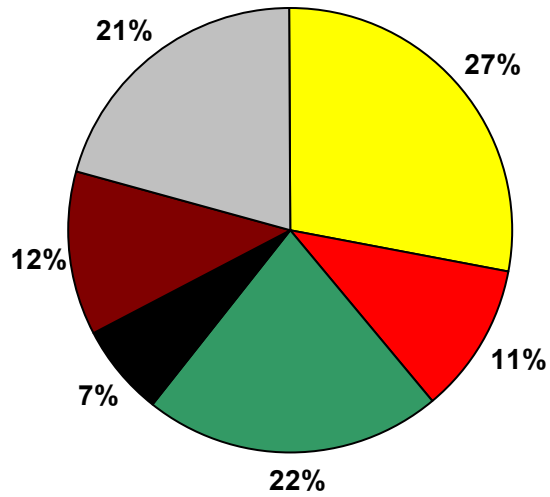


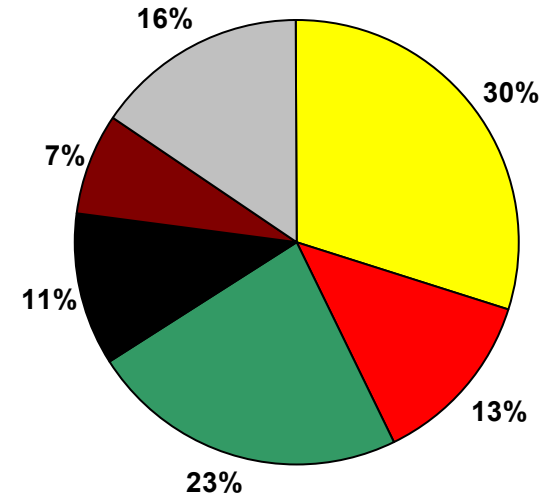
MONITORING DATA

**Yavapai-Apache Nation, AZ
2002 Reconstructed Extinction
IKBA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 30 Mm-1 (23 to 50 Mm-1)

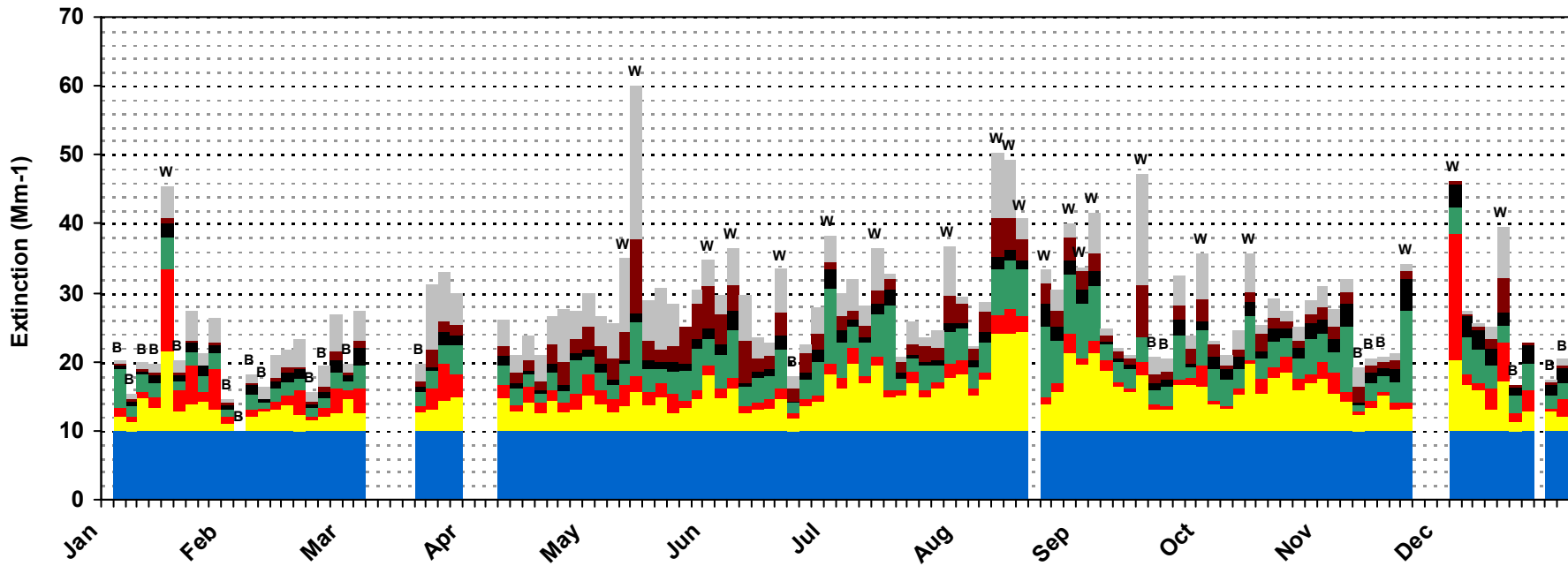


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (0 to 11 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

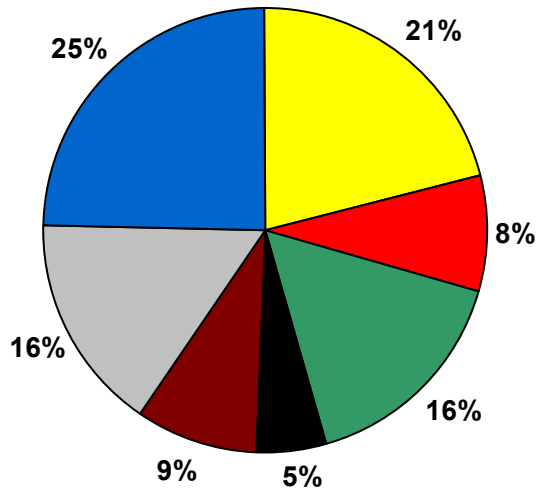
*Excludes Rayleigh Extinction



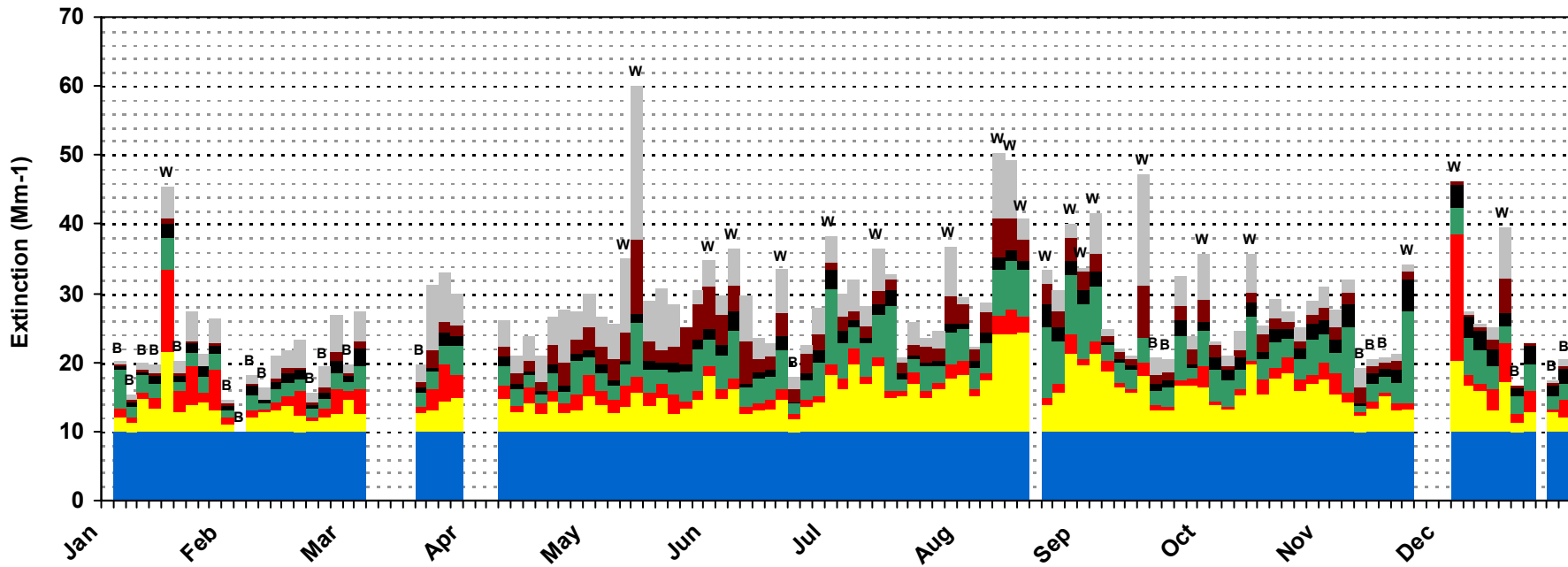
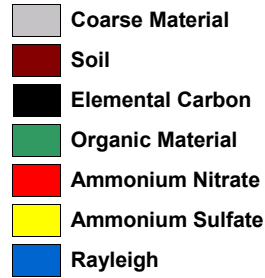
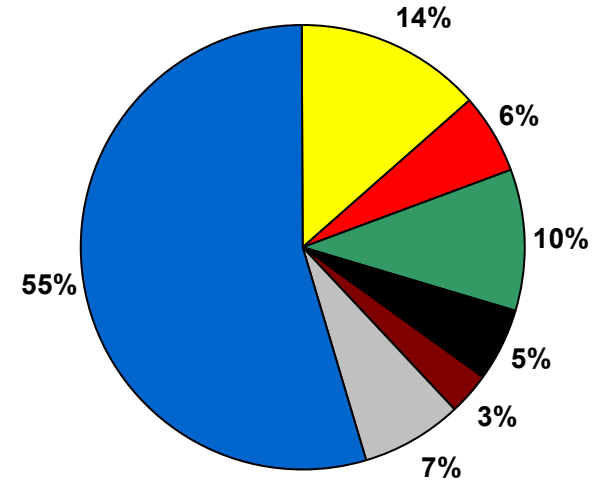
MONITORING DATA

**Yavapai-Apache Nation, AZ
2002 Reconstructed Extinction
IKBA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Total Extinction = 40 Mm-1 (33 to 60 Mm-1)



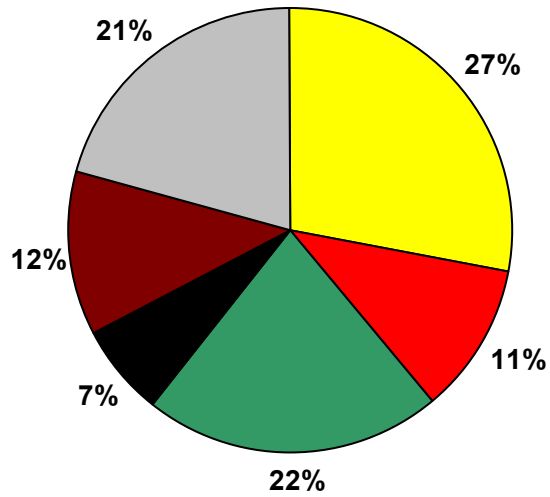
20% Best Visibility Days
Total Extinction = 18 Mm-1 (10 to 21 Mm-1)



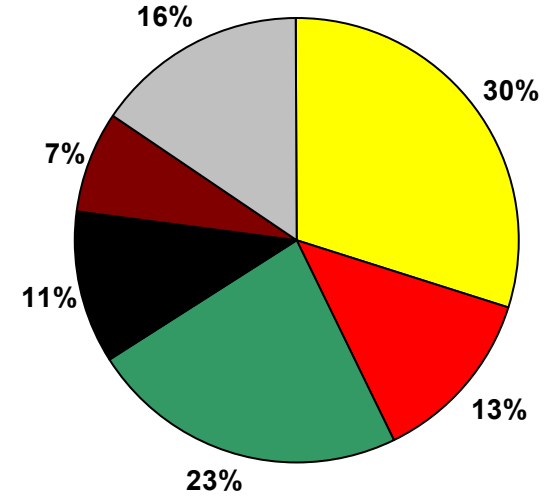
MONITORING DATA

**Yavapai-Apache Nation, AZ
2002 Reconstructed Extinction
IKBA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 30 Mm-1 (23 to 50 Mm-1)

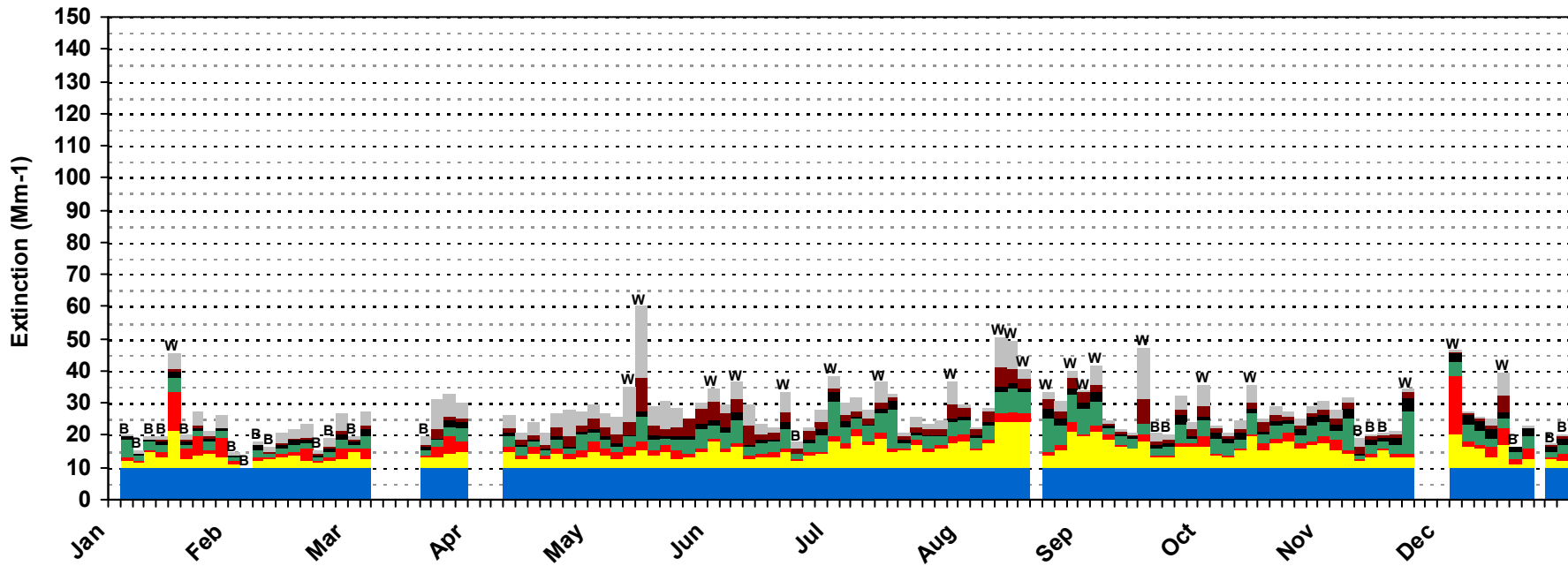


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (0 to 11 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

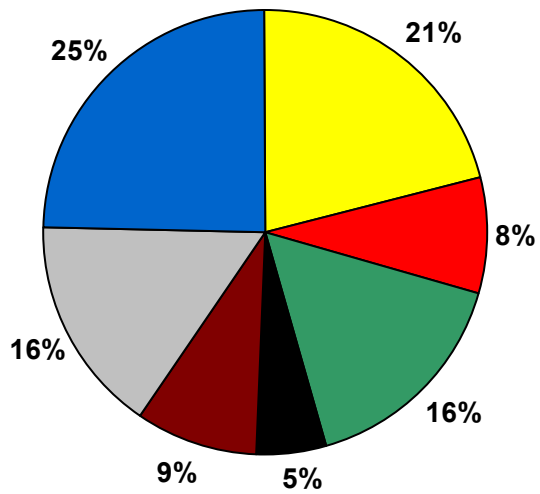
*Excludes Rayleigh Extinction



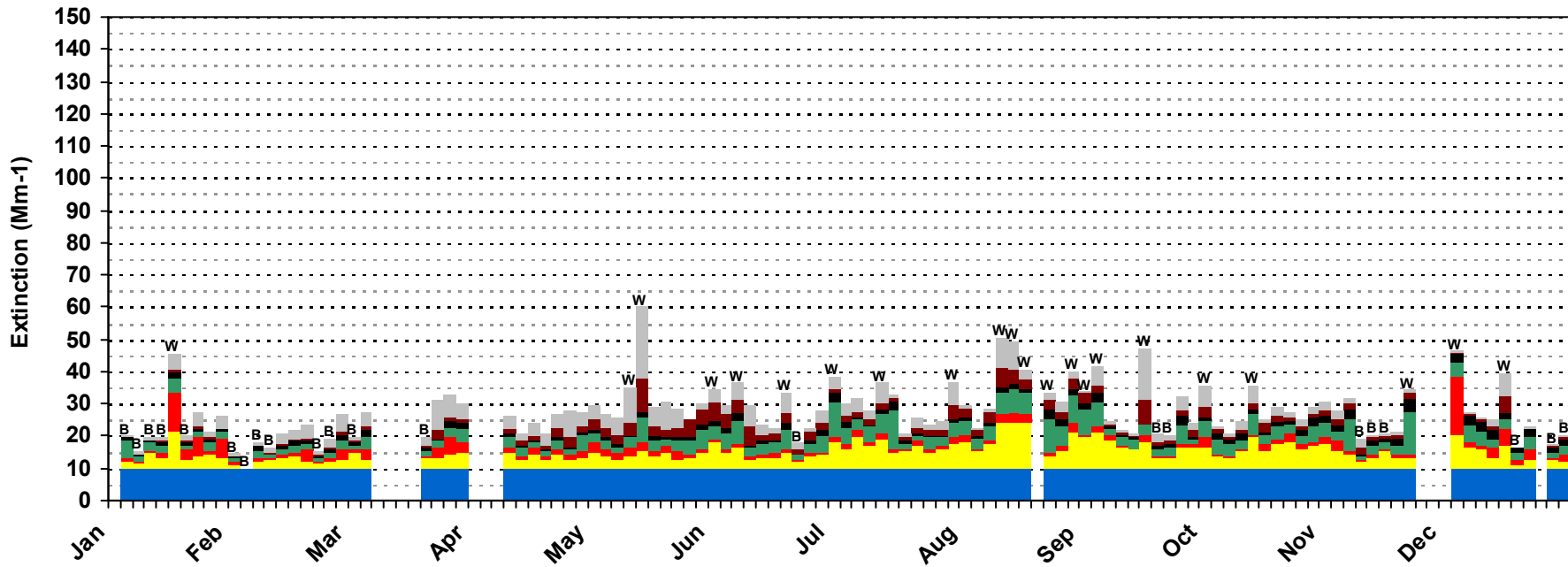
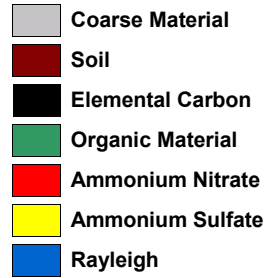
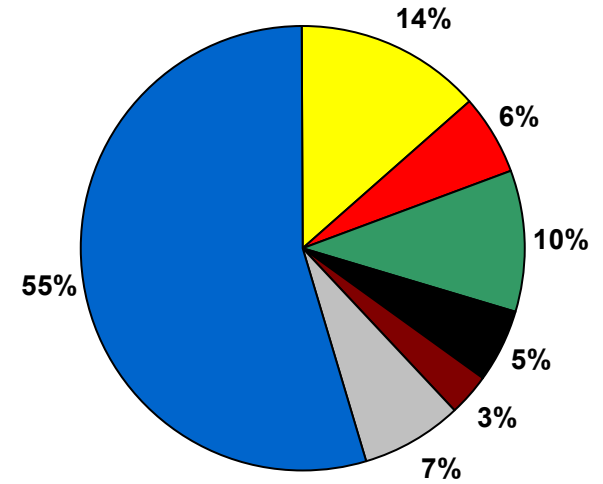
MONITORING DATA

Yavapai-Apache Nation, AZ 2002 Reconstructed Extinction IKBA1 Monitoring Data (every third day)

20% Worst Visibility Days
Total Extinction = 40 Mm-1 (33 to 60 Mm-1)



20% Best Visibility Days
Total Extinction = 18 Mm-1 (10 to 21 Mm-1)



MONITORING DATA

Yavapai-Apache Nation, AZ 2002 Reconstructed Extinction Values IKBA1 Monitoring Data (every third day)

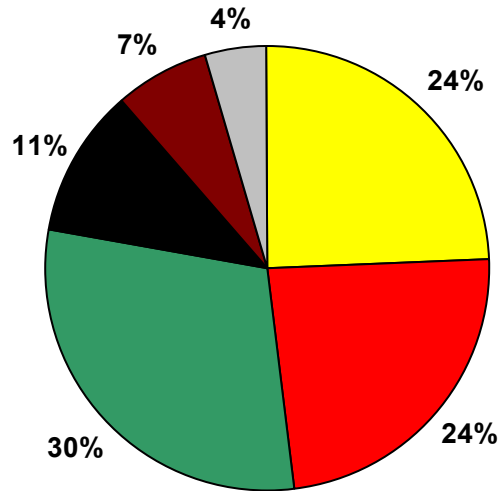
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	40.2 (13.9 dv)	33.3 (12.0 dv)	60.1 (17.9 dv)
Aerosol Extinction*:	30.2	23.3	50.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	8.5	21%	28%
Ammonium Nitrate:	3.3	8%	11%
Organic Material:	6.5	16%	22%
Elemental Carbon:	2.0	5%	7%
Soil:	3.6	9%	12%
Coarse Material:	6.3	16%	21%
Rayleigh:	10.0	25%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	18.3 (6.0 dv)	10.0 (0.0 dv)	20.6 (7.2 dv)
Aerosol Extinction*:	8.3	0.0	10.6
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.5	14%	30%
Ammonium Nitrate:	1.0	6%	13%
Organic Material:	1.9	10%	23%
Elemental Carbon:	0.9	5%	11%
Soil:	0.6	3%	7%
Coarse Material:	1.2	7%	15%
Rayleigh:	10.0	55%	N/A

*Excludes Rayleigh Extinction

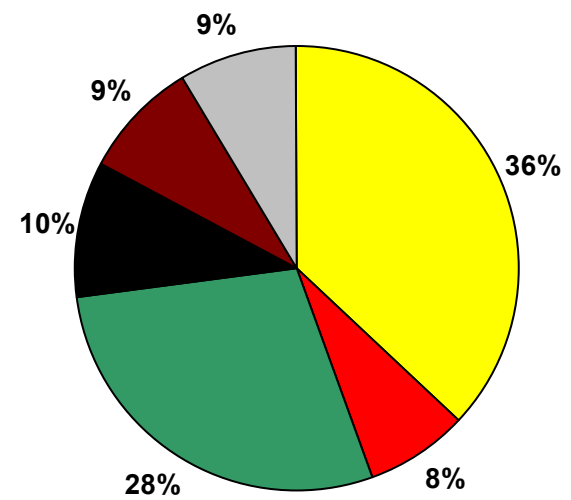
MODEL RESULTS

**Yavapai-Apache Nation, AZ
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 27 Mm-1 (20 to 44 Mm-1)

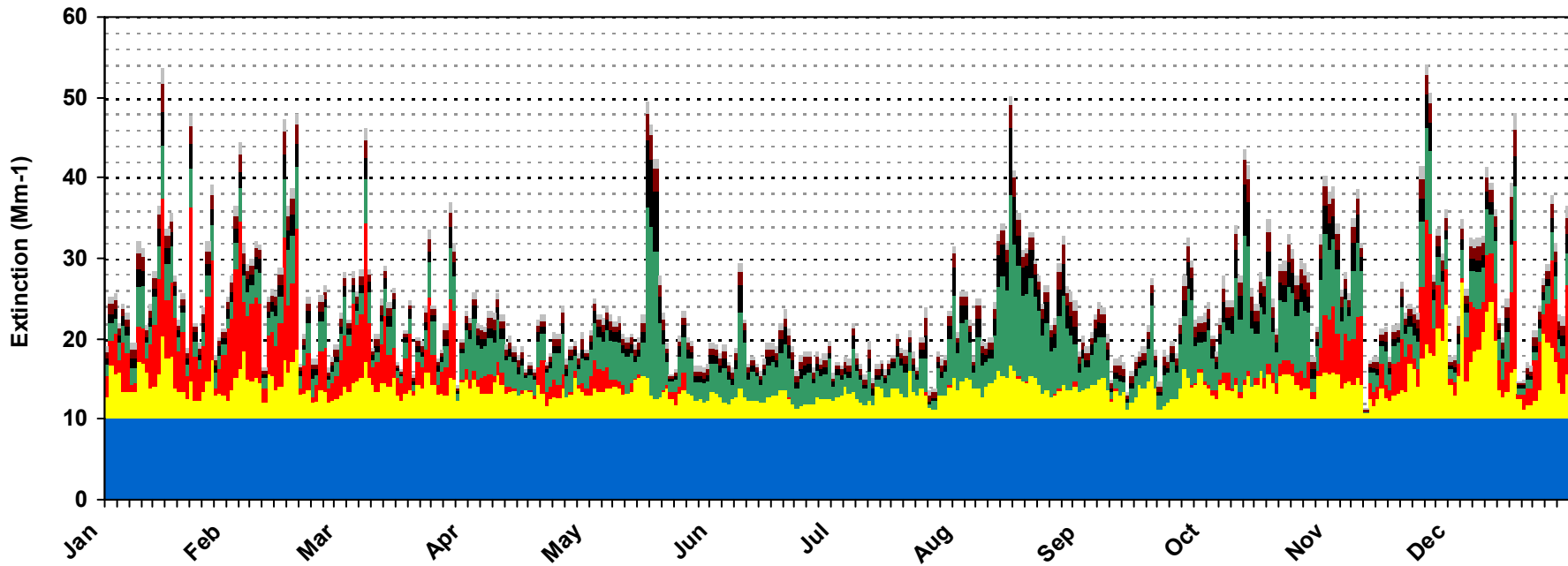


20% Best Visibility Days
Aerosol Extinction* = 7 Mm-1 (1 to 8 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

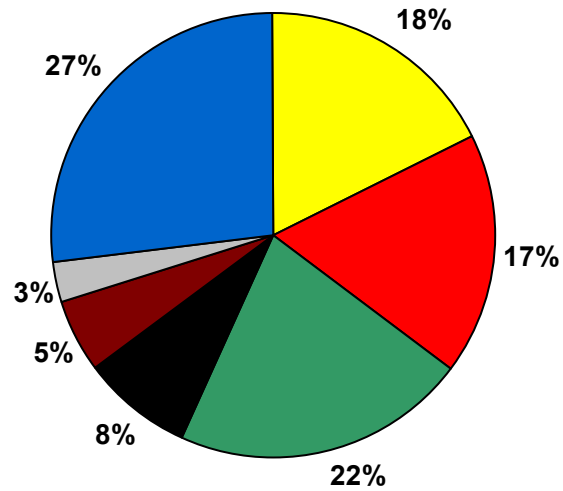
*Excludes Rayleigh Extinction



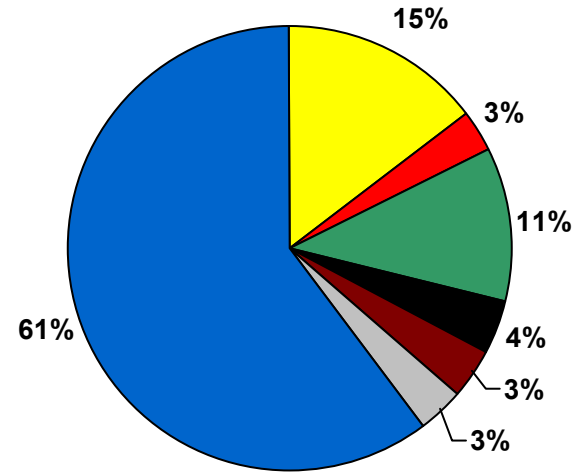
MODEL RESULTS

Yavapai-Apache Nation, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

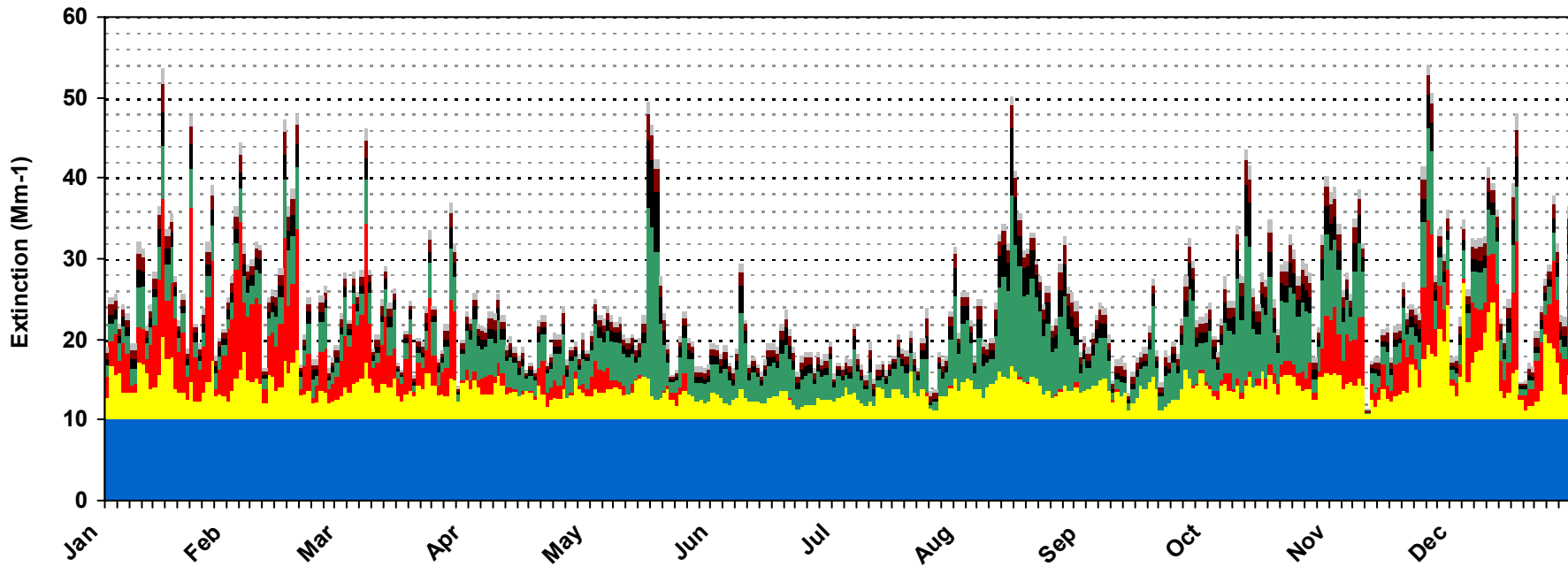
20% Worst Visibility Days
Total Extinction = 37 Mm-1 (30 to 54 Mm-1)



20% Best Visibility Days
Total Extinction = 17 Mm-1 (11 to 18 Mm-1)



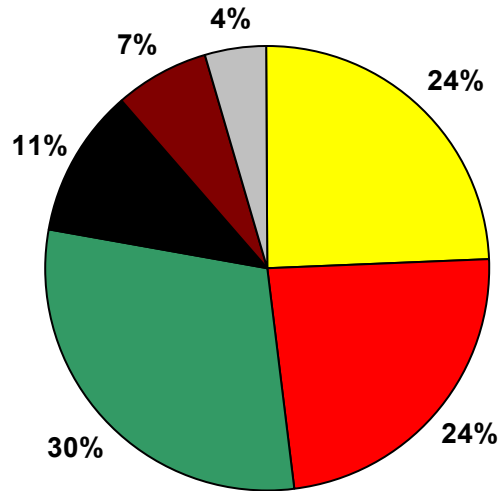
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



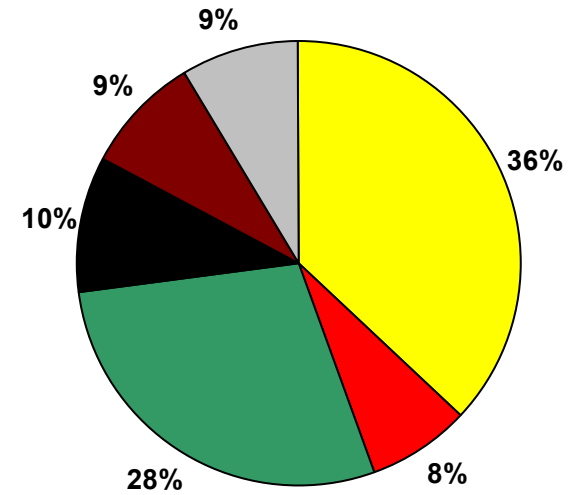
MODEL RESULTS

**Yavapai-Apache Nation, AZ
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 27 Mm-1 (20 to 44 Mm-1)

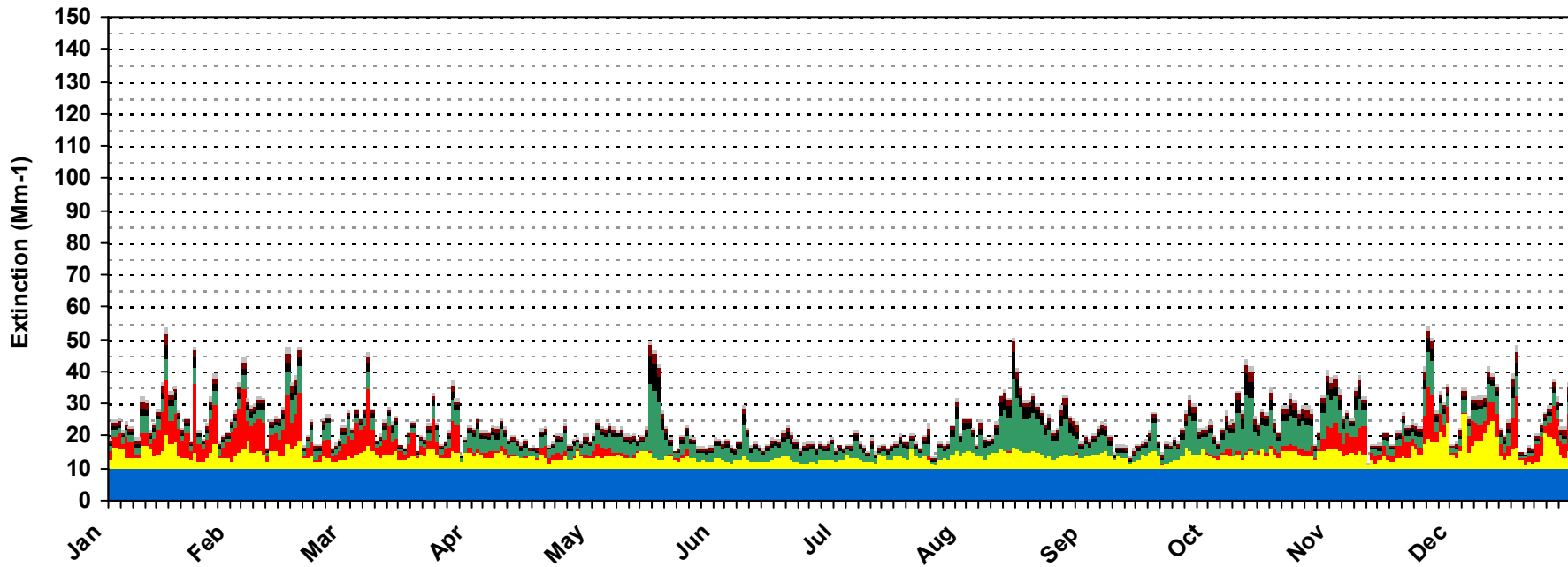


20% Best Visibility Days
Aerosol Extinction* = 7 Mm-1 (1 to 8 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

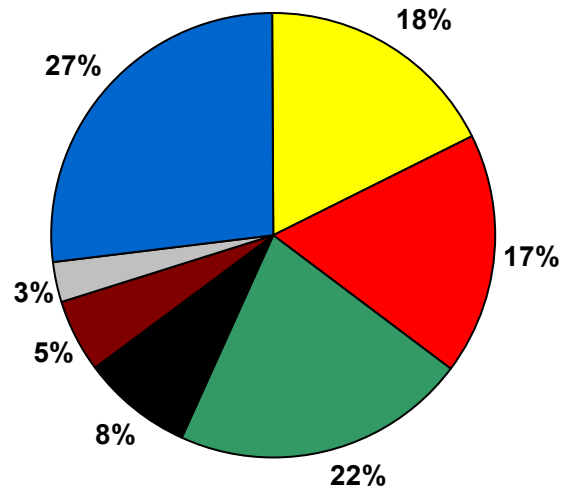
*Excludes Rayleigh Extinction



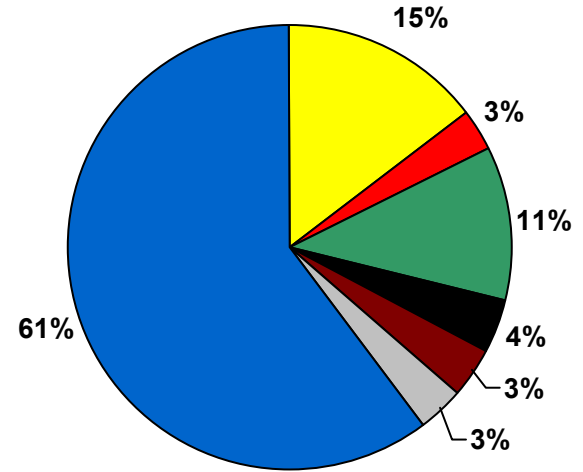
MODEL RESULTS

**Yavapai-Apache Nation, AZ
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

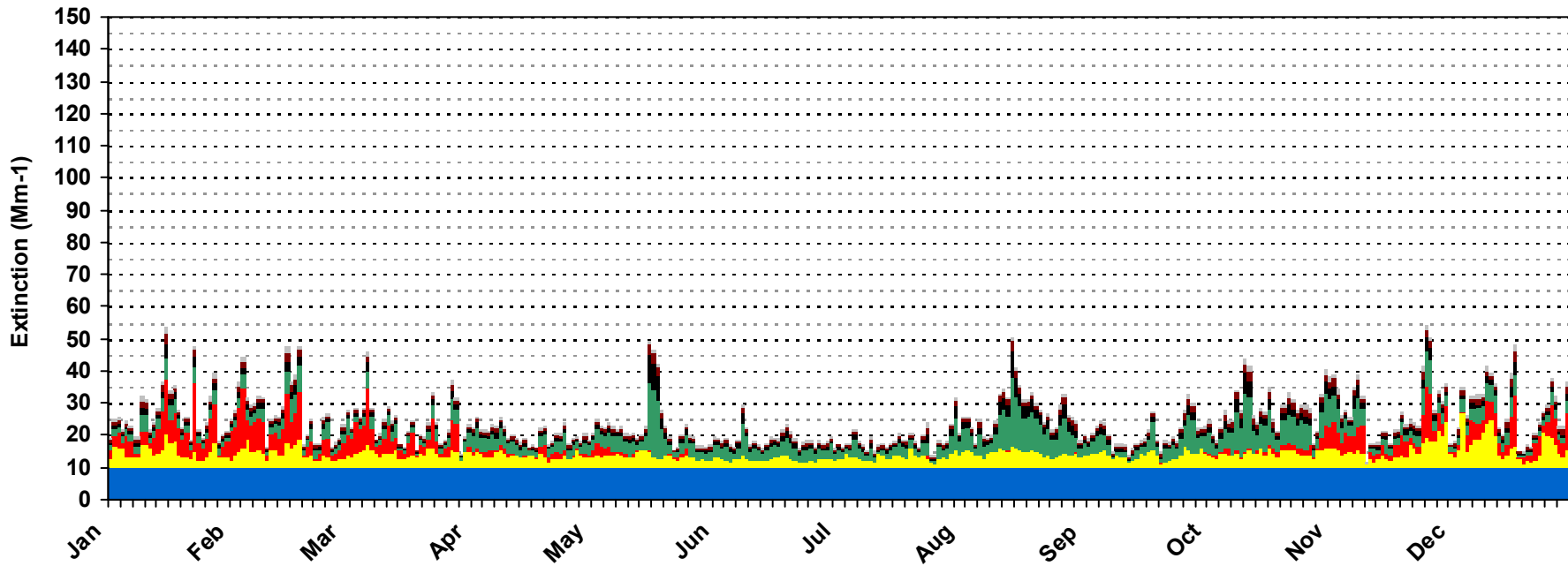
20% Worst Visibility Days
Total Extinction = 37 Mm-1 (30 to 54 Mm-1)



20% Best Visibility Days
Total Extinction = 17 Mm-1 (11 to 18 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



MODEL RESULTS

Yavapai-Apache Nation, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	37.2 (13.1 dv)	29.9 (10.9 dv)	54.1 (16.9 dv)
Aerosol Extinction*:	27.2	19.9	44.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	6.7	18%	24%
Ammonium Nitrate:	6.5	17%	24%
Organic Material:	8.0	22%	29%
Elemental Carbon:	3.0	8%	11%
Soil:	1.9	5%	7%
Coarse Material:	1.2	3%	4%
Rayleigh:	10.0	27%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	16.6 (5.1 dv)	11.3 (1.3 dv)	18.0 (5.9 dv)
Aerosol Extinction*:	6.6	1.3	8.0
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.4	15%	37%
Ammonium Nitrate:	0.5	3%	8%
Organic Material:	1.9	11%	28%
Elemental Carbon:	0.7	4%	10%
Soil:	0.6	3%	9%
Coarse Material:	0.6	3%	9%
Rayleigh:	10.0	60%	N/A

*Excludes Rayleigh Extinction