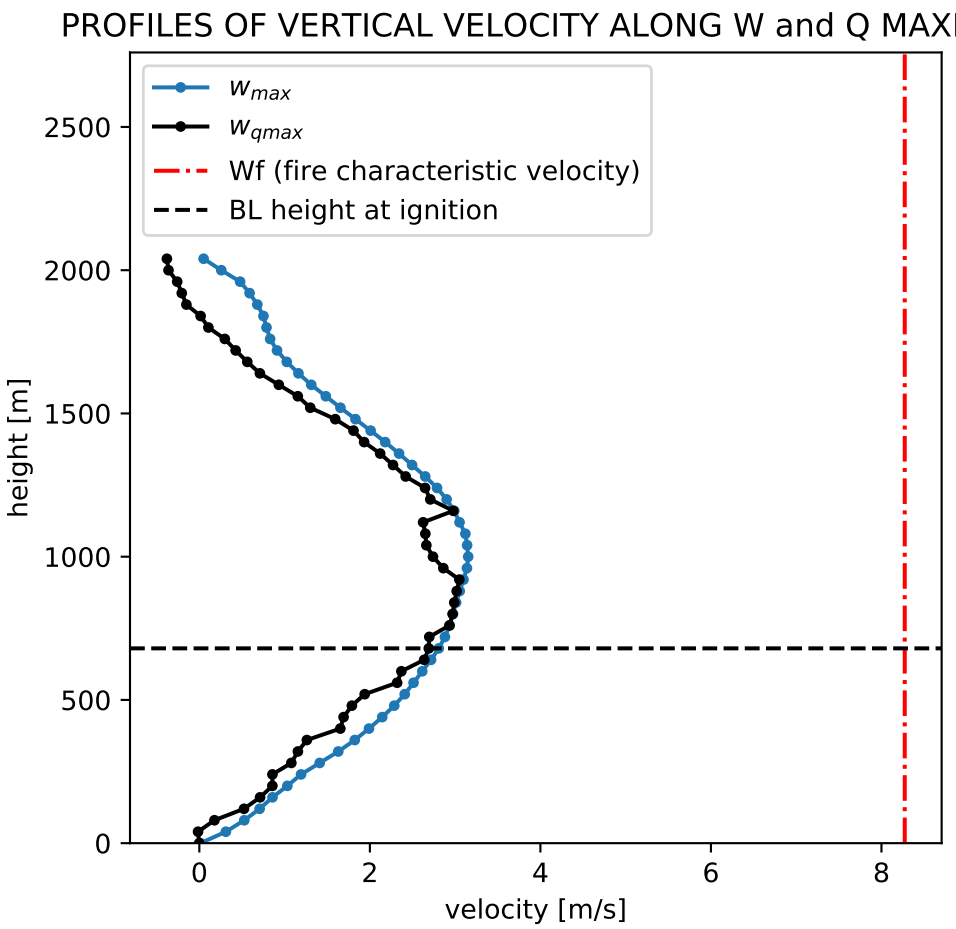
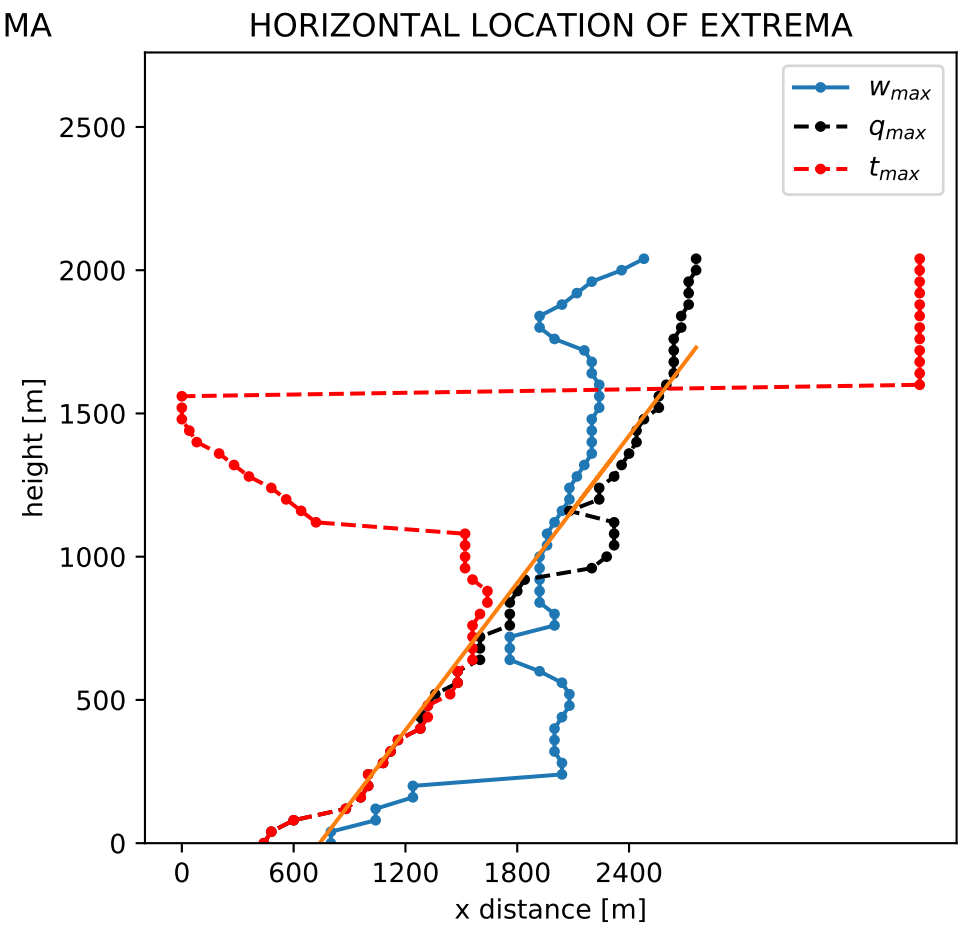
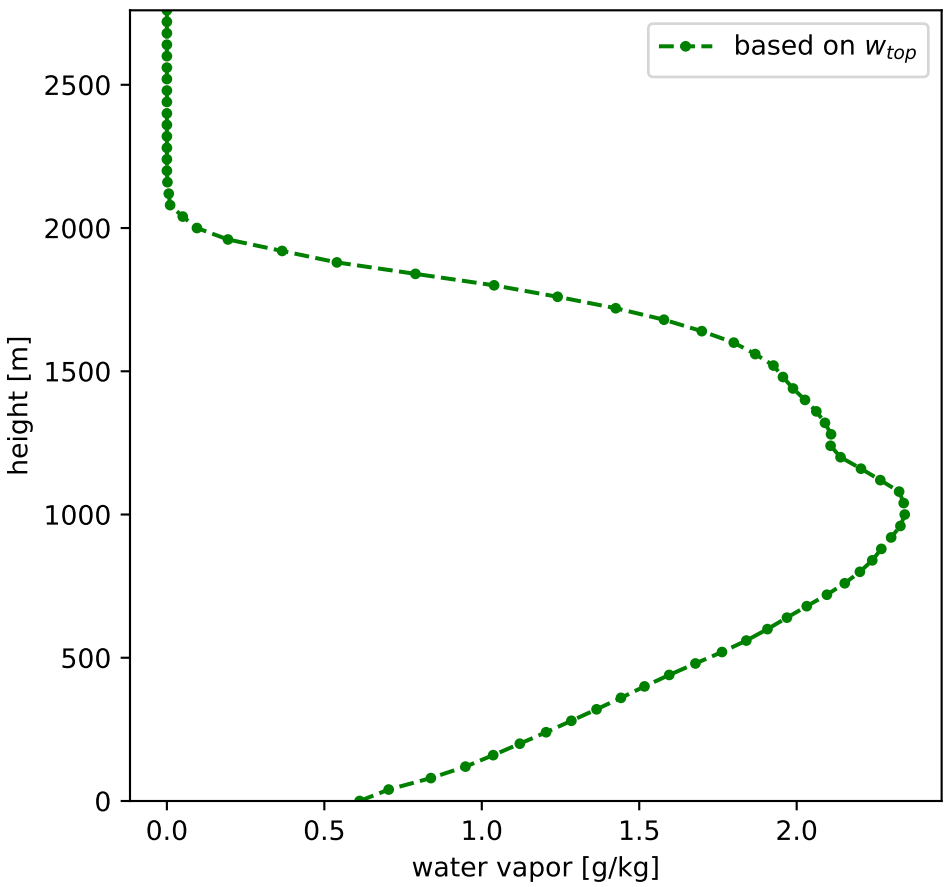
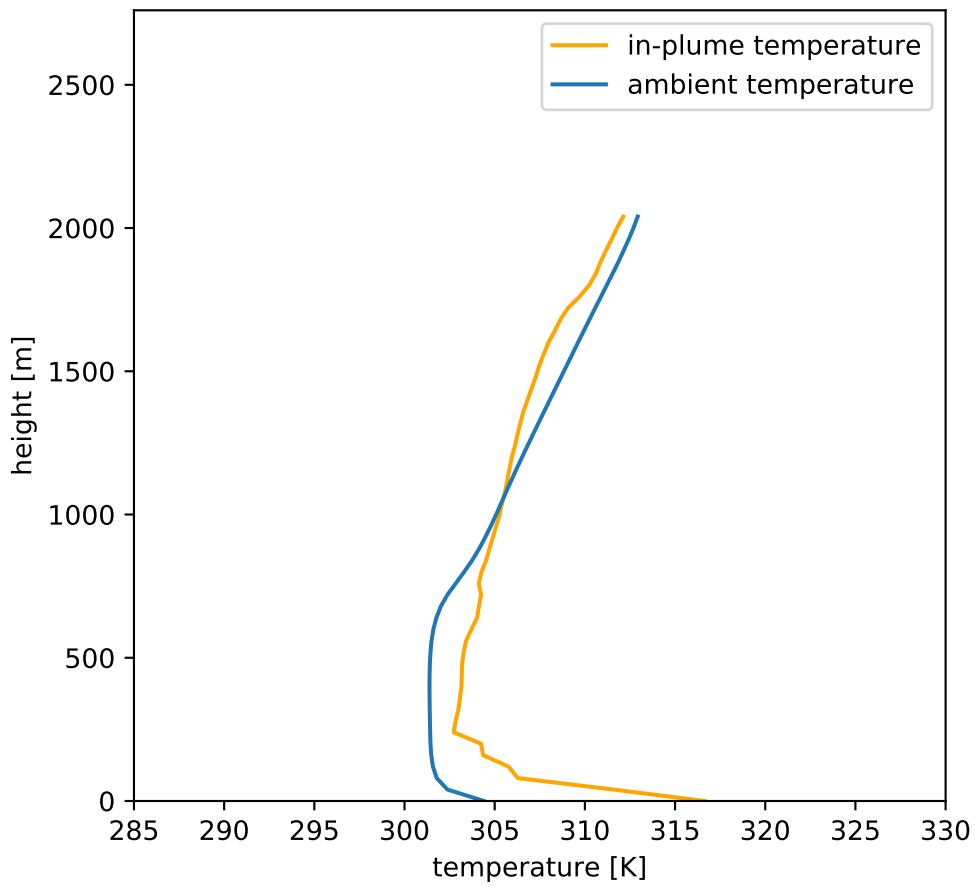
W8S400F7R0


PROFILES OF VERTICAL VELOCITY ALONG W and Q MAXIMA
w_{max}
w_{qmax}
Wf (fire characteristic velocity)
BL height at ignition
height [m]
velocity [m/s]
0
500
1000
1500
2000
2500
0
2
4
6
8


HORIZONTAL LOCATION OF EXTREMA
w_{max}
q_{max}
t_{max}
height [m]
x distance [m]
0
500
1000
1500
2000
2500
0
600
1200
1800
2400


Q CONCENTRATION DOWNWIND (SLICE)
based on w_{top}
height [m]
water vapor [g/kg]
0
500
1000
1500
2000
2500
0.0
0.5
1.0
1.5
2.0


PLUME vs AMBIENT TEMPERATURE
in-plume temperature
ambient temperature
height [m]
temperature [K]
0
500
1000
1500
2000
2500
285
290
295
300
305
310
315
320
325
330