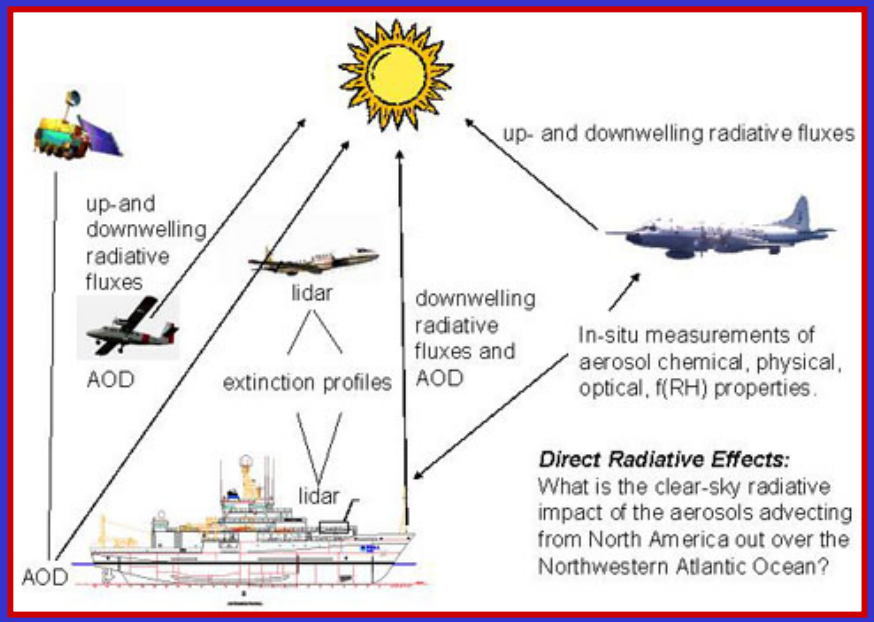
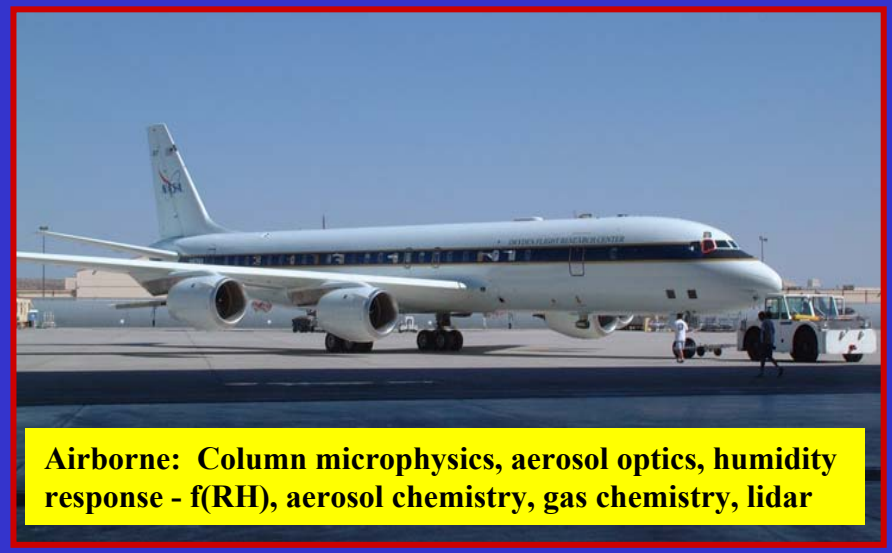
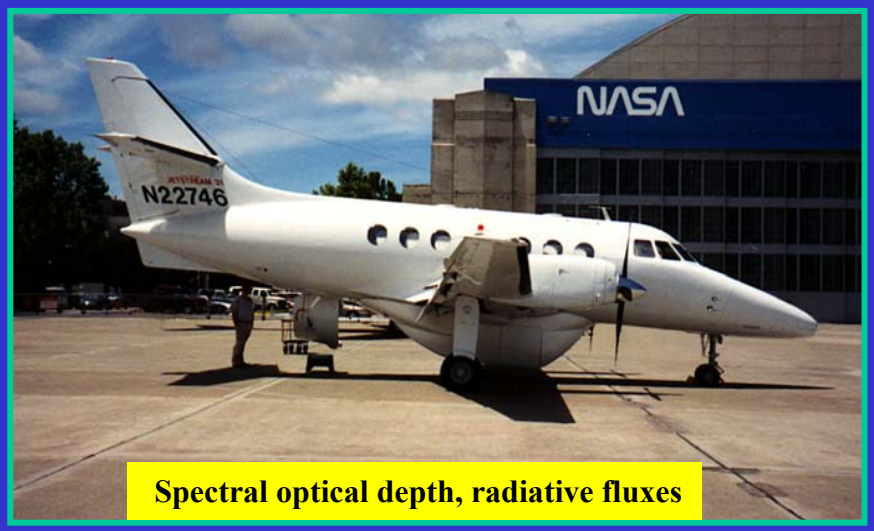
INTEX-A Flight 17, 08/07/2004 – Coordinated MISR Stacked L's Maneuver in co-ordination with NASA DC-8, J-31 and R/V Ron Brown





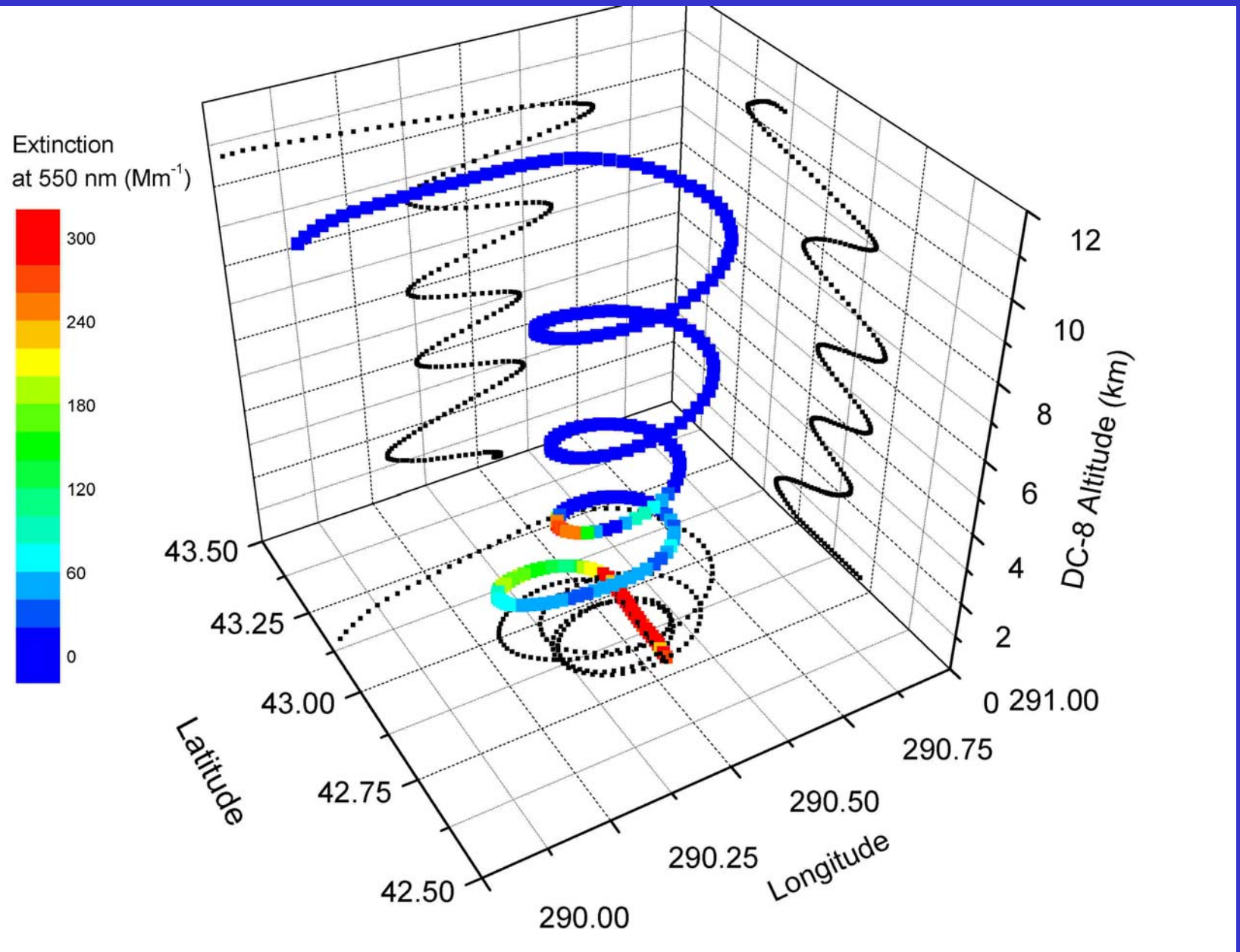
Airborne: Column microphysics, aerosol optics, humidity response - f(RH), aerosol chemistry, gas chemistry, lidar



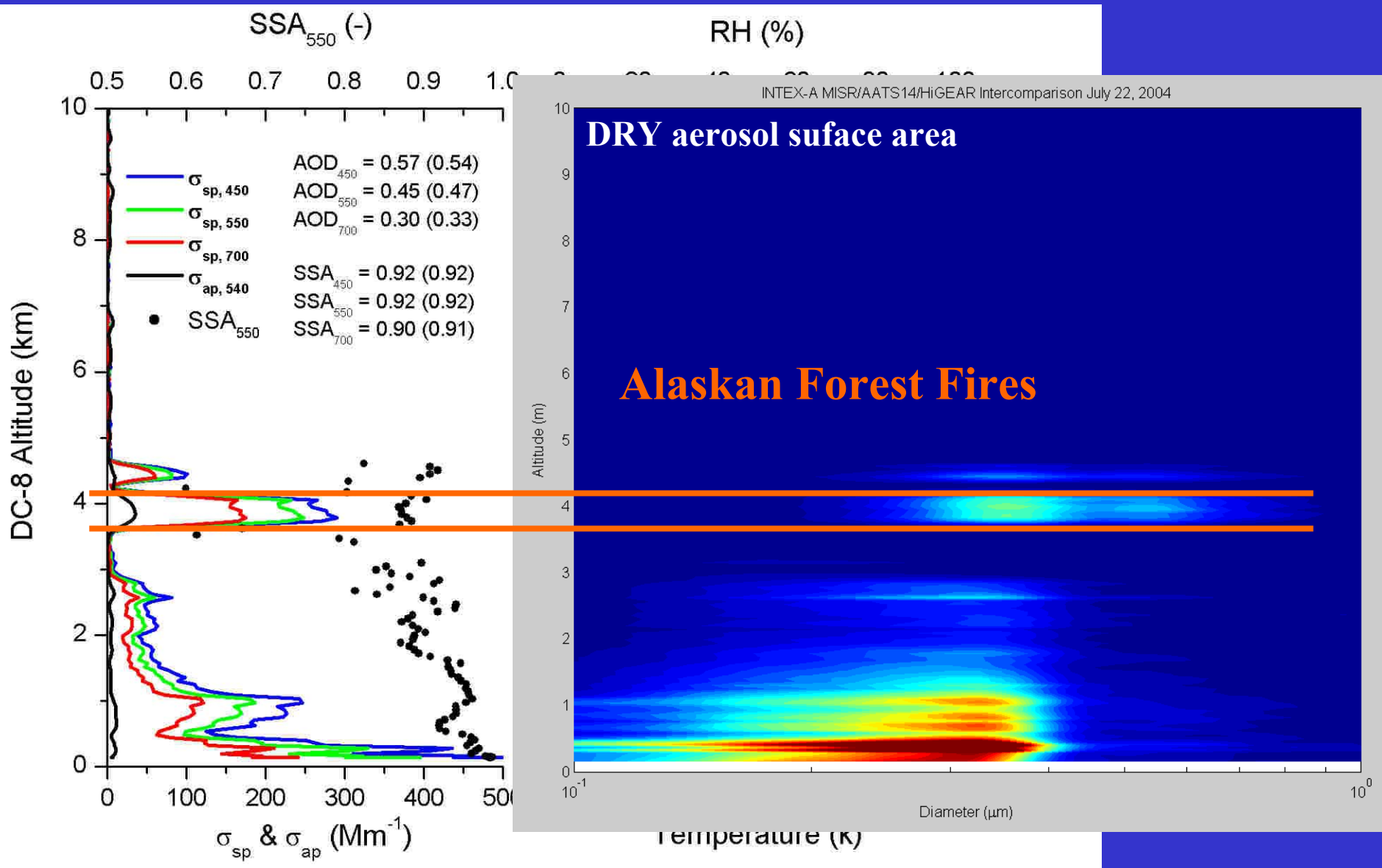
Spectral optical depth, radiative fluxes

Surface: microphysics, aerosol optics, humidity response – f(RH), aerosol chemistry, organics, gas chemistry, lidar

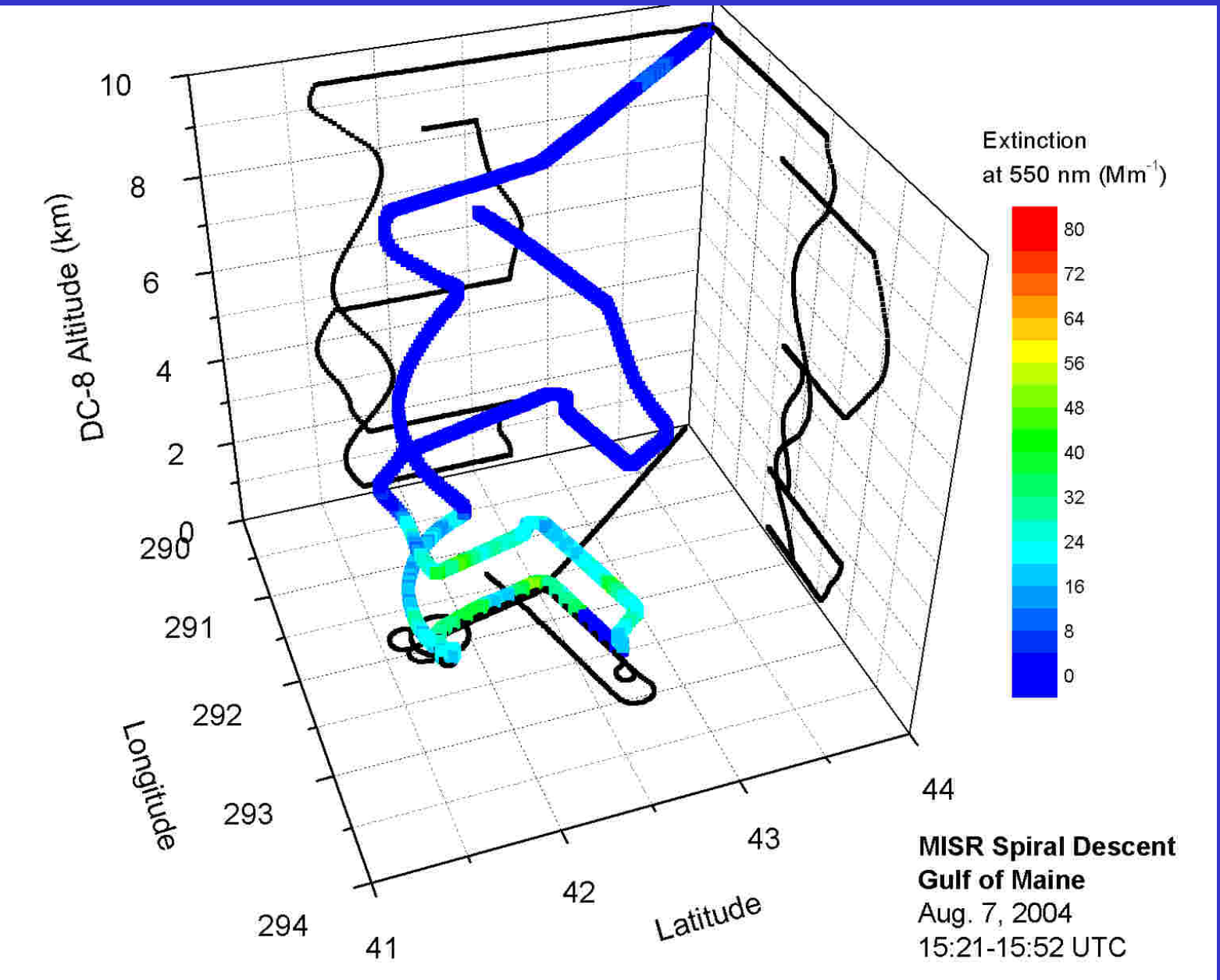
INTEX-A - MISR Spiral Ascent – Gulf of Maine
DC-8 Flight 11 – July 22nd, 2004 - 15:58 - 16:35 UTC



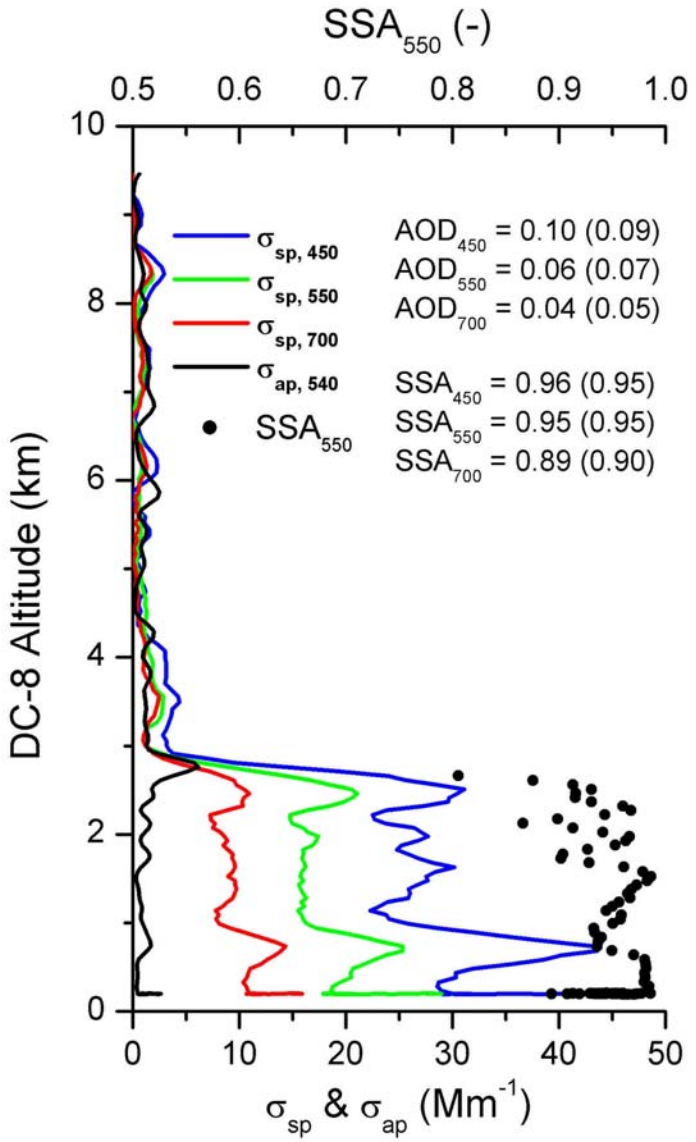
INTEX-A - MISR Spiral Ascent – Gulf of Maine
DC-8 Flight 11 – July 22nd, 2004 - 15:58 - 16:35 UTC

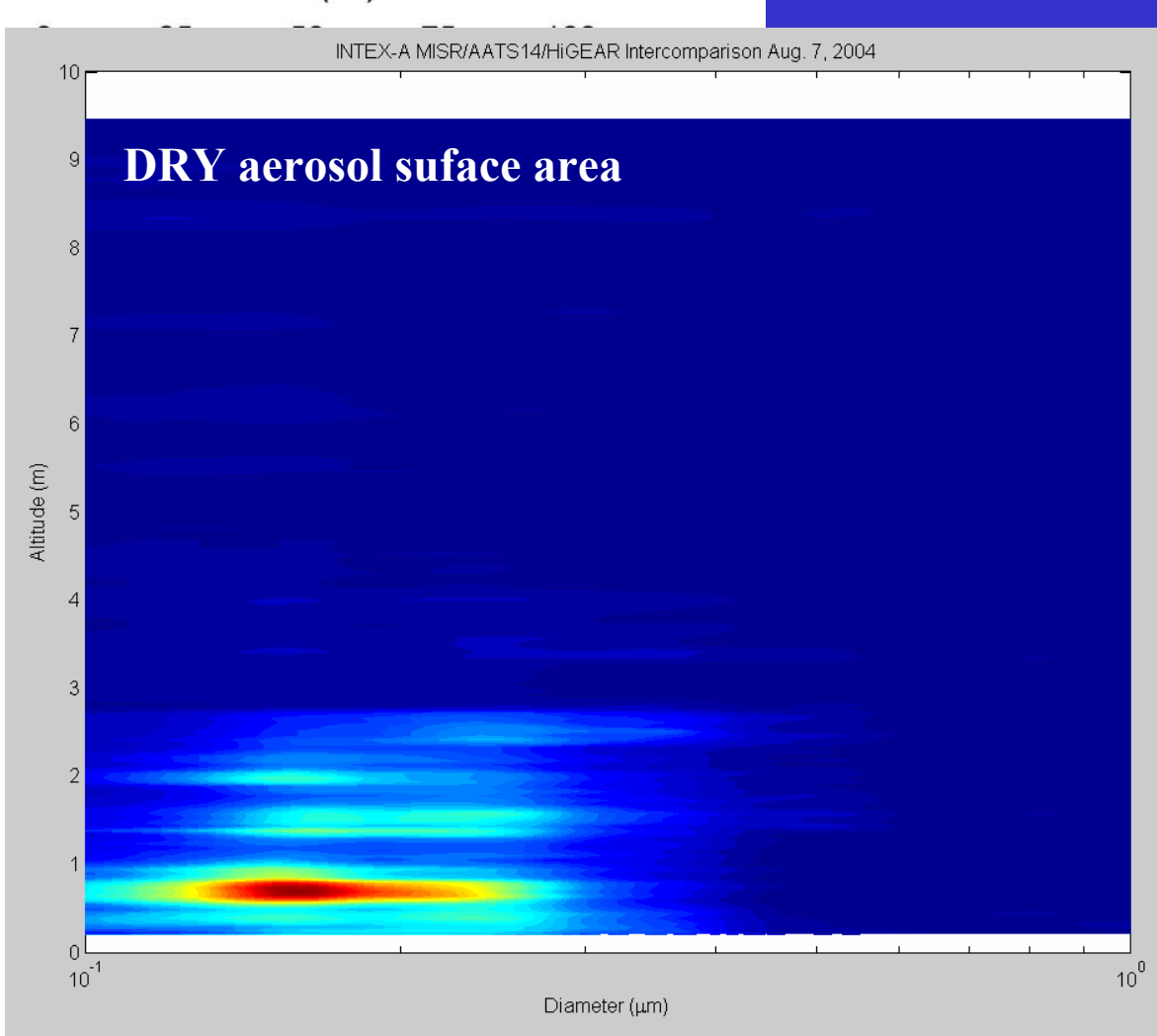


INTEX-A - MISR Spiral Descent – Gulf of Maine
DC-8 Flight 17 – Aug. 7th, 2004 – 15:21 - 15:52 UTC



INTEX-A - MISR Spiral Descent – Gulf of Maine
DC-8 Flight 17 – Aug. 7th, 2004 – 15:21 - 15:52 UTC





First cut…

G. of Maine - 7/22/2004	MISR V15	MISR V16	AATS (approx)	HiGEAR (approx)
Blue AOT	0.735	0.485	0.600	0.57 (0.54)
Green AOT	0.573	0.410	0.440	0.45 (0.47)
Red AOT	0.447	0.364	0.330	0.30 (0.33)
NIR AOT	0.299	0.312	0.210	N/A
Blue SSA				0.92 (0.92)
Green SSA	0.941	0.980		0.92 (0.92)
Red SSA				0.90 (0.91)
Blue-Green Angstrom	1.37	0.67	~1.5	1.39 (1.38)
Blue-Red Angstrom				1.65 (1.63)
G. of Maine - 8/07/2004	MISR V15	MISR V16	AATS (approx)	HiGEAR (approx)
Blue AOT	0.138	0.096	0.100	0.10 (0.09)
Green AOT	0.101	0.080	0.064	0.06 (0.07)
Red AOT	0.075	0.065	0.043	0.04 (0.05)
NIR AOT	0.048	0.052	0.031	N/A
Blue SSA				0.96 (0.95)
Green SSA	0.911	0.990		0.95 (0.95)
Red SSA				0.89 (0.90)
Blue-Green Angstrom	1.62	0.91	~1.6	2.29 - 2.30
Blue-Red Angstrom				2.39 - 2.40