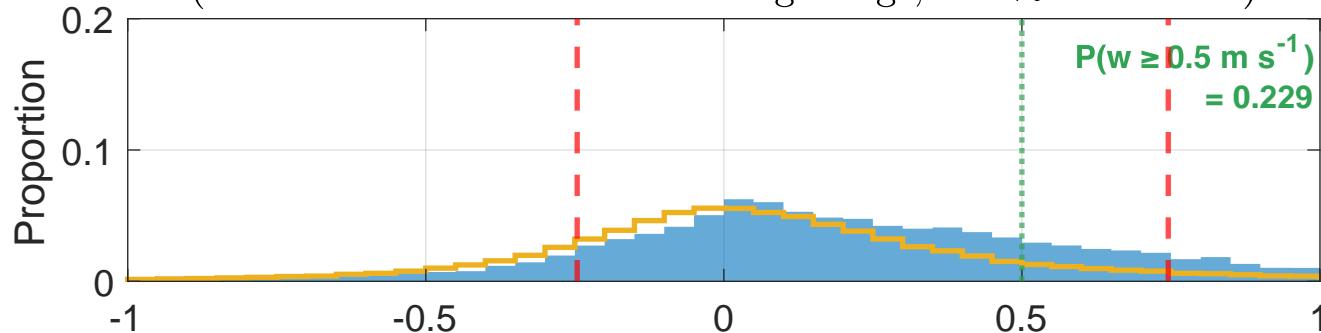


In-cloud vertical velocity by temperature

IMPACTS

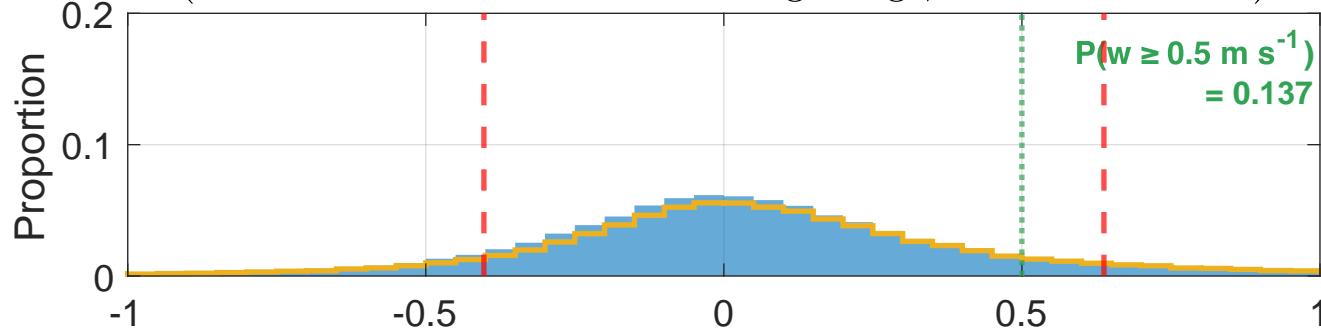
$$-34.81^{\circ}\text{C} < T \leq -22^{\circ}\text{C}$$

(14034 measurements from 65 flight legs, 10.1% of all data)



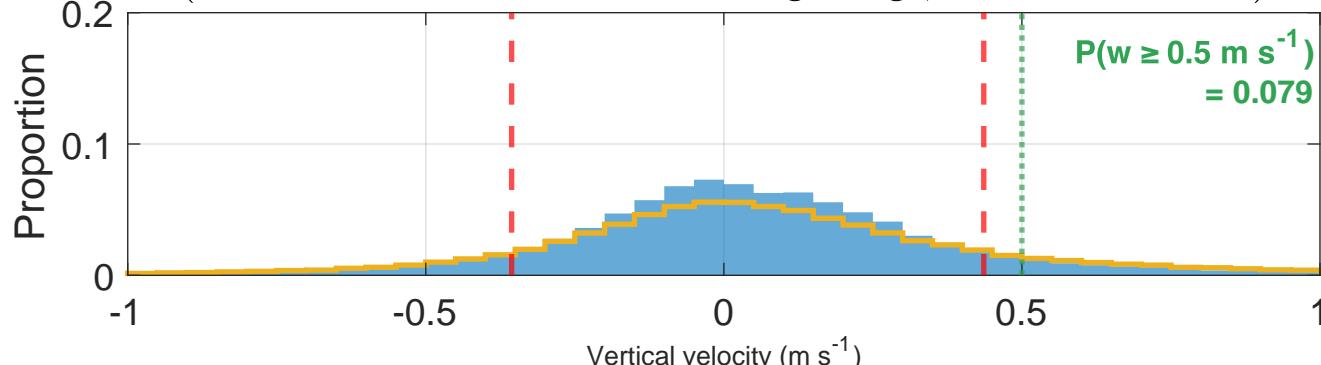
$$-22^{\circ}\text{C} < T \leq -8^{\circ}\text{C}$$

(79443 measurements from 314 flight legs, 57.1% of all data)



$$-8^{\circ}\text{C} < T \leq 0^{\circ}\text{C}$$

(41415 measurements from 159 flight legs, 29.8% of all data)

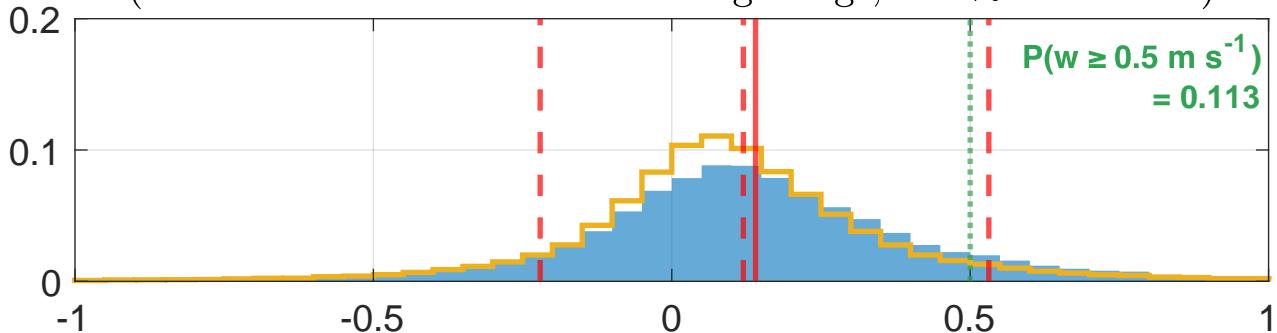


Vertical velocity (m s^{-1})

PLOWS

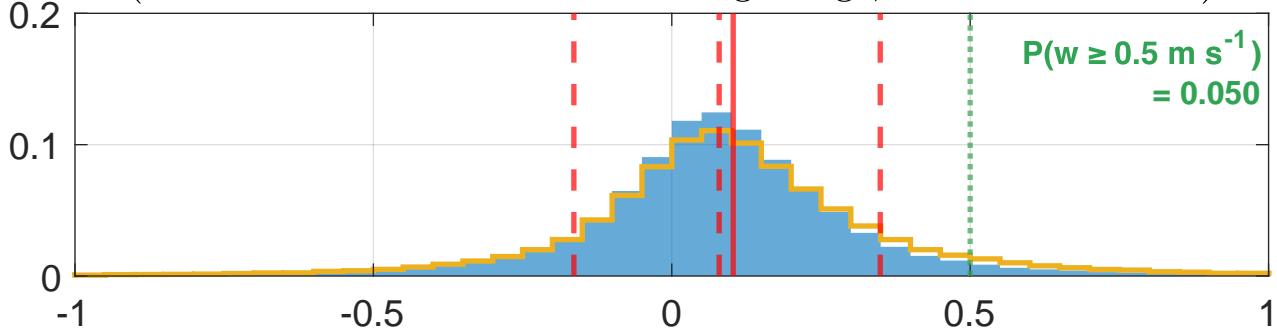
$$-52.1328^{\circ}\text{C} < T \leq -22^{\circ}\text{C}$$

(33489 measurements from 371 flight legs, 40.9% of all data)



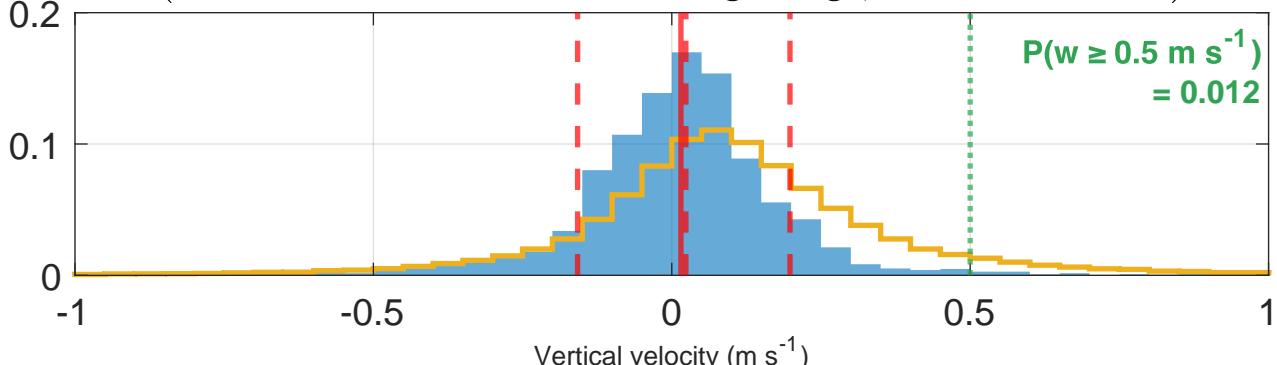
$$-22^{\circ}\text{C} < T \leq -8^{\circ}\text{C}$$

(45927 measurements from 383 flight legs, 56.1% of all data)



$$-8^{\circ}\text{C} < T \leq 0^{\circ}\text{C}$$

(2485 measurements from 40 flight legs, 3.0% of all data)



Vertical velocity (m s^{-1})

- Mean value
- 10th, 50th, 90th percentiles
- Histogram of all data for project