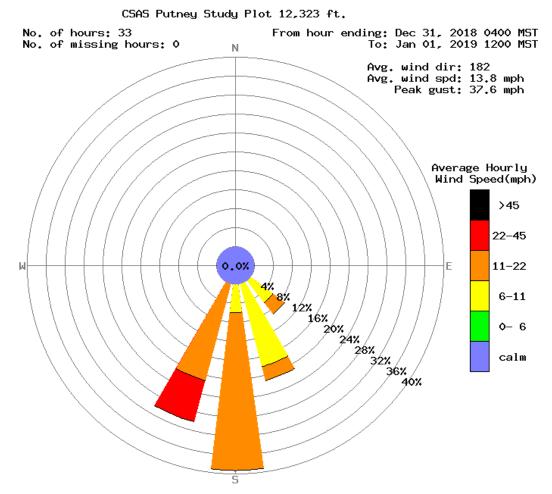
Mean precip intensity: 0.48 mm/hr

Max precip intensity: 2 mm/hour on DOY 001 at 0300.

Max gain in snow depth at SASP = 10.2 cm (4.0 inches)

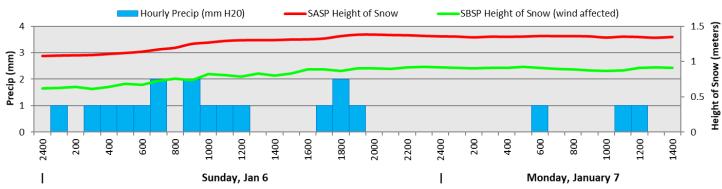
Max gain in snow depth at SBSP (wind affected) = 19.8 cm (7.8 inches)

Peak gust at PTSP at: 0900 hrs MST Tuesday, January 01, 2019 (DOY 001)



## 2018-19 Winter Storm #8: Jan 5-7, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 2400 – 0100 hrs MST Saturday, January 5, 2019 (DOY 005)

Storm precipitation ended: 1200 hrs MST Monday, January 7, 2019 (DOY 007)

Storm duration = 37 hrs

Storm total water content at SASP = 19 mm (0.7 inches)

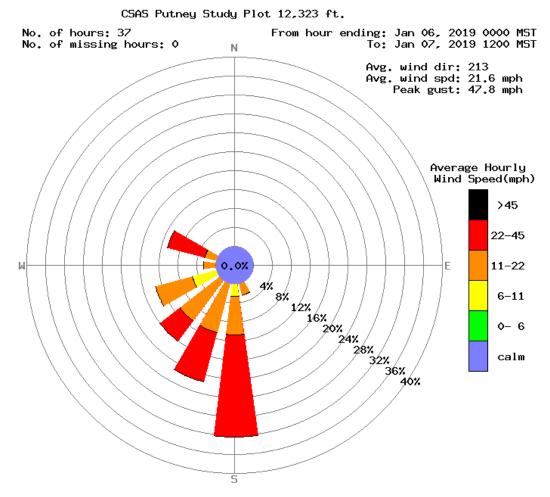
Mean precip intensity: 0.51 mm/hr

Max precip intensity: 2 mm/hour on DOY 006 at multiple times.

Max gain in snow depth at SASP = 16.7 cm (10.5 inches)

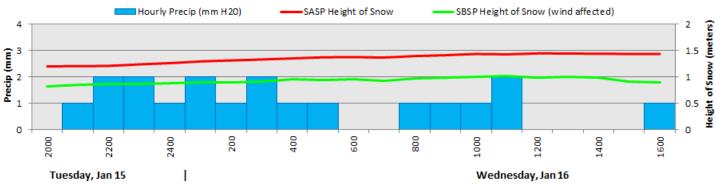
Max gain in snow depth at SBSP (wind affected) = 29.4 cm (11.6 inches)

Peak gust at PTSP at: 2000 hrs MST Sunday, January 06, 2019 (DOY 006)



2018-19 Winter Storm #9: Jan 15-16, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 2000 – 2100 hrs MST Tuesday, January 15, 2019 (DOY 15)

Storm precipitation ended: 1600 hrs MST Wednesday, January 16, 2019 (DOY 16)

Storm duration = 21 hrs

Storm total water content at SASP = 19 mm (0.7 inches)

Mean precip intensity: 0.90 mm/hr

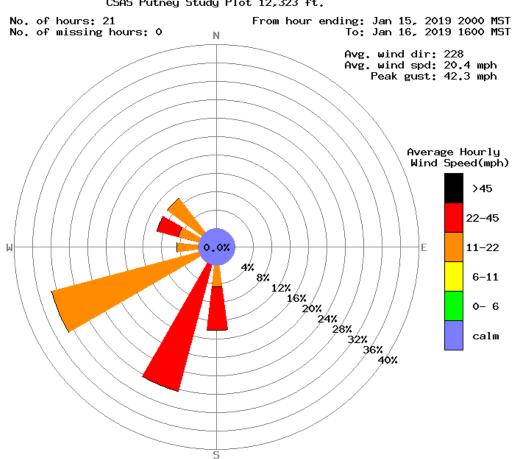
Max precip intensity: 2 mm/hour on multiple occasions

Max gain in snow depth at SASP = 23.6 cm (9.3 inches)

Max gain in snow depth at SBSP (wind affected) = 8.6 cm (3.4 inches)

Peak gust at PTSP at: 1345 hrs MST Tuesday, January 16, 2019 (DOY 16)

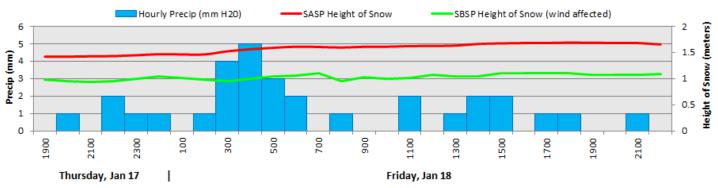
### Storm Wind Rose (Putney Study Plot data)



CSAS Putney Study Plot 12,323 ft.

## 2018-19 Winter Storm #10: Jan 17-18, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 1900 – 2000 hrs MST Thursday, January 17, 2019 (DOY 17) Storm precipitation ended: 2100 hrs MST Friday, January 18, 2019 (DOY 18) Storm duration = 27 hrs

Storm total water content at SASP = 31 mm (1.2 inches)

Mean precip intensity: 1.48 mm/hr

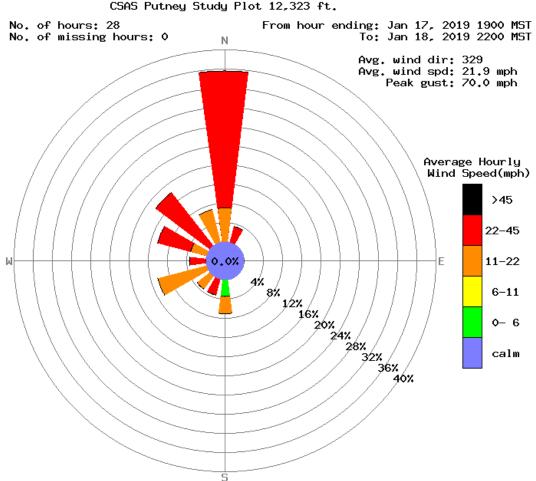
Max precip intensity: 5 mm/hour on Friday at 0400 multiple occasions

Max gain in snow depth at SASP = 26.1 cm (10.3 inches)

Max gain in snow depth at SBSP (wind affected) = 9.5 cm (3.7 inches)

Peak gust at PTSP at: 1345 hrs MST Tuesday, January 16, 2019 (DOY 16)

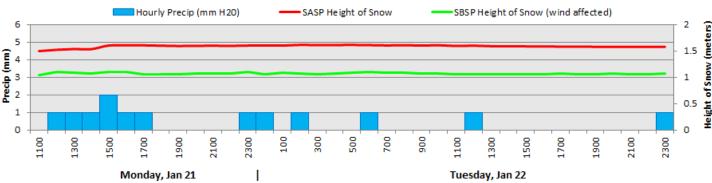
### Storm Wind Rose (Putney Study Plot data)



CSAS Putney Study Plot 12,323 ft.

### 2018-19 Winter Storm #11: Jan 21-22, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 1100 – 1200 hrs MST Monday, January 21, 2019 (DOY 21) Storm precipitation ended: 2300 hrs MST Tuesday, January 22, 2019 (DOY 22)

Storm duration = 37 hrs

Storm total water content at SASP = 13 mm (0.5 inches)

Mean precip intensity: 0.35 mm/hr

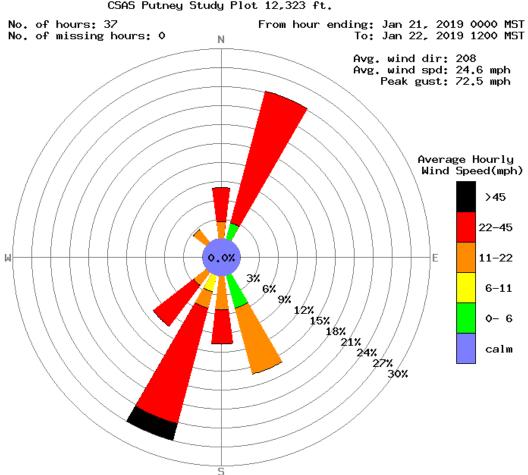
Max precip intensity: 2 mm/hour on Monday, January 21 during the hour 1400

Max gain in snow depth at SASP = 8.2 cm (3.2 inches)

Max gain in snow depth at SBSP (wind affected) = 2.1 cm (0.8 inches)

Peak gust at PTSP at: 1224 hrs MST Monday, January 21, 2019 (DOY 21)

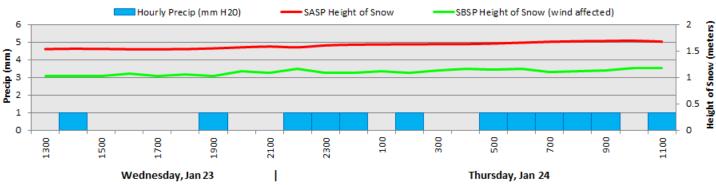
### Storm Wind Rose (Putney Study Plot data)



CSAS Putney Study Plot 12,323 ft.

### 2018-19 Winter Storm #12: Jan 23-24, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 1300 – 1400 hrs MST Wednesday, January 23, 2019 (DOY 23)

Storm precipitation ended: 1100 hrs MST Thursday, January 24, 2019 (DOY 24)

Storm duration = 23 hrs

Storm total water content at SASP = 12 mm (0.5 inches)

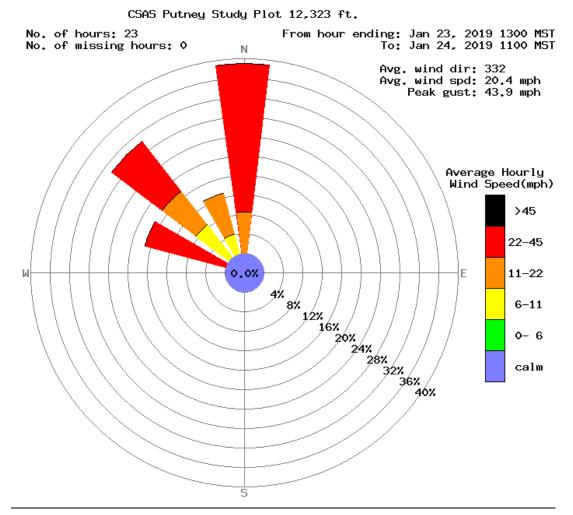
Mean precip intensity: 0.52 mm/hr

Max precip intensity: 1 mm/hour on multiple occasions

Max gain in snow depth at SASP = 14.1 cm (5.6 inches)

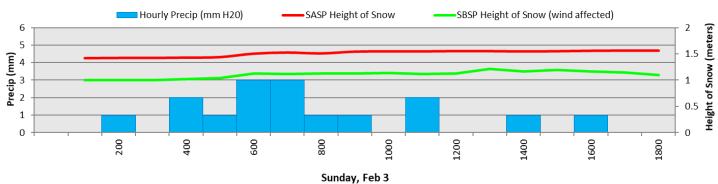
Max gain in snow depth at SBSP (wind affected) = 14.9 cm (5.9 inches)

Peak gust at PTSP at: 1936 hrs MST Wednesday, January 23, 2019 (DOY 23)



### 2018-19 Winter Storm #13: Feb 3, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

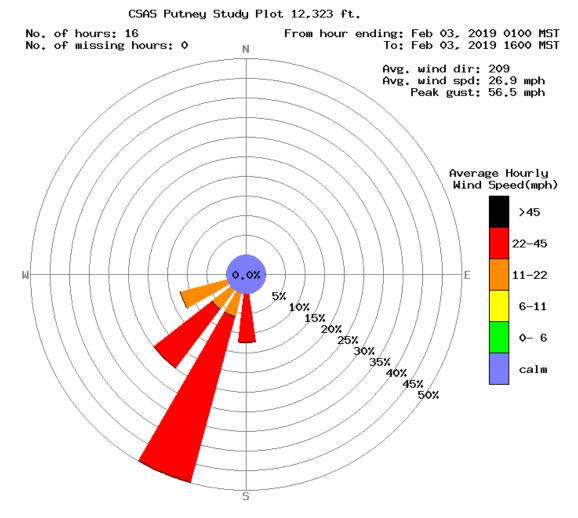
Storm precip began between 0100 – 0200 hrs MST Sunday, February 3, 2019 (DOY 34) Storm precipitation ended: 1600 hrs MST Sunday, February 3, 2019 (DOY 34) Storm duration = 16 hrs Storm total water content at SASP = 16 mm (0.6 inches) Mean precip intensity: 1 mm/hr

Max precip intensity: 3 mm/hour on multiple occasions

Max gain in snow depth at SASP = 14.2 cm (5.6 inches)

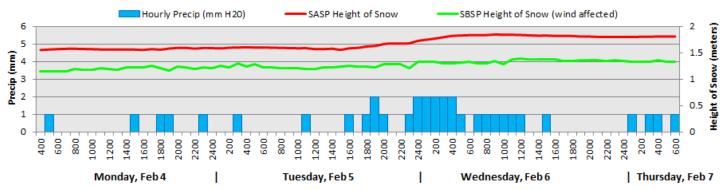
Max gain in snow depth at SBSP (wind affected) = 16.2 cm (6.4 inches)

Peak gust at PTSP at: 800 hrs MST Sunday, February 3, 2019 (DOY 34)



2018-19 Winter Storm #14: Feb 4-7, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



### **Storm Summary Statistics:**

Storm precip began between 0400 – 0500 hrs MST Monday, February 4, 2019 (DOY 35) Storm precipitation ended: 0600 hrs MST Thursday, February 7, 2019 (DOY 38) Storm duration = 75 hrs

Storm total water content at SASP = 35 mm (1.4 inches)

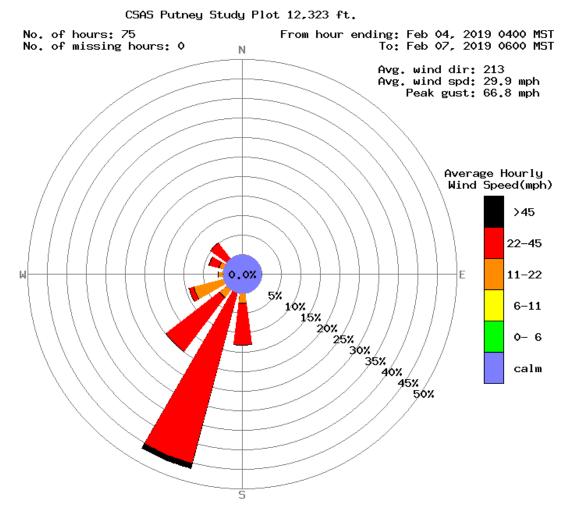
Mean precip intensity: 0.47 mm/hr

Max precip intensity: 2 mm/hour on multiple occasions

Max gain in snow depth at SASP = 25.5 cm (10.0 inches)

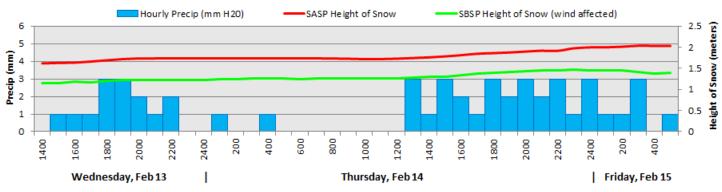
Max gain in snow depth at SBSP (wind affected) = 19.0 cm (7.5 inches)

Peak gust at PTSP at: 525 hrs MST Tuesday, February 5, 2019 (DOY 36)



### 2018-19 Winter Storm #15: Feb 13-15, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 1400 – 1500 hrs MST Wednesday, February 13, 2019 (DOY 44)
Storm precipitation ended: 0500 hrs MST Friday, February 15, 2019 (DOY 46)

**Storm duration** = 40 hrs

Storm total water content at SASP = 49 mm (1.9 inches)

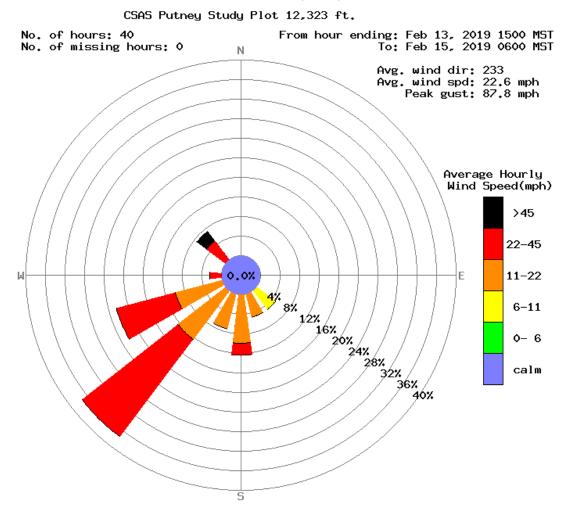
Mean precip intensity: 1.23 mm/hr

Max precip intensity: 3 mm/hour on multiple occasions

Max gain in snow depth at SASP = 41.3 cm (16.3 inches)

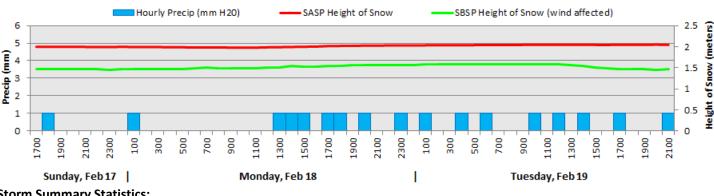
Max gain in snow depth at SBSP (wind affected) = 25.2 cm (9.9 inches)

Peak gust at PTSP at: 87.8 mph peak at 0100 hrs MST Friday, February 15, 2019 (DOY 46)



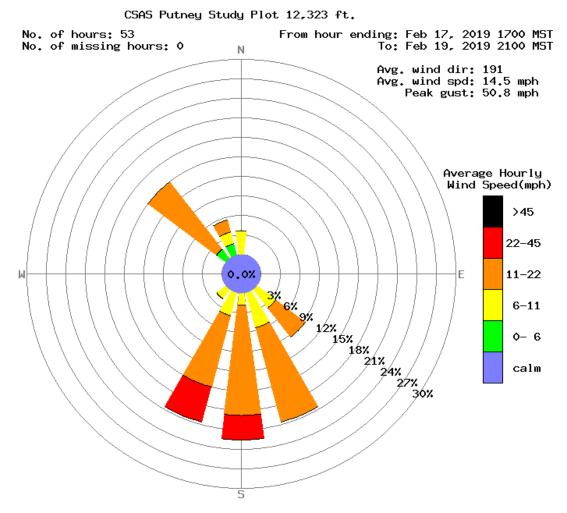
### 2018-19 Winter Storm #16: Feb 17-19, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



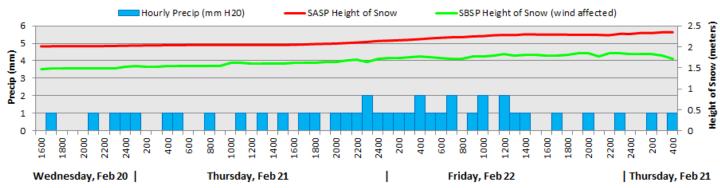
**Storm Summary Statistics:** 

Storm precip began between 1700 – 1800 hrs MST Sunday, February 17, 2019 (DOY 48) Storm precipitation ended: 2100 hrs MST Tuesday, February 19, 2019 (DOY 50) Storm duration = 53 hrs **Storm total water content at SASP** = 17 mm (.7 inches) Mean precip intensity: 0.32 mm/hr Max precip intensity: 1 mm/hour on multiple occasions Max gain in snow depth at SASP = 4.5 cm (1.8 inches) Max gain in snow depth at SBSP (wind affected) = 0 cm Peak gust at PTSP at: 1730 on February 18, 2019 (DOY 49)



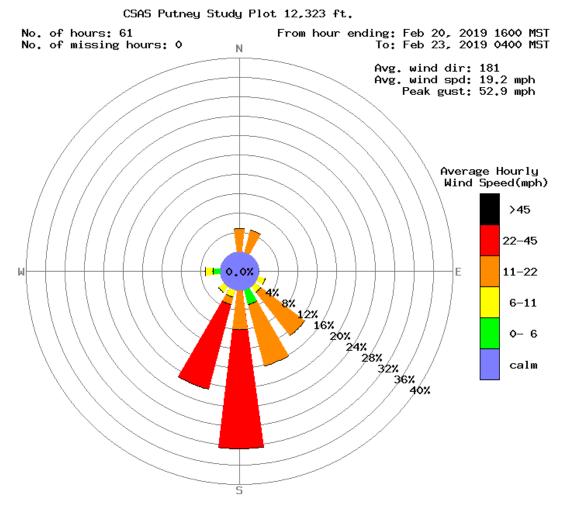
2018-19 Winter Storm #17: Feb 20-23, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



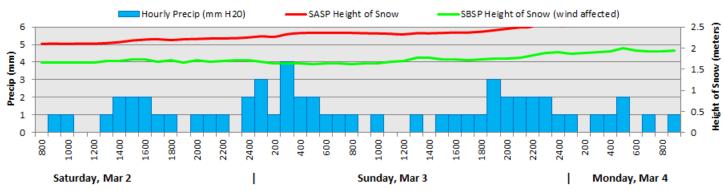
### **Storm Summary Statistics:**

Storm precip began between 1600 – 1700 hrs MST Wednesday, February 20, 2019 (DOY 51) Storm precipitation ended: 40000 hrs MST Saturday, February 23, 2019 (DOY 54) Storm duration = 61 hrs Storm total water content at SASP = 40 mm (1.6 inches) Mean precip intensity: 0.66 mm/hr Max precip intensity: 2 mm/hour on multiple occasions Max gain in snow depth at SASP = 33.3 cm (13.1 inches) Max gain in snow depth at SBSP (wind affected) = 24.1 cm (9.5 inches) Peak gust at PTSP at: 736 on February 22, 2019 (DOY 53)



## 2018-19 Winter Storm #18: March 2-4, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 0800 – 0900 hrs MST Saturday, March 2, 2019 (DOY 61)

Storm precipitation ended: 0900 hrs MST Monday, March 4, 2019 (DOY 63)

Storm duration = 50 hrs

Storm total water content at SASP = 56 mm (2.2 inches)

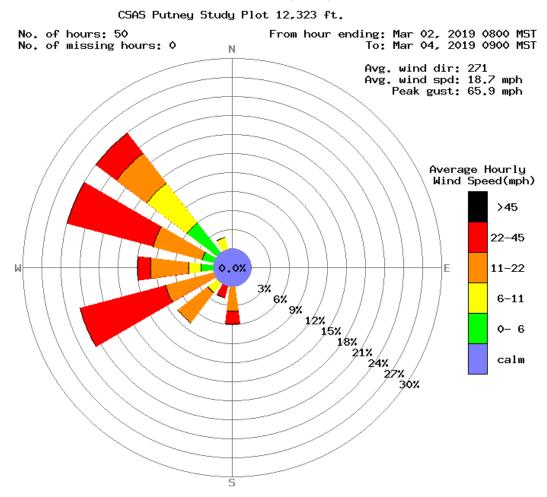
Mean precip intensity: 1.12 mm/hr

Max precip intensity: 4 mm/hour at 0300 on Sunday, March 3 (DOY 62)

Max gain in snow depth at SASP = 50.5 cm (19.9 inches)

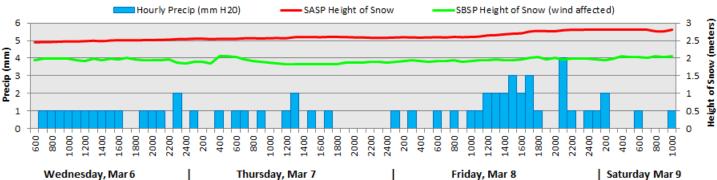
Max gain in snow depth at SBSP (wind affected) = 29.6 cm (11.7 inches)

Peak gust at PTSP at: 1931 on Saturday, March 2, 2019 (DOY 61)



2018-19 Winter Storm #19: March 6-9, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



Storm Summary Statistics:

Storm precip began between 0600 – 0700 hrs MST Wednesday, March 6, 2019 (DOY 65)

Storm precipitation ended: 1000 hrs MST Saturday, March 9, 2019 (DOY 68)

Storm duration = 77 hrs

Storm total water content at SASP = 57 mm (2.2 inches)

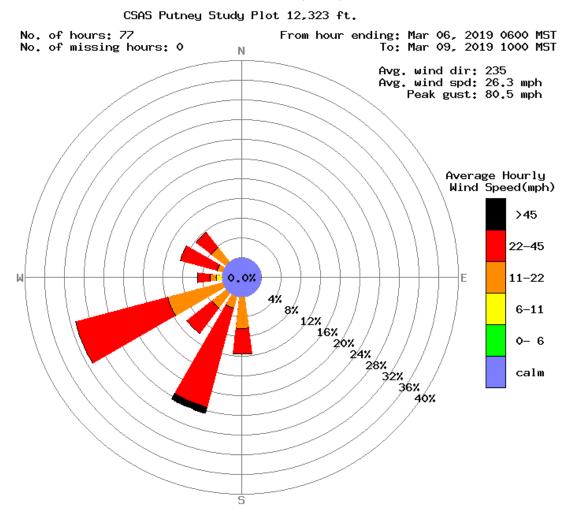
Mean precip intensity: 0.74 mm/hr

Max precip intensity: 4 mm/hour at 2100 on Friday, March 8 (DOY 67)

Max gain in snow depth at SASP = 35.9 cm (14.1 inches)

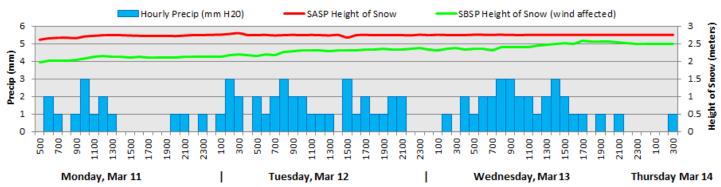
Max gain in snow depth at SBSP (wind affected) = 12.4 cm (4.9 inches)

Peak gust at PTSP at: 1559 on Wednesday, March 6, 2019 (DOY 65)



### 2018-19 Winter Storm #20: March 11-14, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



#### **Storm Summary Statistics:**

Storm precip began between 0500 – 0600 hrs MST Monday, March 11, 2019 (DOY 70)

- Storm precipitation ended: 0300 hrs MST Thursday, March 14, 2019 (DOY 73)
- **Storm duration** = 71 hrs

Storm total water content at SASP = 78 mm (3.1 inches)

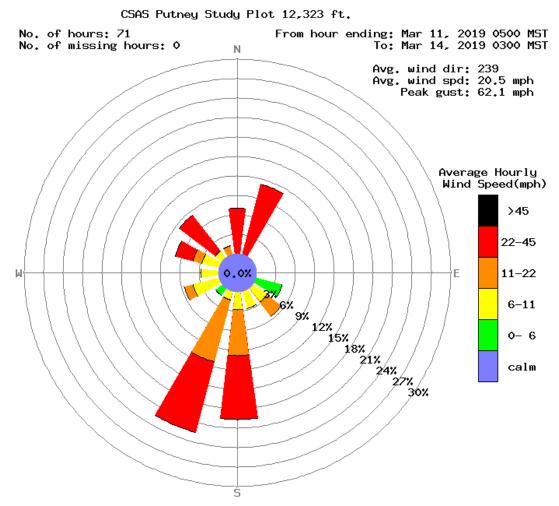
Mean precip intensity: 1.10 mm/hr

Max precip intensity: 3 mm/hour on multiple occasions

Max gain in snow depth at SASP = 13.9 cm (5.5 inches)

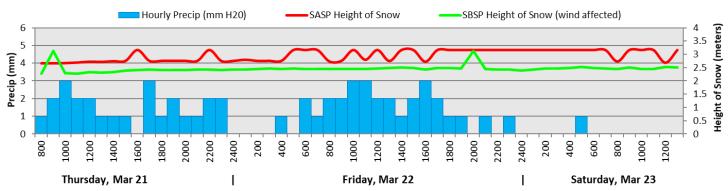
Max gain in snow depth at SBSP (wind affected) = 50.6 cm (19.9 inches)

Peak gust at PTSP at: 0706 on Wednesday, March 13, 2019 (DOY 72)



## 2018-19 Winter Storm #21: March 21-23, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 0800 – 0900 hrs MST Thursday, March 21, 2019 (DOY 80)

Storm precipitation ended: 1300 hrs MST Saturday, March 23, 2019 (DOY 82)

Storm duration = 54 hrs

Storm total water content at SASP = 29 mm (1.1 inches)

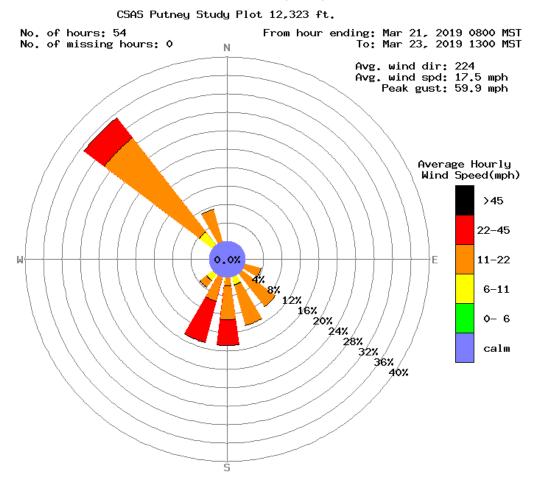
Mean precip intensity: 0.54 mm/hr

Max precip intensity: 4 mm/hour on March 21 at 1500

Max gain in snow depth at SASP = 50 cm (19.7 inches)

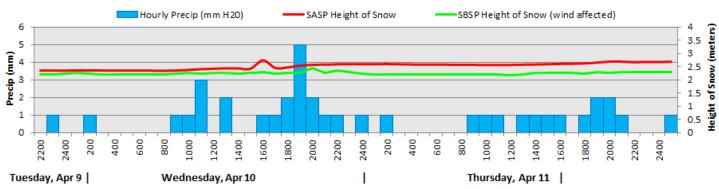
Max gain in snow depth at SBSP (wind affected) = 23.7 cm (9.3 inches)

Peak gust at PTSP at: 1800 on Thursday, March 21, 2019 (DOY 80)



## 2018-19 Winter Storm #22: April 9-12, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



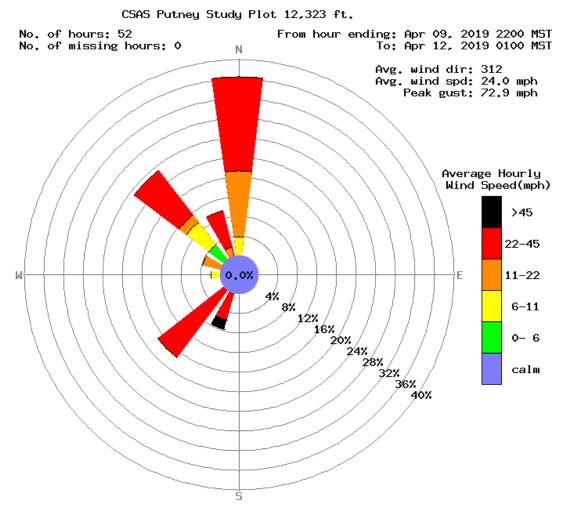
### **Storm Summary Statistics:**

Storm precip began between 2200 – 2300 hrs MST Tuesday, April 9, 2019 (DOY 99) Storm precipitation ended: 0100 hrs MST Friday, April 12, 2019 (DOY 102) Storm duration = 52 hrs Storm total water content at SASP = 38 mm (1.5 inches) Mean precip intensity: 0.73 mm/hr Max precip intensity: 5 mm/hour on April 10 at 2000 hrs MST

Max gain in snow depth at SASP = 33.7 cm (13.3 inches)

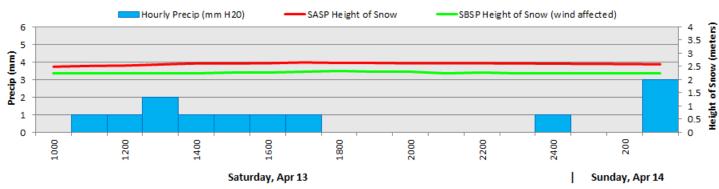
Max gain in snow depth at SBSP (wind affected) = 7.7 cm (3.0 inches)

Peak gust at PTSP at: 0351 on Wednesday, April 10, 2019 (DOY 100)



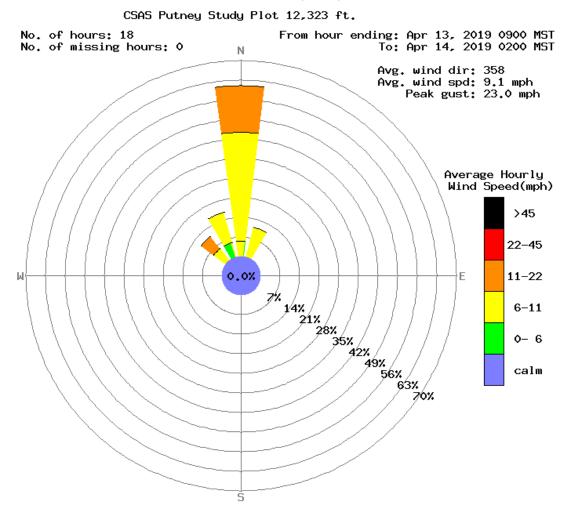
2018-19 Winter Storm #23: April 13-14, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



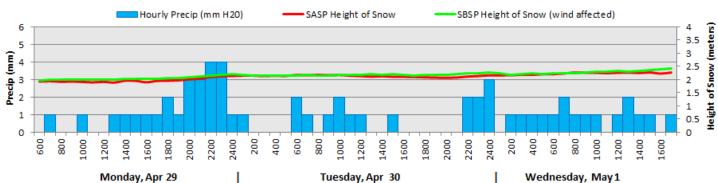
### **Storm Summary Statistics:**

Storm precip began between 0900 – 1000 hrs MST Saturday, April 13, 2019 (DOY 103) Storm precipitation ended: 0300 hrs MST Sunday, April 14, 2019 (DOY 104) Storm duration = 18 hrs Storm total water content at SASP = 12 mm (0.47 inches) Mean precip intensity: 0.67 mm/hr Max precip intensity: 3 mm/hour on April 14 at 0300 hrs MST Max gain in snow depth at SASP = 9 cm (3.5 inches) Max gain in snow depth at SBSP (wind affected) = 1.0 cm (0.4 inches) Peak gust at PTSP at: 0051 on Sunday, April 14, 2019 (DOY 104)



## 2018-19 Winter Storm #24: April 29-May 1, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 0500 – 0600 hrs MST Monday, April 29, 2019 (DOY 119)

Storm precipitation ended: 1700 hrs MST Wednesday, May 1, 2019 (DOY 121)

**Storm duration** = 60 hrs

Storm total water content at SASP = 58 mm (2.3 inches)

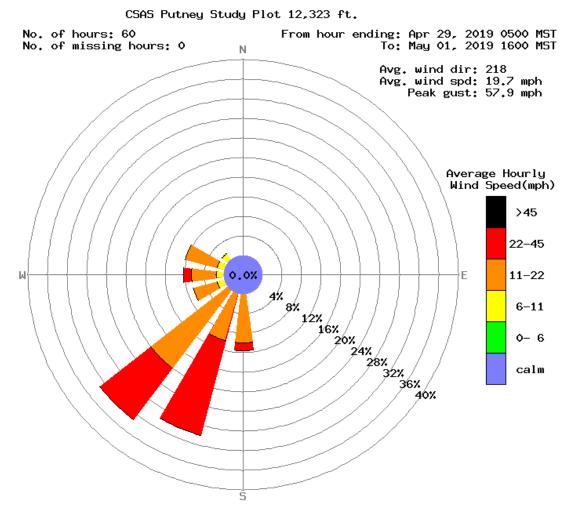
Mean precip intensity: 0.97 mm/hr

Max precip intensity: 4 mm/hour on multiple occasions

Max gain in snow depth at SASP = 34 cm (13.4 inches)

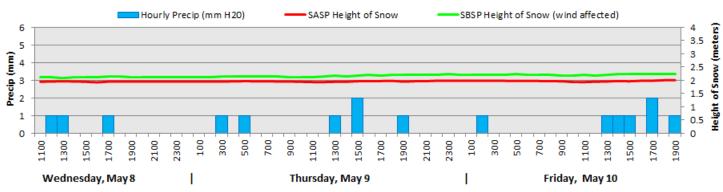
Max gain in snow depth at SBSP (wind affected) = 46.5 cm (18.3 inches)

Peak gust at PTSP at: 2254 on Tuesday, April 30, 2019 (DOY 120)



### 2018-19 Winter Storm #25: May 8-May 10, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



#### **Storm Summary Statistics:**

Storm precip began between 1000 – 1100 hrs MST Wednesday, May 8, 2019 (DOY 128)

Storm precipitation ended: 0100 hrs MST Friday, May 10, 2019 (DOY 130)

Storm duration = 57 hrs

Storm total water content at SASP = 16 mm (0.6 inches)

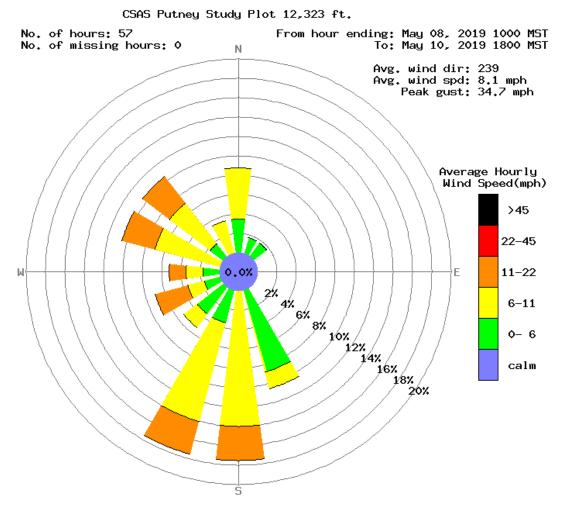
Mean precip intensity: 0.28 mm/hr

Max precip intensity: 2 mm/hour on multiple occasions

Max gain in snow depth at SASP = 6.1 cm (2.4 inches)

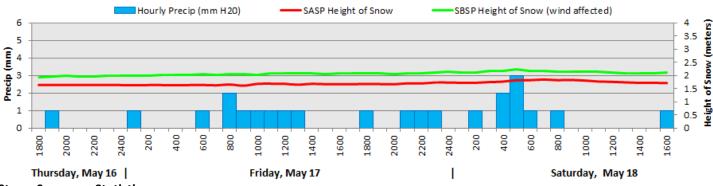
Max gain in snow depth at SBSP (wind affected) = 9.7 cm (3.8 inches)

Peak gust at PTSP at: 1322 on Thursday, May 8, 2019 (DOY 129)



### 2018-19 Winter Storm #26: May 16-May 18, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO

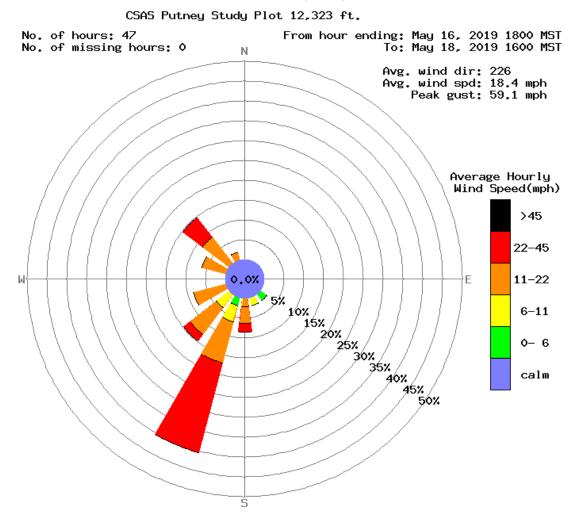


Storm Summary Statistics:

Storm precip began between 1800 – 1900 hrs MST Thursday, May 16, 2019 (DOY 136) Storm precipitation ended: 1600 hrs MST Saturday, May 18, 2019 (DOY 138) Storm duration = 47 hrs Storm total water content at SASP = 23 mm (0.9 inches) Mean precip intensity: 0.49 mm/hr Max precip intensity: 3 mm/hour on Saturday, May 18, at 0500 Max gain in snow depth at SASP = 7.4 cm (2.9 inches)

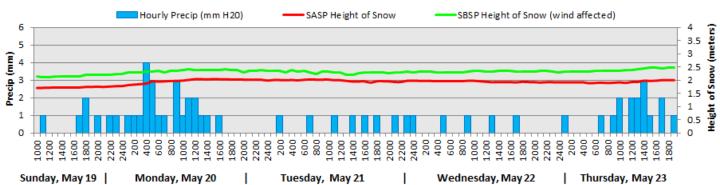
Max gain in snow depth at SBSP (wind affected) = 15.5 cm (6.1 inches)

Peak gust at PTSP at: 1708 on Thursday, May 16, 2019 (DOY 136)



## 2018-19 Winter Storm #27: May 19-May 23, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 1000 – 1100 hrs MST Wednesday, May 19, 2019 (DOY 139)

Storm precipitation ended: 1900 hrs MST Sunday, May 23, 2019 (DOY 143)

**Storm duration** = 106 hrs

**Storm total water content at SASP** = 59 mm (2.3 inches)

Mean precip intensity: 0.56 mm/hr

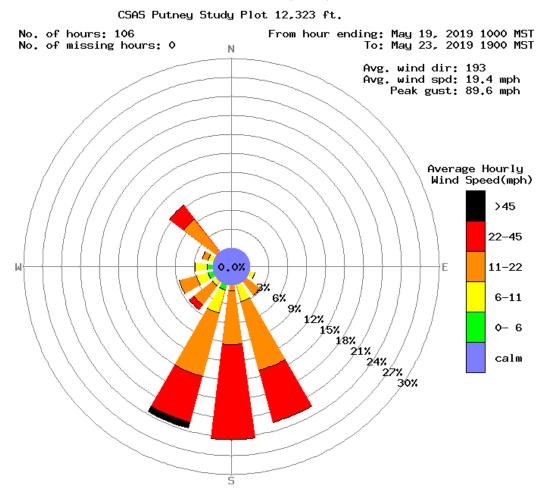
Max precip intensity: 4 mm/hour on Thursday, May 20, at 0400

Max gain in snow depth at SASP = 29.4 cm (11.6 inches)

Max gain in snow depth at SBSP (wind affected) = 34 cm (13.4 inches)

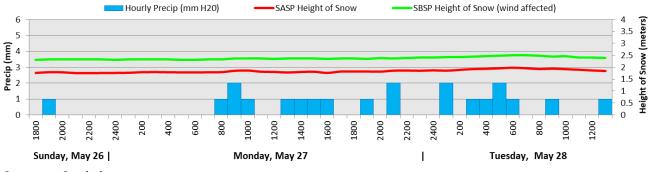
Peak gust at PTSP at: 1244 on Thursday, May 23, 2019 (DOY 143)





2018-19 Winter Storm #28: May 26-May 28, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



#### **Storm Summary Statistics:**

Storm precip began between 1800 - 1900 hrs MST Sunday, May 26, 2019 (DOY 146)

Storm precipitation ended: 1300 hrs MST Tuesday, May 28, 2019 (DOY 148)

Storm duration = 44 hrs

**Storm total water content at SASP** = 21 mm (0.8 inches)

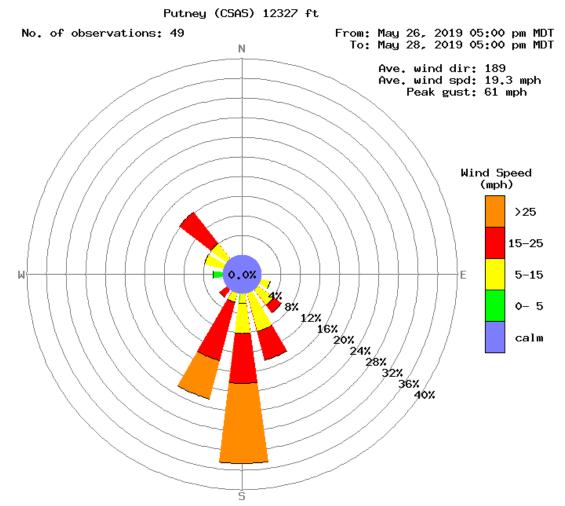
Mean precip intensity: 0.48 mm/hour

Max precip intensity: 2 mm/hour on multiple occasions on multiple days

Max gain in snow depth at SASP = 8.1 cm (3.2 inches)

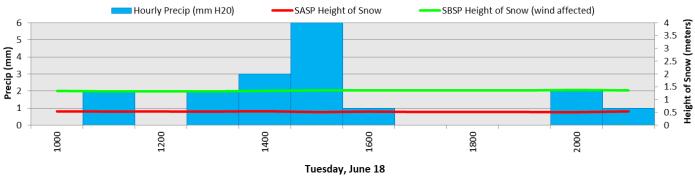
Max gain in snow depth at SBSP (wind affected) = 8.0 cm (3.1 inches)

Peak gust at PTSP at: 0315 hrs MST Monday, May 27, 2019 (DOY 147)



2018-19 Winter Storm #29: June 18, 2019

Senator Beck Basin Study Area, at Red Mountain Pass, CO



**Storm Summary Statistics:** 

Storm precip began between 1000 – 1100 hrs MST Tuesday, June 18, 2019 (DOY 169)

Storm precipitation ended: 2100 hrs MST Tuesday, June 18, 2019 (DOY 169)

Storm duration = 12 hrs

Storm total water content at SASP = 17 mm (0.7 inches)

Mean precip intensity: 1.42 mm/hour

Max precip intensity: 6 mm/hour at 1500 hrs MST Tuesday, June 18, 2019 (DOY 169)

Max gain in snow depth at SASP = 0 cm (0 inches)

Max gain in snow depth at SBSP (wind affected) = 3.8 cm (1.5 inches)

Peak gust at PTSP at: 1958 hrs MST Tuesday, June 18, 2019 (DOY 169)

