

Ouray is only site we plotted estimated wind direction and wind speed from balloon-radiosonde GPS latitude/longitude.

The ground /starting Latitude and Longitude must be nearly exact to get reasonable winds. Once the balloon is above ~ 50 meters it should be moving away enough from ground starting Lat and Long to give good winds direction. Elevation angle gives a very rough indicator of wind speed (the lower the angle the further out, or higher winds, the balloon will be from start point. 90 degree elevation angle is when the balloon is directly above the starting point.

The Wind direction comes from the GPS heading data so 180 degrees is added to get wind direction. 180 degrees is a south wind.

Flight name have small letters to show order of flights for the day. Oy056a "a" is given for 1st tether of day for up and down.

