

Timberline

The Timberline Study Plot is located at the Yellowstone Club at 9400 ft. The site provides measurements of air temp, relative humidity, snow accumulations, and snow water content. Wind speed and direction are measured at the top of the Pioneer Ridge (RIDGE, 9800 ft). The 24 hr snow sensor is swept clear each day. [Click here](#) if data have not updated recently. [Original data file](#).

Elevation

9400ft

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| Date | Hour | Ridge Speed | Ridge Dir | Ridge Gust | TW 26 Speed | TW 26 Dir | TW 26 Gust | Avg Temp | Avg RH | H2O | New Snow | Total Snow |
|-------|------|-------------|-----------|------------|-------------|-----------|------------|----------|--------|------|----------|------------|
| 12/21 | 900 | 17 | SW - 227 | 24 | 3 | S - 191 | 16 | 31 | 38 | 0.00 | 0 | 34.3 |
| 12/21 | 800 | 20 | SW - 229 | 28 | 4 | S - 202 | 14 | 30 | 37 | 0.00 | 0 | 34.3 |
| 12/21 | 700 | 19 | SW - 239 | 25 | 10 | SW - 215 | 19 | 31 | 38 | 0.00 | 0 | 34.3 |
| 12/21 | 600 | 21 | SW - 239 | 27 | 14 | SW - 221 | 22 | 32 | 44 | 0.00 | 0 | 34.3 |
| 12/21 | 500 | 22 | SW - 238 | 31 | 15 | SW - 223 | 25 | 33 | 42 | 0.00 | 0 | 34.4 |
| 12/21 | 400 | 20 | SW - 234 | 30 | 14 | SW - 231 | 24 | 33 | 41 | 0.00 | 0 | 34.5 |
| 12/21 | 300 | 19 | SW - 232 | 27 | 8 | SW - 215 | 23 | 31 | 56 | 0.00 | 0 | 34.5 |
| 12/21 | 200 | 16 | SW - 236 | 21 | 5 | SW - 209 | 16 | 31 | 58 | 0.00 | 0 | 34.6 |
| 12/21 | 100 | 13 | SW - 233 | 21 | 3 | SW - 210 | 13 | 30 | 60 | 0.00 | 0 | 34.6 |
| 12/20 | 2400 | 14 | SW - 233 | 19 | 4 | SW - 207 | 13 | 29 | 55 | 0.00 | 0 | 34.7 |
| 12/20 | 2300 | 16 | SW - 236 | 20 | 5 | SW - 216 | 12 | 29 | 51 | 0.00 | 0 | 34.7 |
| 12/20 | 2200 | 15 | SW - 242 | 29 | 4 | SW - 210 | 13 | 31 | 51 | 0.00 | 0 | 34.7 |
| 12/20 | 2100 | 16 | W - 258 | 26 | 6 | S - 179 | 16 | 32 | 44 | 0.00 | 0 | 34.8 |
| 12/20 | 2000 | 16 | W - 255 | 27 | 7 | S - 185 | 17 | 31 | 47 | 0.00 | 0 | 34.9 |
| 12/20 | 1900 | 17 | W - 253 | 25 | 10 | S - 201 | 18 | 31 | 51 | 0.00 | 0 | 35.0 |
| 12/20 | 1800 | 22 | W - 249 | 32 | 10 | SW - 210 | 20 | 32 | 47 | 0.00 | 0 | 35.0 |

| Date | Hour | Ridge Speed | Ridge Dir | Ridge Gust | TW 26 Speed | TW 26 Dir | TW 26 Gust | Avg Temp | Avg RH | H2O | New Snow | Total Snow |
|-------|------|-------------|-----------|------------|-------------|-----------|------------|----------|--------|------|----------|------------|
| 12/20 | 1700 | 17 | W - 255 | 31 | 8 | SW - 208 | 21 | 32 | 45 | 0.00 | 0 | 35.1 |
| 12/20 | 1600 | 13 | W - 276 | 30 | 2 | E - 95 | 11 | 33 | 45 | 0.00 | 0 | 35.1 |
| 12/20 | 1500 | 20 | W - 258 | 38 | 7 | SE - 156 | 22 | 34 | 43 | 0.00 | 0 | 35.0 |
| 12/20 | 1400 | 19 | W - 254 | 37 | 7 | S - 190 | 25 | 35 | 42 | 0.00 | 0 | 35.0 |
| 12/20 | 1300 | 17 | W - 255 | 35 | 6 | S - 187 | 20 | 38 | 43 | 0.00 | 0 | 35.0 |
| 12/20 | 1200 | 19 | W - 251 | 34 | 8 | S - 171 | 21 | 39 | 42 | 0.00 | 0 | 35.2 |
| 12/20 | 1100 | 22 | W - 260 | 40 | 7 | SE - 156 | 28 | 37 | 45 | 0.00 | 0 | 35.3 |
| 12/20 | 1000 | 19 | W - 254 | 33 | 7 | SW - 209 | 25 | 35 | 43 | 0.00 | 0 | 35.4 |
| 12/20 | 900 | 23 | W - 255 | 37 | 11 | SW - 206 | 31 | 30 | 51 | 0.00 | 0 | 35.5 |