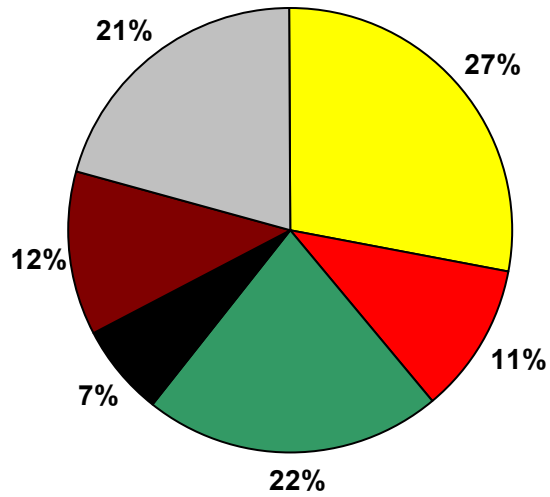


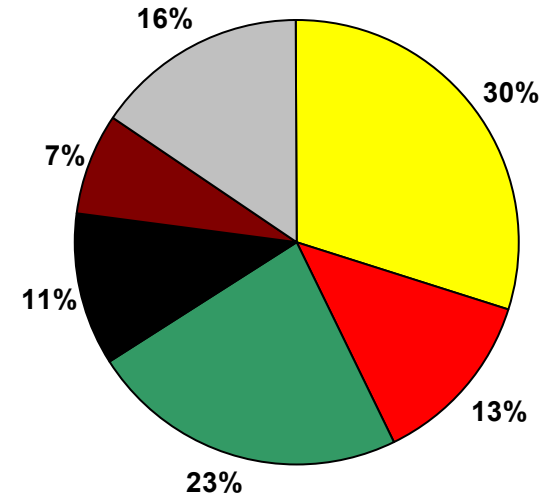
MONITORING DATA

**Mazatzal Wilderness Area, AZ
2002 Reconstructed Extinction
IKBA1 Monitoring Data (every third day)**

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

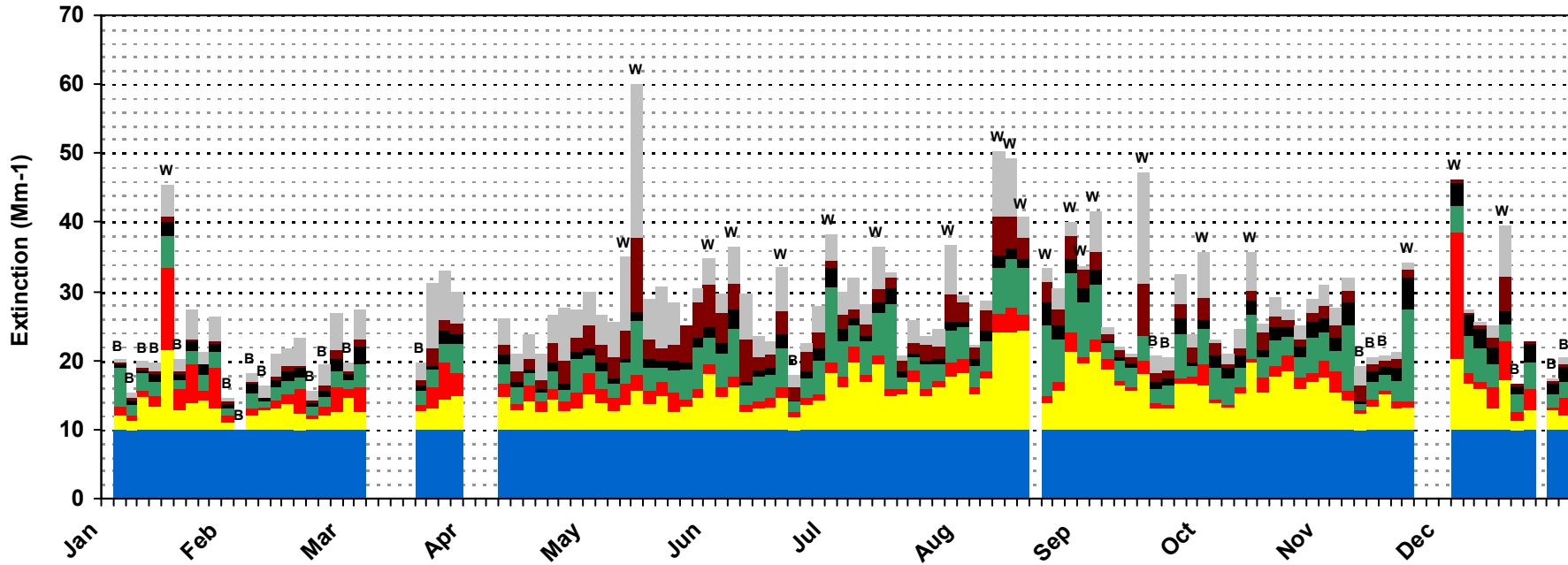


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (0 to 11 Mm-1)



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

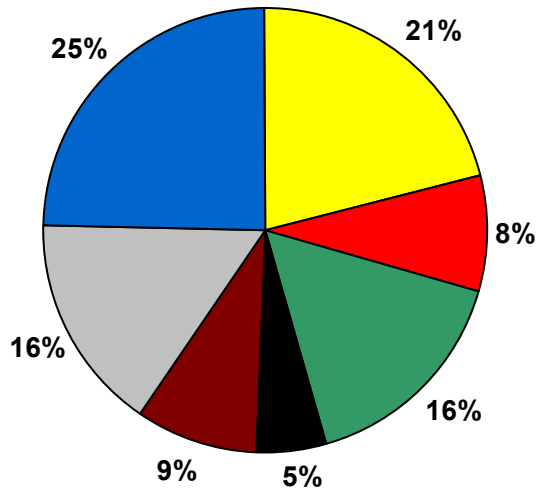
*Excludes Rayleigh Extinction



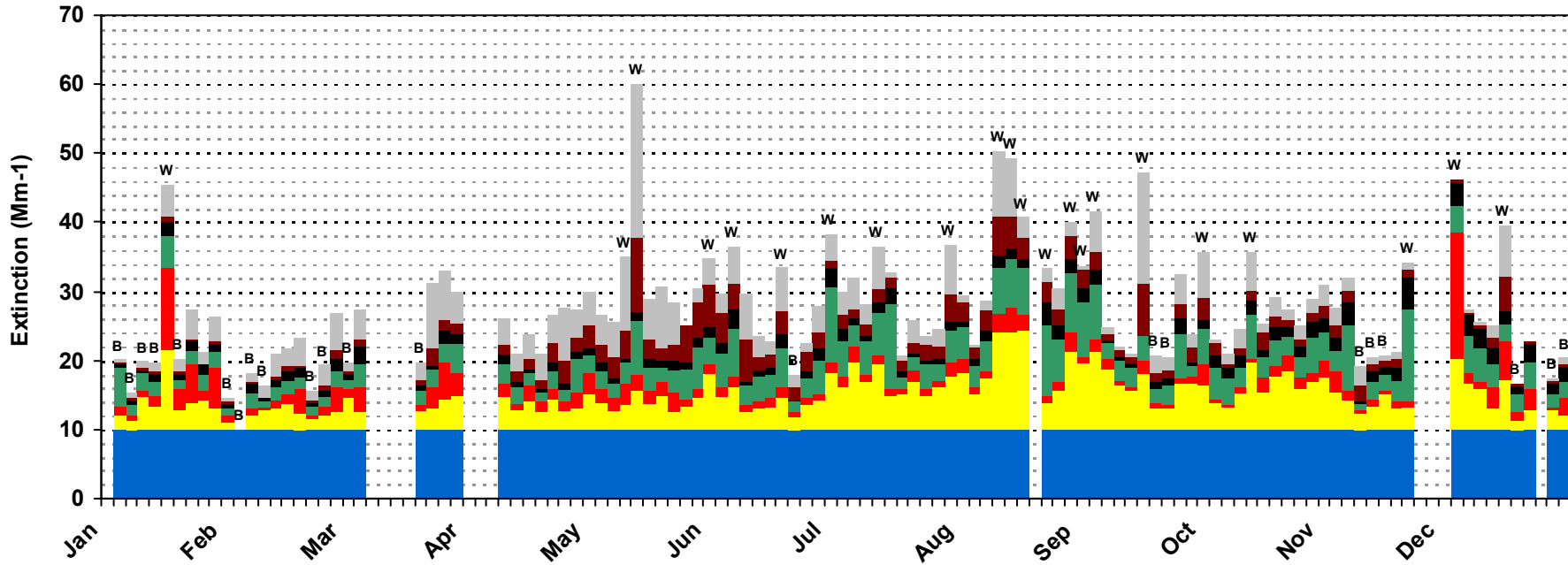
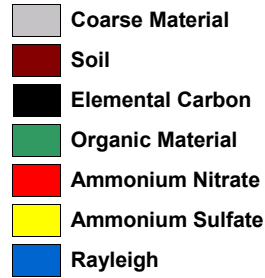
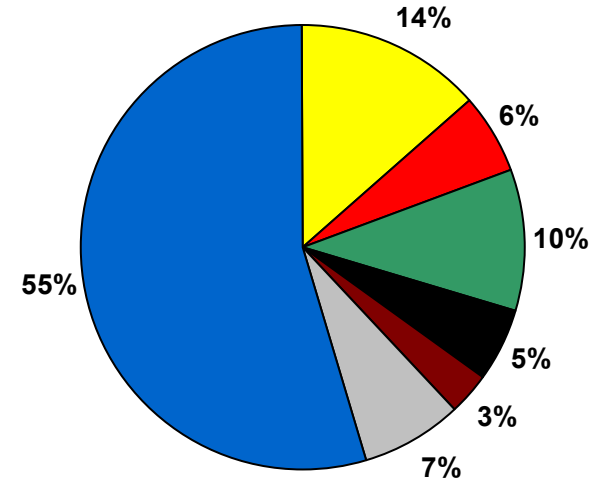
MONITORING DATA

**Mazatzal Wilderness Area, AZ
2002 Reconstructed Extinction
IKBA1 Monitoring Data (every third day)**

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



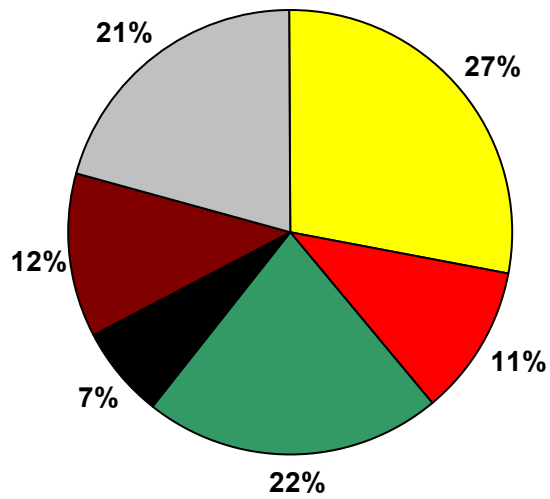
20% Best Visibility Days
Total Extinction = 18 Mm-1 (10 to 21 Mm-1)



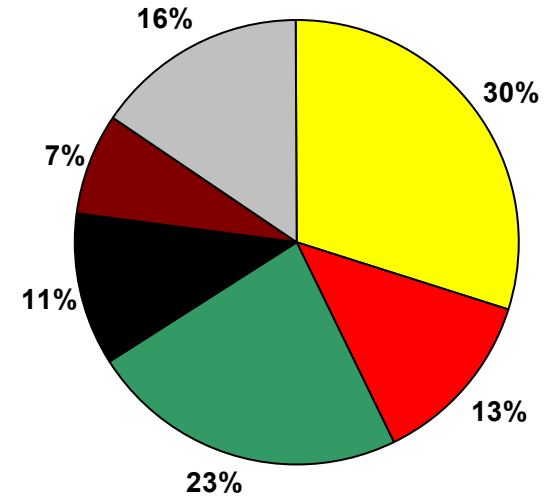
MONITORING DATA

Mazatzal Wilderness Area, AZ 2002 Reconstructed Extinction IKBA1 Monitoring Data (every third day)

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

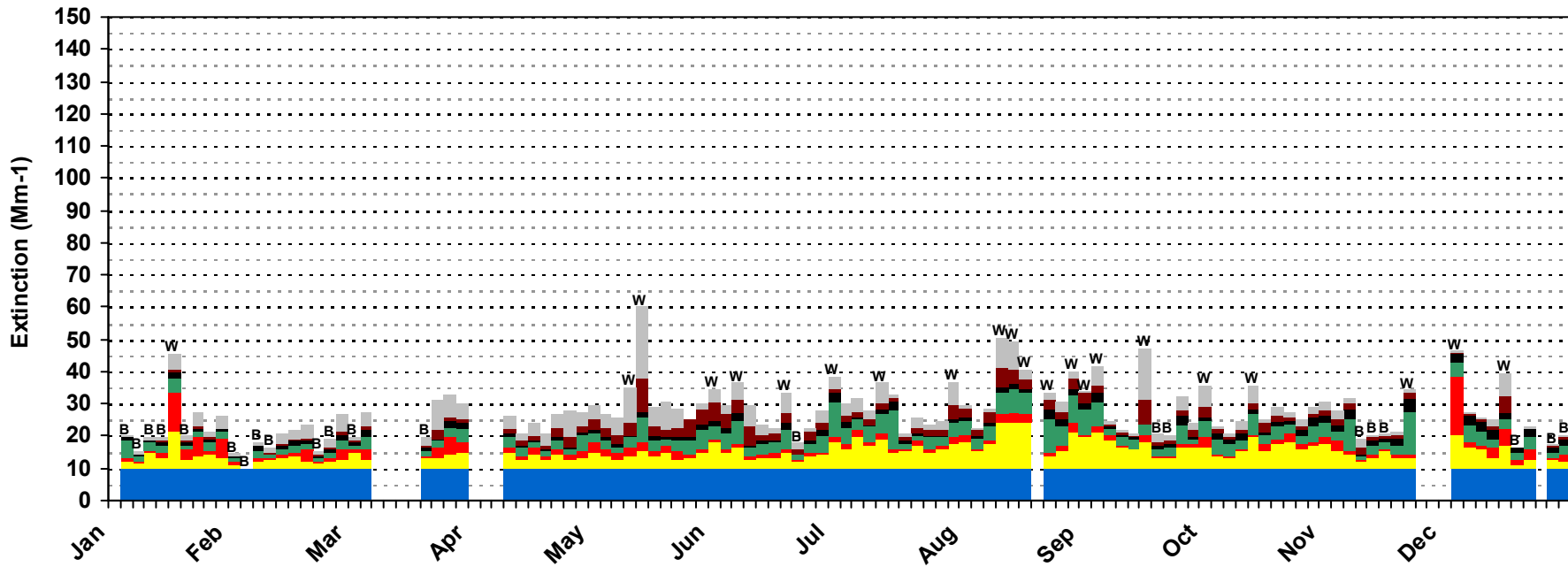


20% Best Visibility Days
Aerosol Extinction* = 8 Mm⁻¹ (0 to 11 Mm⁻¹)



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

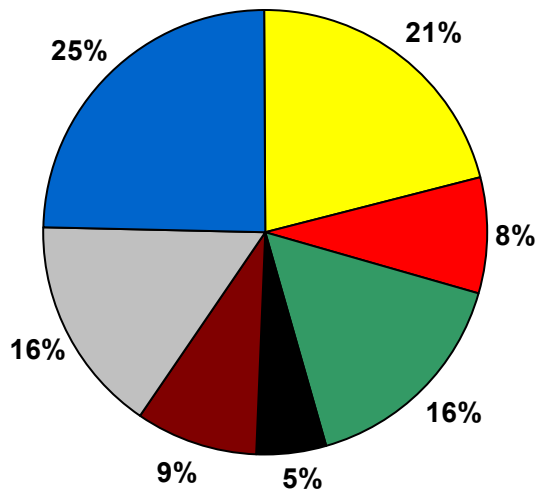
*Excludes Rayleigh Extinction



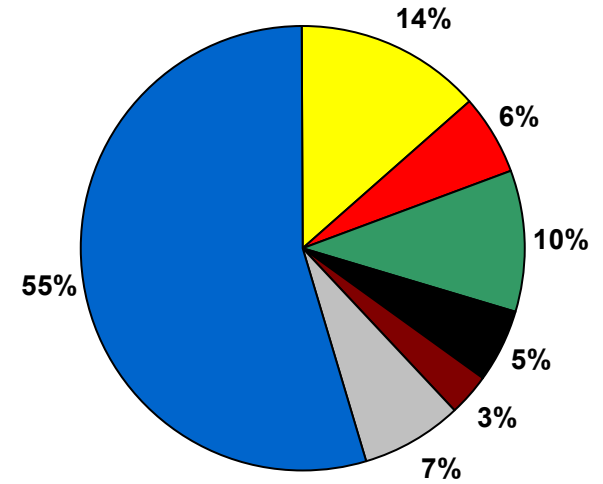
MONITORING DATA

**Mazatzal Wilderness Area, AZ
2002 Reconstructed Extinction
IKBA1 Monitoring Data (every third day)**

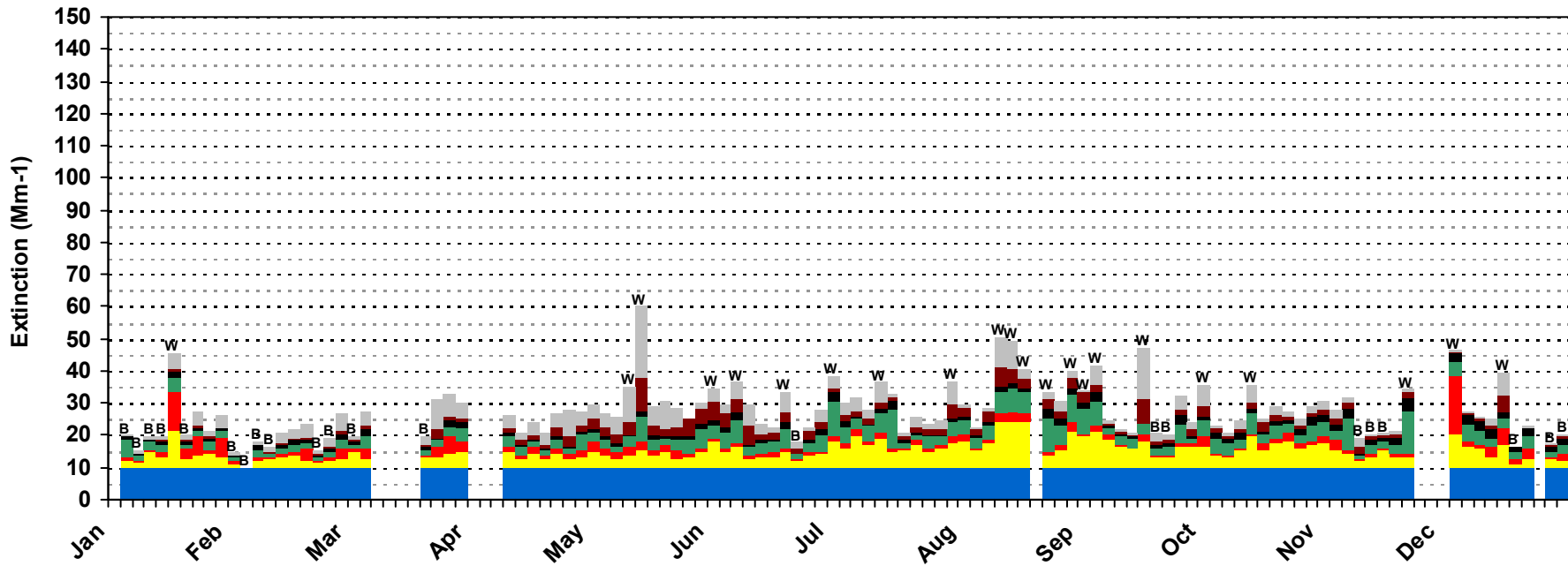
20% Worst Visibility Days
Total Extinction = 40 Mm-1 (33 to 60 Mm-1)



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



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



MONITORING DATA

Mazatzal Wilderness Area, AZ 2002 Reconstructed Extinction Values IKBA1 Monitoring Data (every third day)

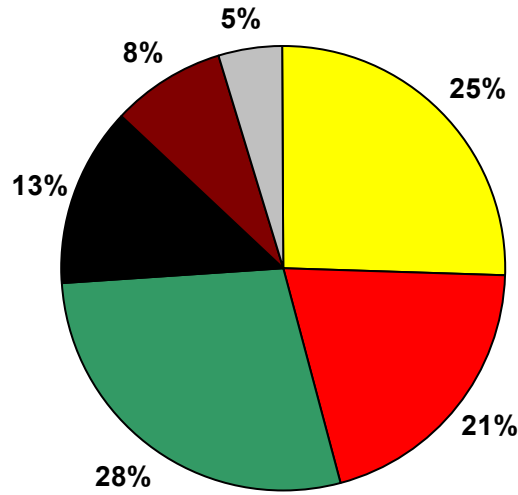
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	40.2 (13.9 dv)	33.3 (12.0 dv)	60.1 (17.9 dv)
Aerosol Extinction*:	30.2	23.3	50.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	8.5	21%	28%
Ammonium Nitrate:	3.3	8%	11%
Organic Material:	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

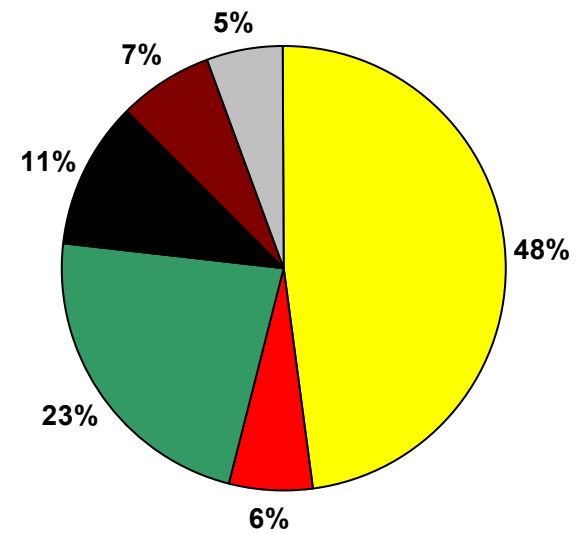
MODEL RESULTS

Mazatzal Wilderness Area, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Aerosol Extinction* = 28 Mm-1 (21 to 57 Mm-1)

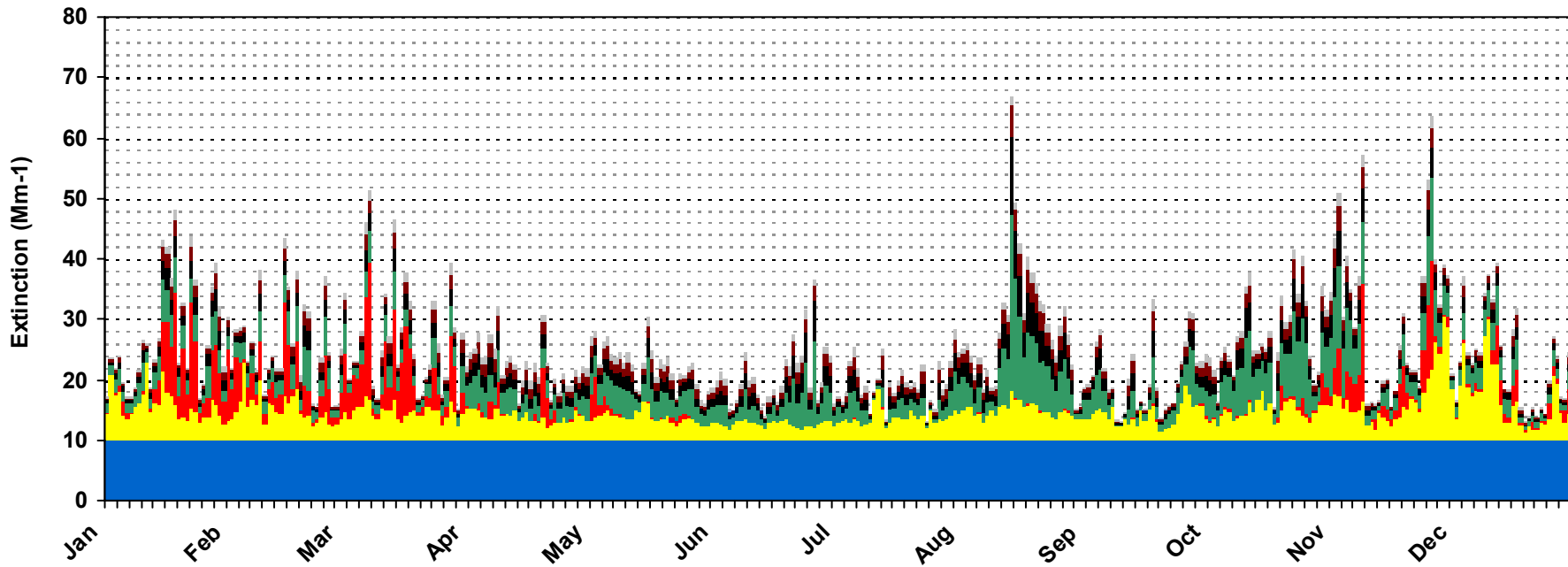


20% Best Visibility Days
Aerosol Extinction* = 6 Mm-1 (3 to 8 Mm-1)



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

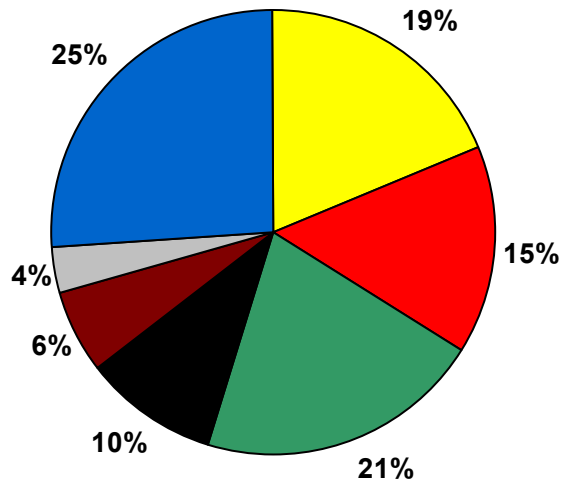
*Excludes Rayleigh Extinction



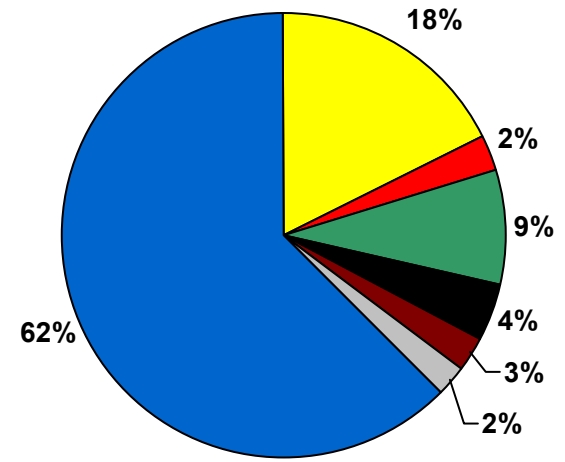
MODEL RESULTS

Mazatzal Wilderness Area, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

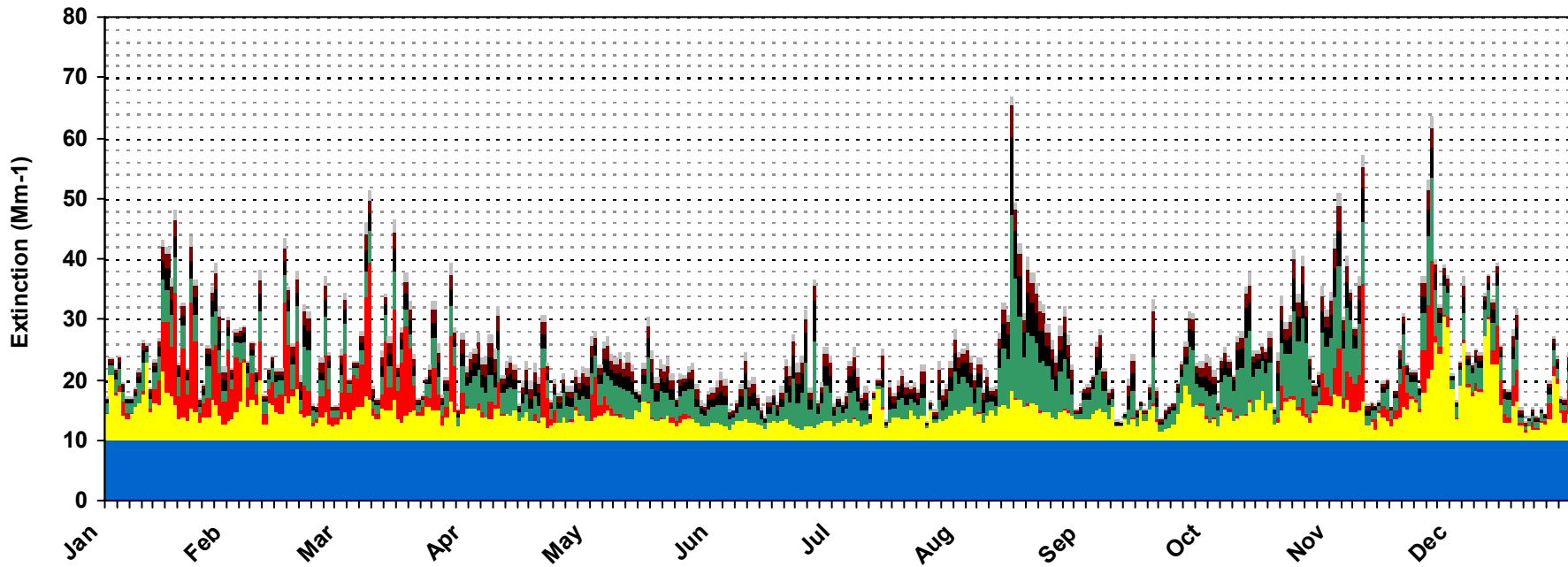
20% Worst Visibility Days
Total Extinction = 38 Mm-1 (31 to 67 Mm-1)



20% Best Visibility Days
Total Extinction = 16 Mm-1 (13 to 18 Mm-1)



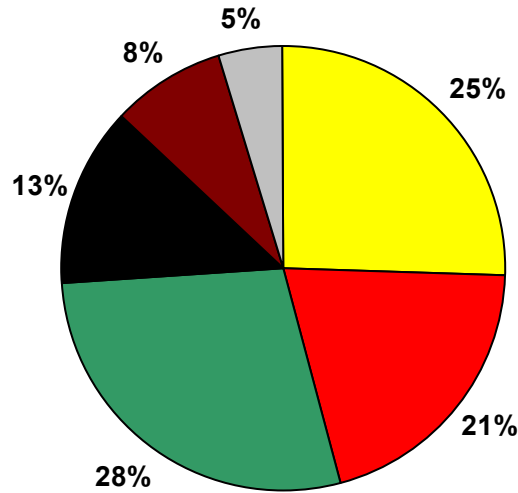
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



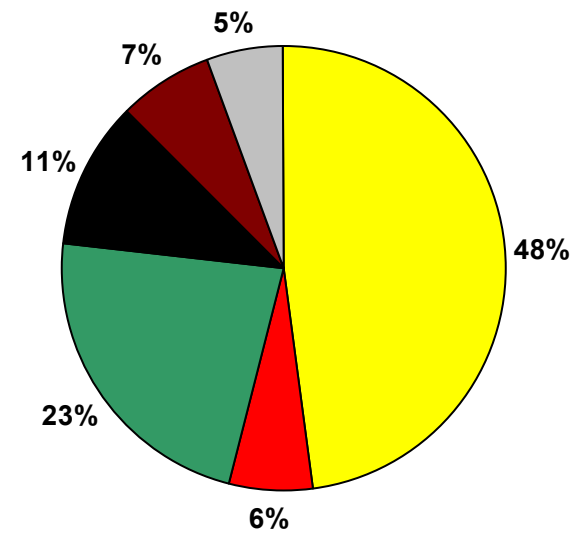
MODEL RESULTS

**Mazatzal Wilderness Area, AZ
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 28 Mm-1 (21 to 57 Mm-1)

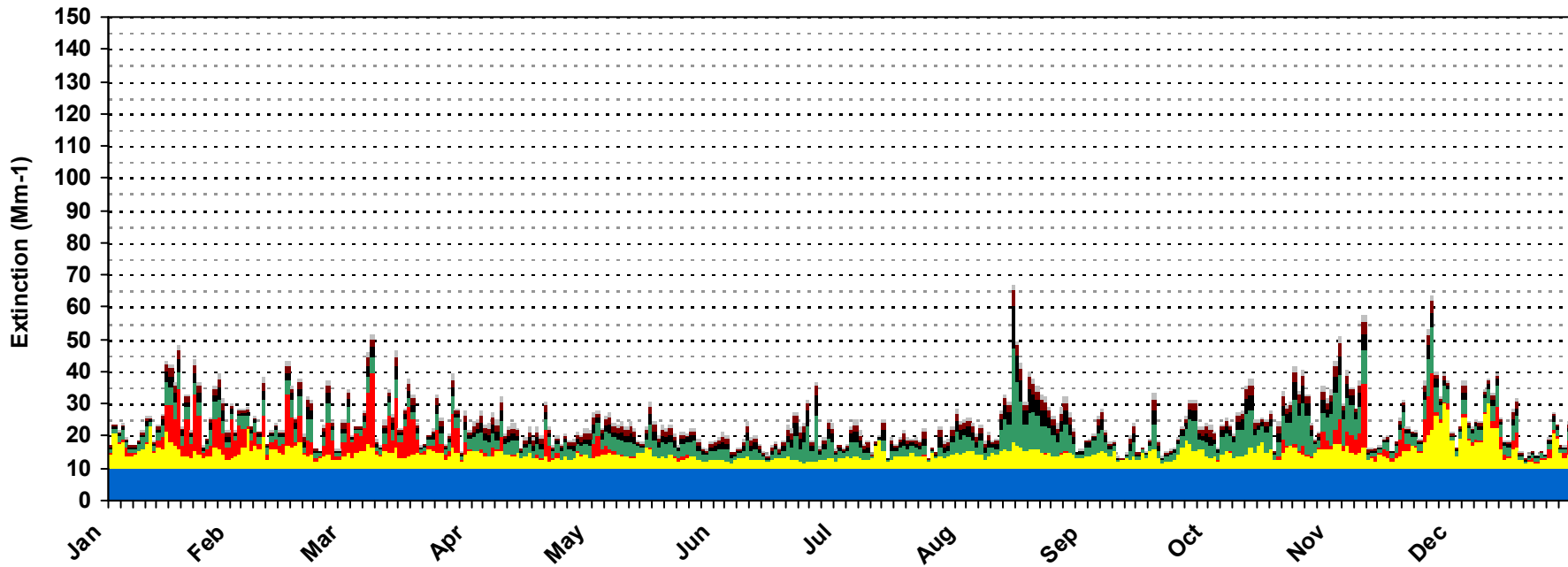


20% Best Visibility Days
Aerosol Extinction* = 6 Mm-1 (3 to 8 Mm-1)



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

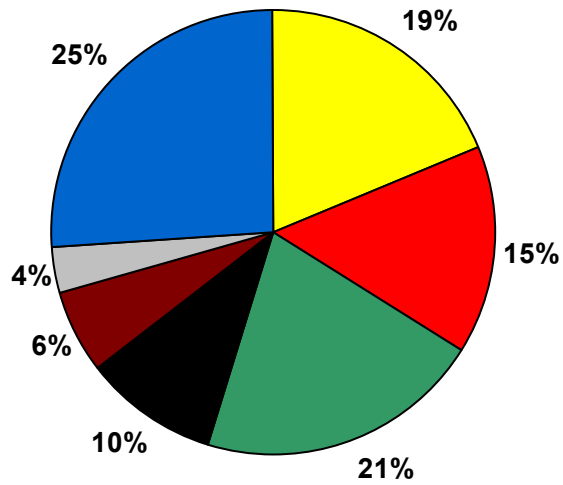
*Excludes Rayleigh Extinction



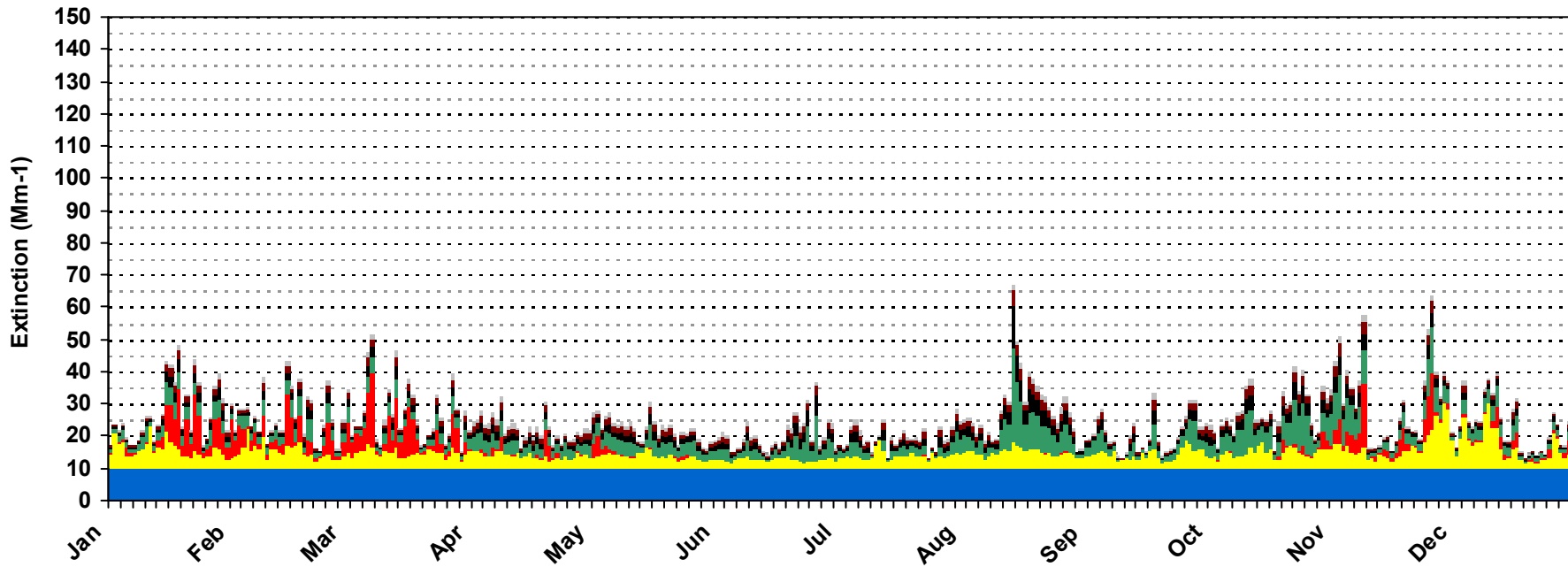
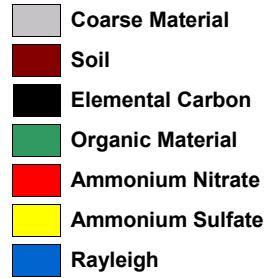
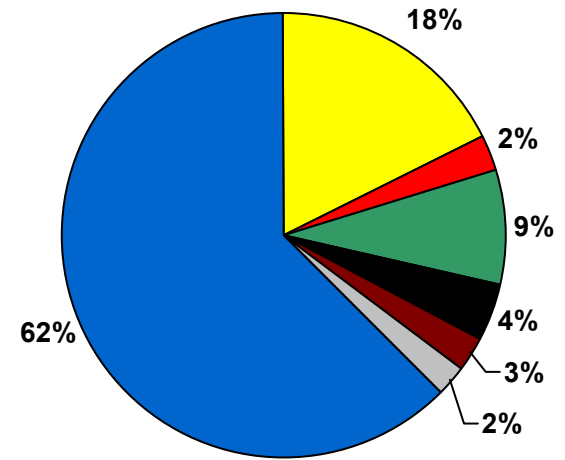
MODEL RESULTS

Mazatzal Wilderness Area, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 38 Mm-1 (31 to 67 Mm-1)



20% Best Visibility Days
Total Extinction = 16 Mm-1 (13 to 18 Mm-1)



MODEL RESULTS

Mazatzal Wilderness Area, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	38.4 (13.4 dv)	30.9 (11.3 dv)	67.0 (19.0 dv)
Aerosol Extinction*:	28.4	20.9	57.0
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	7.2	19%	25%
Ammonium Nitrate:	5.8	15%	21%
Organic Material:	7.9	21%	28%
Elemental Carbon:	3.7	10%	13%
Soil:	2.3	6%	8%
Coarse Material:	1.3	4%	5%
Rayleigh:	10.0	26%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	16.0 (4.7 dv)	13.0 (2.6 dv)	18.2 (6.0 dv)
Aerosol Extinction*:	6.0	3.0	8.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.9	18%	48%
Ammonium Nitrate:	0.4	2%	6%
Organic Material:	1.4	9%	23%
Elemental Carbon:	0.6	4%	11%
Soil:	0.4	3%	7%
Coarse Material:	0.3	2%	5%
Rayleigh:	10.0	63%	N/A

*Excludes Rayleigh Extinction