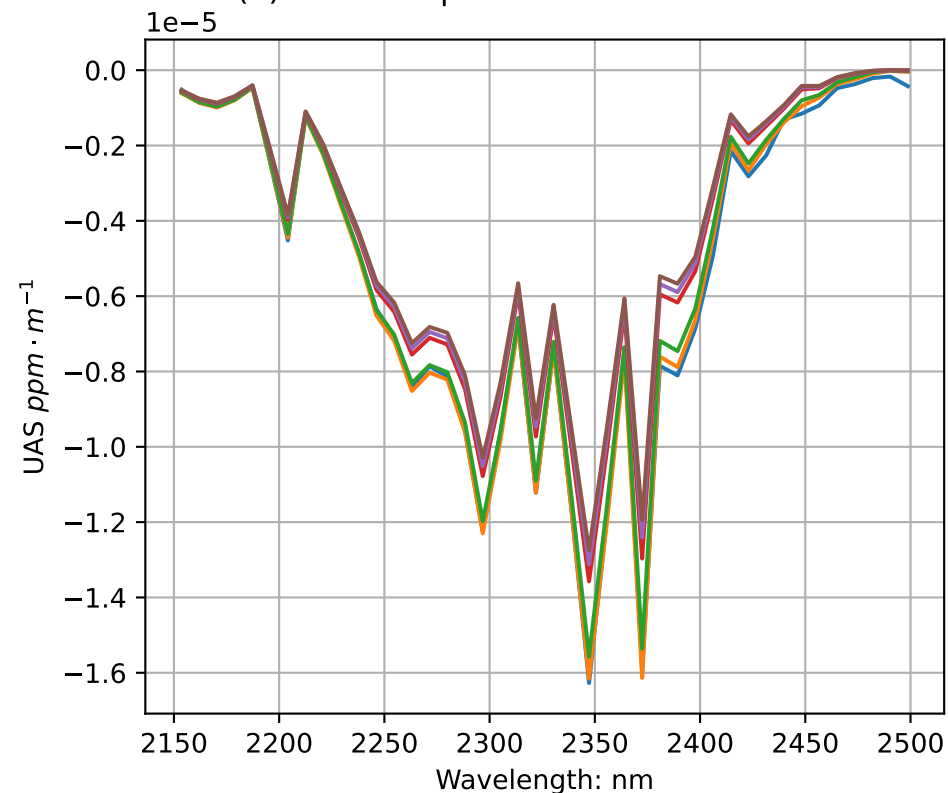
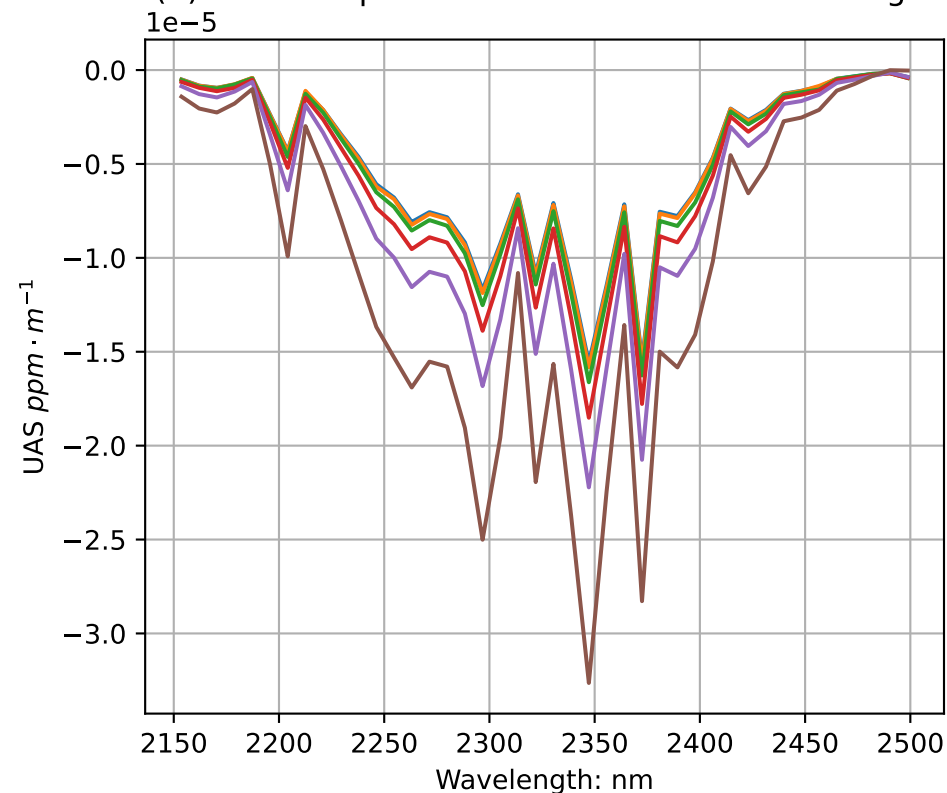


(a) UAS Comparison: Different altitude



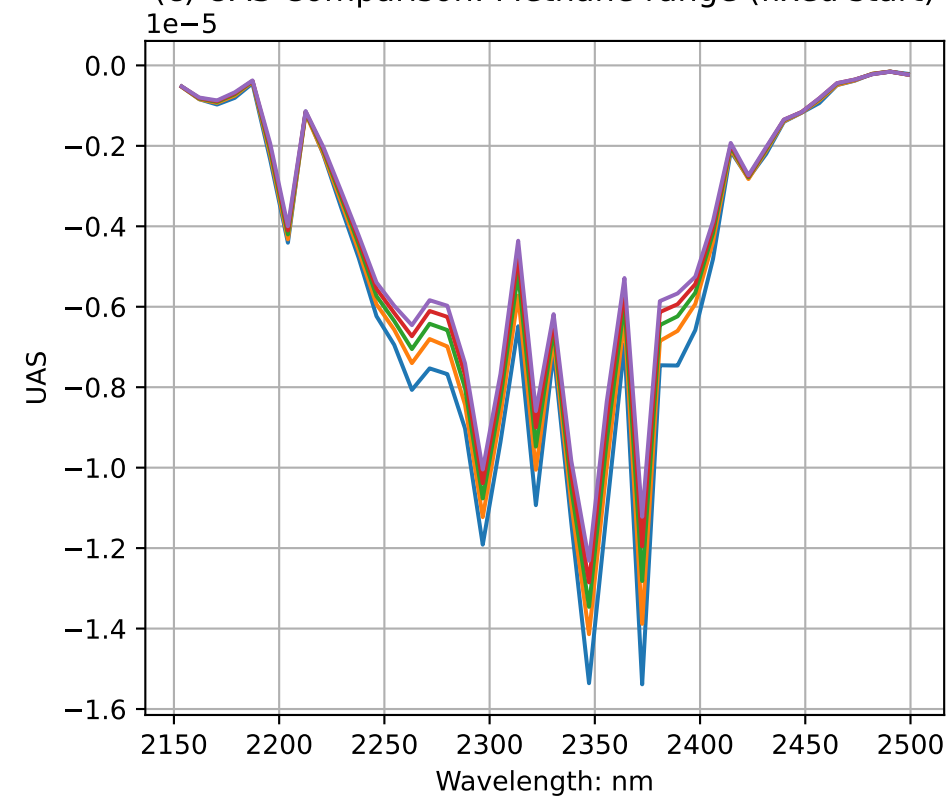
Altitude = 0 km Altitude = 2 km Altitude = 4 km
 Altitude = 1 km Altitude = 3 km Altitude = 5 km

(b) UAS Comparison: Different solar zenith angle



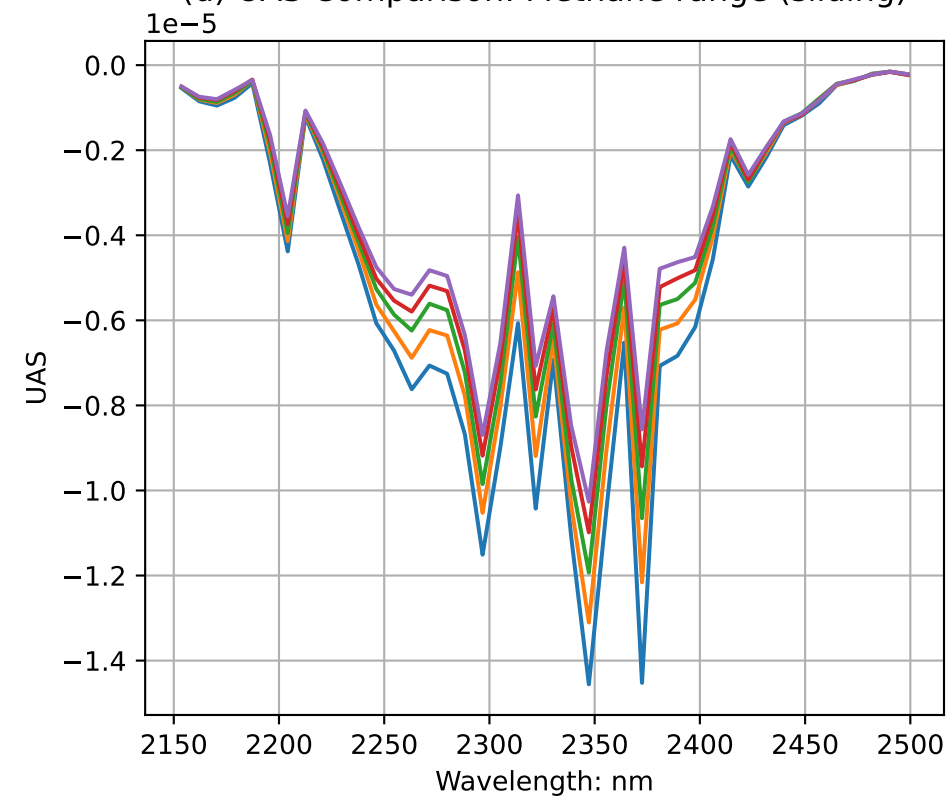
SZA = 0° SZA = 30° SZA = 60°
 SZA = 15° SZA = 45° SZA = 75°

(c) UAS Comparison: Methane range (fixed start)



0-5000 ppm · m 0-25000 ppm · m 0-45000 ppm · m
 0-15000 ppm · m 0-35000 ppm · m

(d) UAS Comparison: Methane range (sliding)



0-10000 ppm · m 20000-30000 ppm · m 40000-50000 ppm · m
 10000-20000 ppm · m 30000-40000 ppm · m