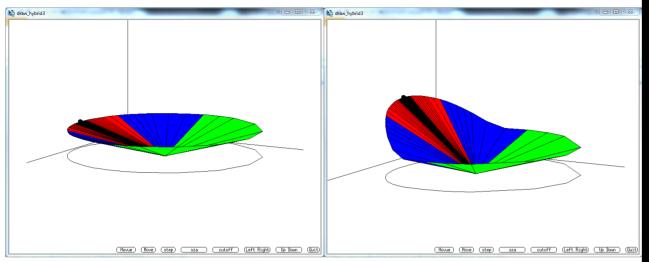
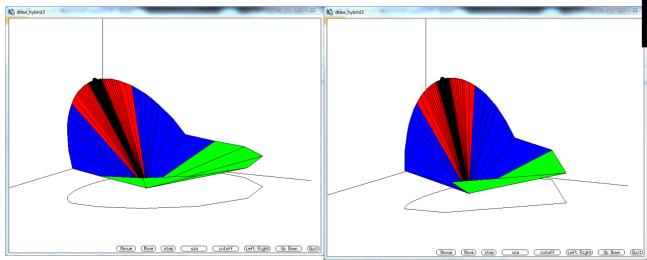
$$SZA = 75^{\circ}$$





$$SZA = 30^{\circ}$$

$$SZA = 15^{\circ}$$



New hybrid sky radiance scans – only possible with the new Model-t cimel instrument

This allows for significantly larger scattering angle measurements at smaller SZA

Black: 0<= angle <6.5 Red: 6.5 <= angle <31 Blue: 31 <= angle <81 Green: angle >= 81

These ranges are similar to the scattering angle bin ranges used for V2 level 2.0 inversion criteria:

Minimum binned scattering angle requirements for each λ: ≥3.2 to 6.0: at least 2 in range ≥6.0 to 30.0: at least 5 in range ≥30.0 to 80: at least 4 in range ≥80.0: at least 3 in range