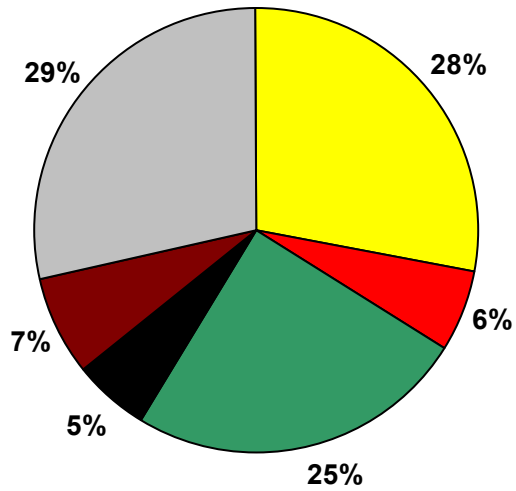


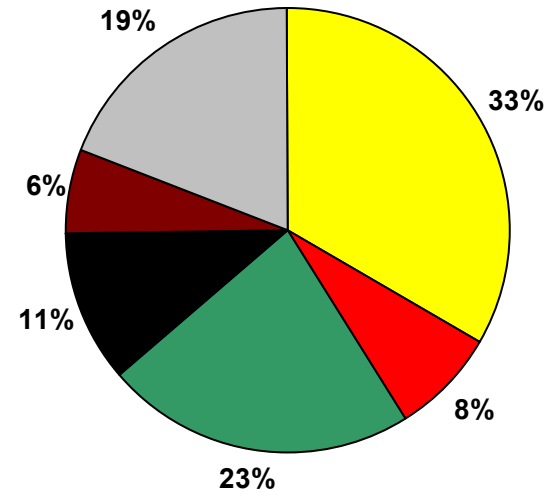
MONITORING DATA

**Chiricahua Wilderness Area, AZ
2002 Reconstructed Extinction
CHIR1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 33 Mm-1 (26 to 50 Mm-1)

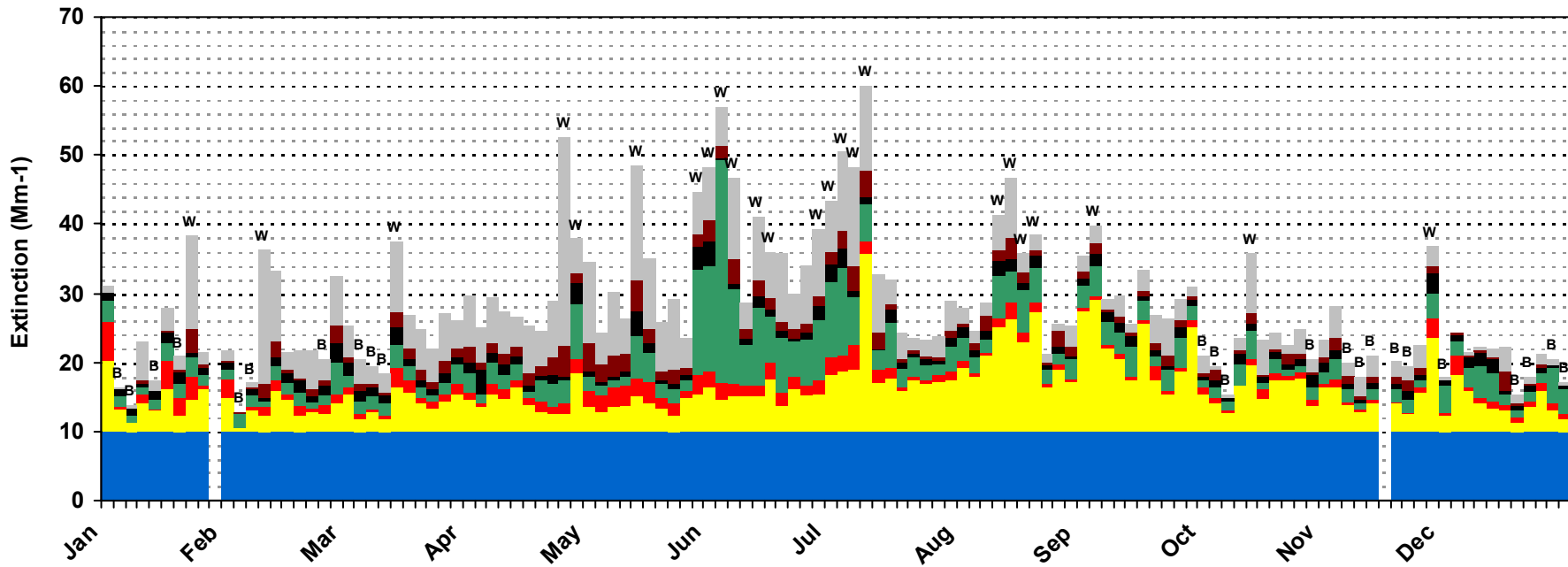


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (3 to 11 Mm-1)



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

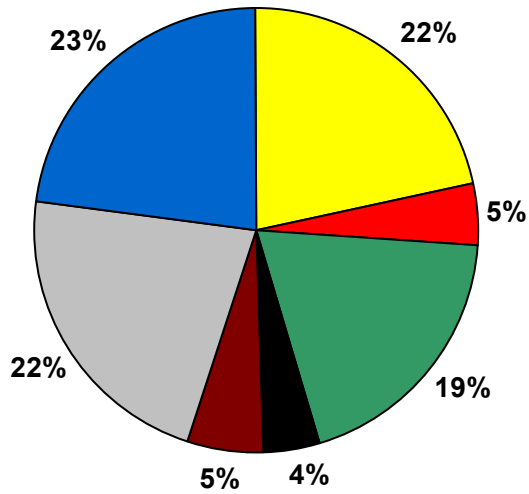
*Excludes Rayleigh Extinction



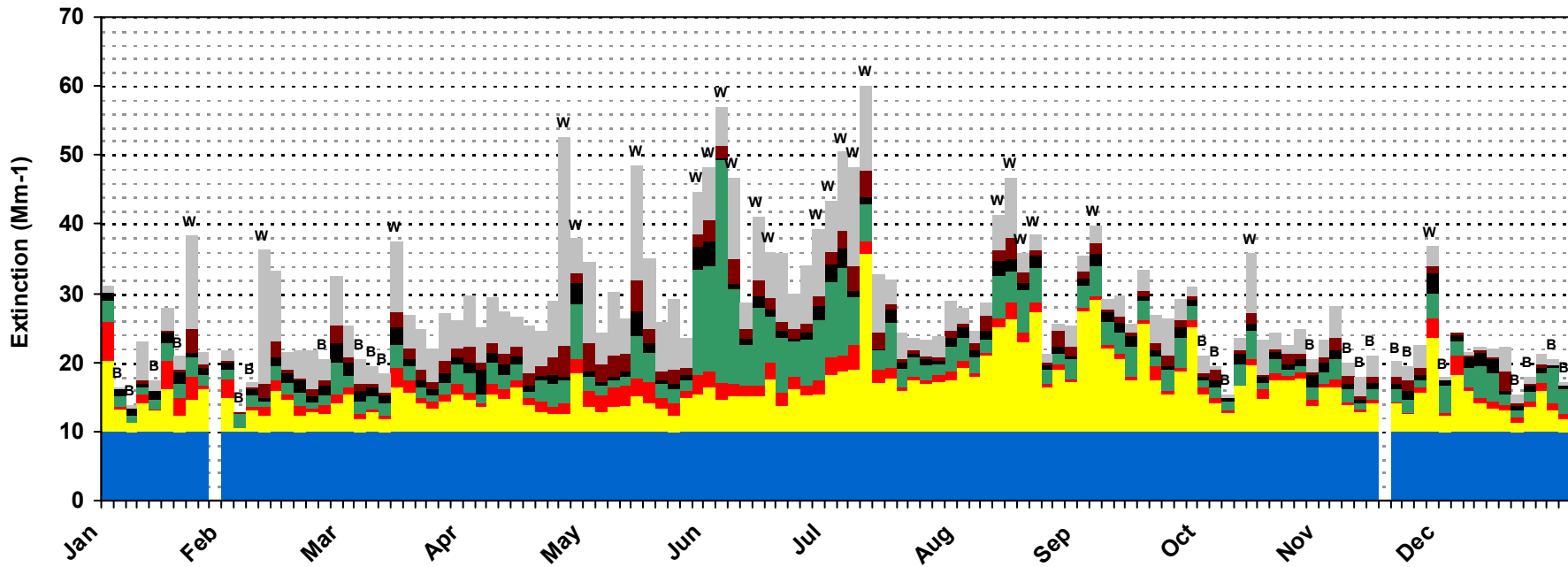
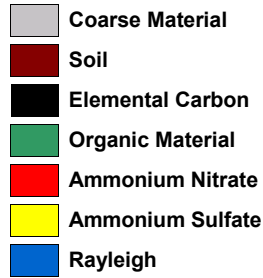
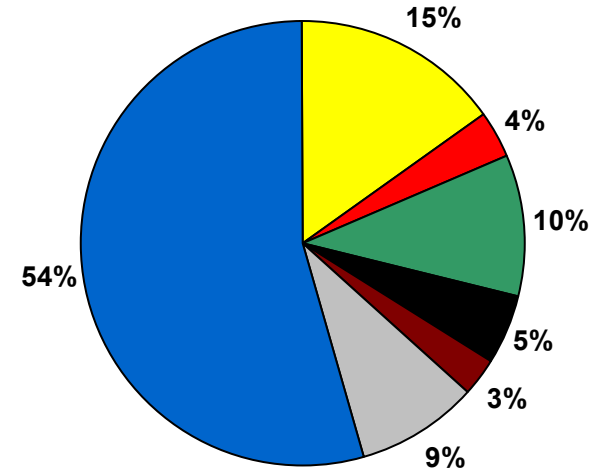
MONITORING DATA

**Chiricahua Wilderness Area, AZ
2002 Reconstructed Extinction
CHIR1 Monitoring Data (every third day)**

20% Worst Visibility Days
Total Extinction = 43 Mm-1 (36 to 60 Mm-1)



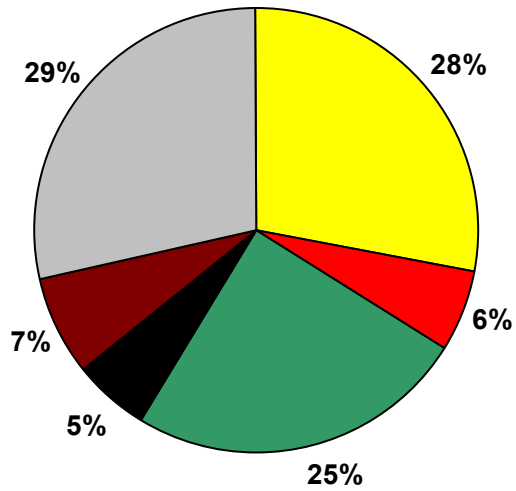
20% Best Visibility Days
Total Extinction = 18 Mm-1 (13 to 21 Mm-1)



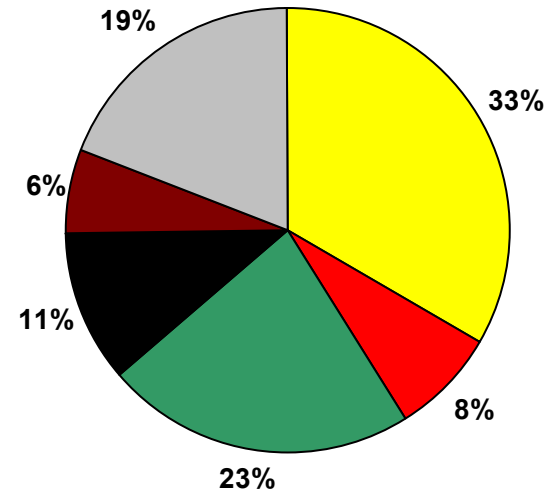
MONITORING DATA

**Chiricahua Wilderness Area, AZ
2002 Reconstructed Extinction
CHIR1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 33 Mm-1 (26 to 50 Mm-1)

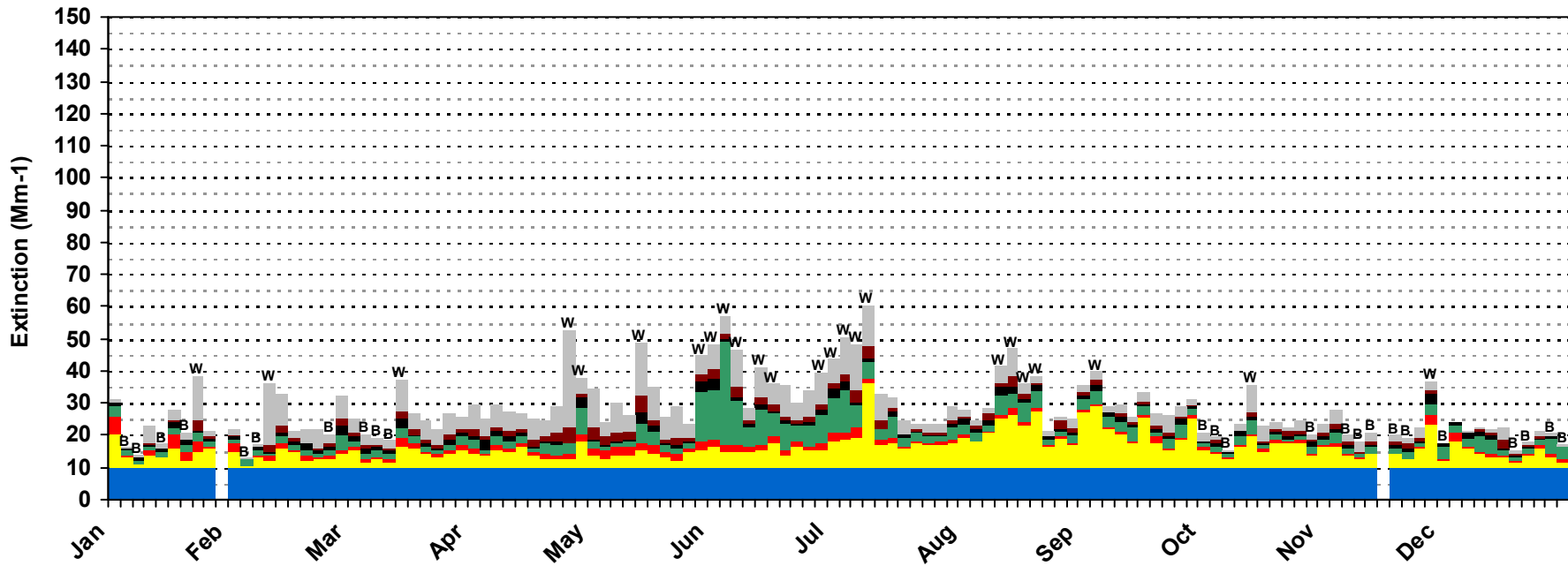


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (3 to 11 Mm-1)



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

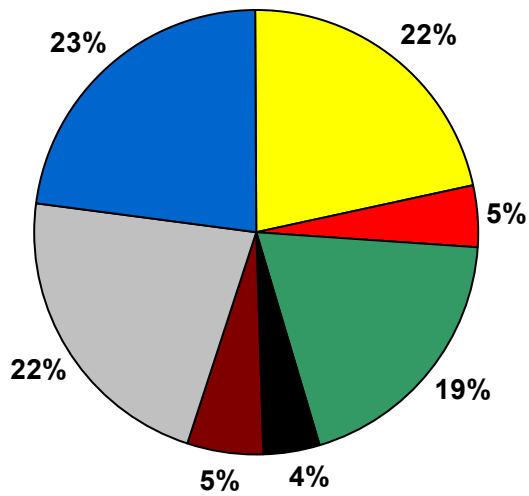
*Excludes Rayleigh Extinction



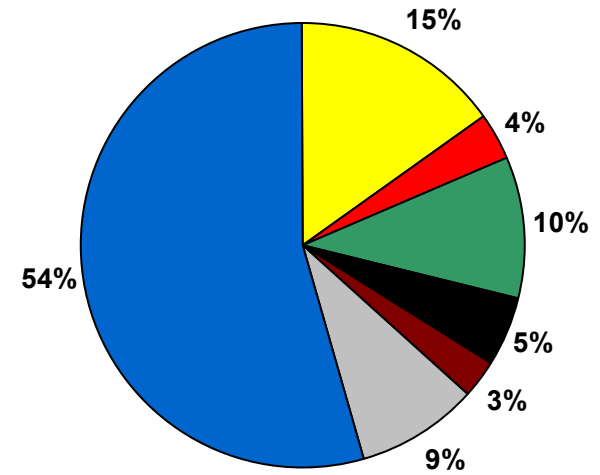
MONITORING DATA

**Chiricahua Wilderness Area, AZ
2002 Reconstructed Extinction
CHIR1 Monitoring Data (every third day)**

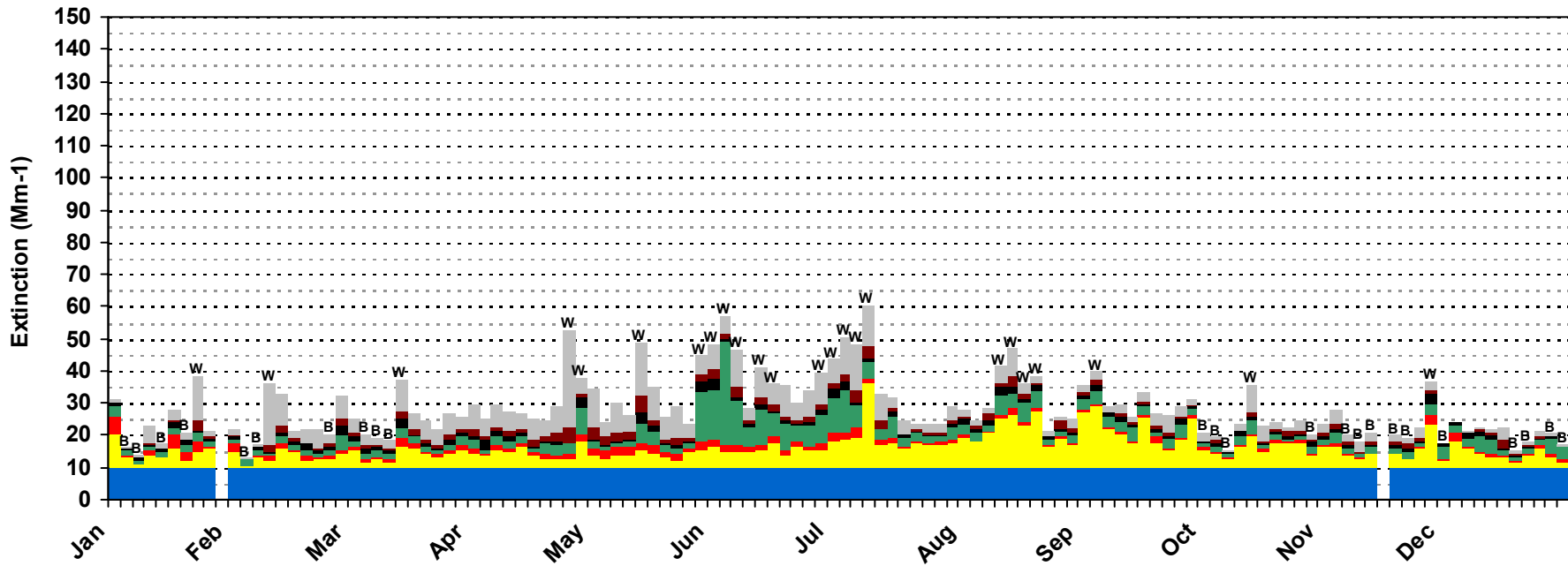
20% Worst Visibility Days
Total Extinction = 43 Mm-1 (36 to 60 Mm-1)



20% Best Visibility Days
Total Extinction = 18 Mm-1 (13 to 21 Mm-1)



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



MONITORING DATA

Chiricahua Wilderness Area, AZ 2002 Reconstructed Extinction Values CHIR1 Monitoring Data (every third day)

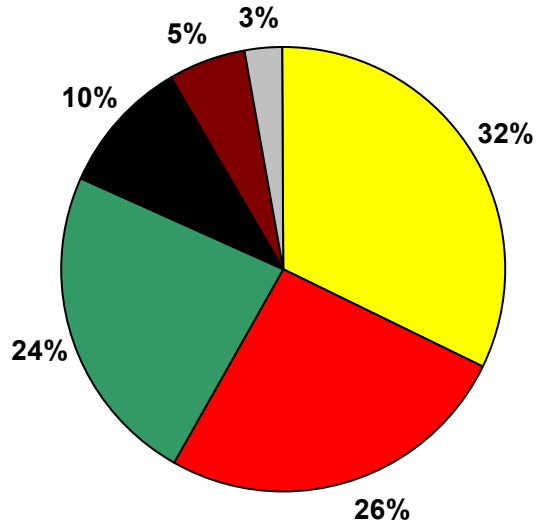
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	43.4 (14.7 dv)	35.7 (12.7 dv)	60.1 (17.9 dv)
Aerosol Extinction*:	33.4	25.7	50.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	9.4	22%	28%
Ammonium Nitrate:	2.0	5%	6%
Organic Material:	8.2	19%	25%
Elemental Carbon:	1.8	4%	5%
Soil:	2.4	5%	7%
Coarse Material:	9.6	22%	29%
Rayleigh:	10.0	23%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	18.4 (6.1 dv)	12.9 (2.5 dv)	21.1 (7.4 dv)
Aerosol Extinction*:	8.4	2.9	11.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.8	15%	33%
Ammonium Nitrate:	0.6	4%	8%
Organic Material:	1.9	10%	23%
Elemental Carbon:	0.9	5%	11%
Soil:	0.5	3%	6%
Coarse Material:	1.6	9%	19%
Rayleigh:	10.0	54%	N/A

*Excludes Rayleigh Extinction

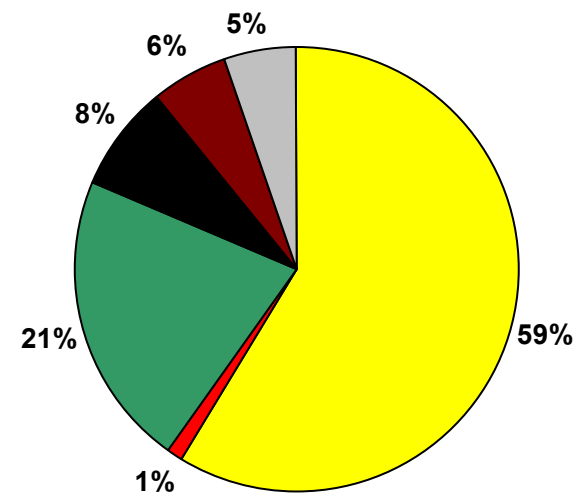
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 25 Mm-1 (17 to 59 Mm-1)

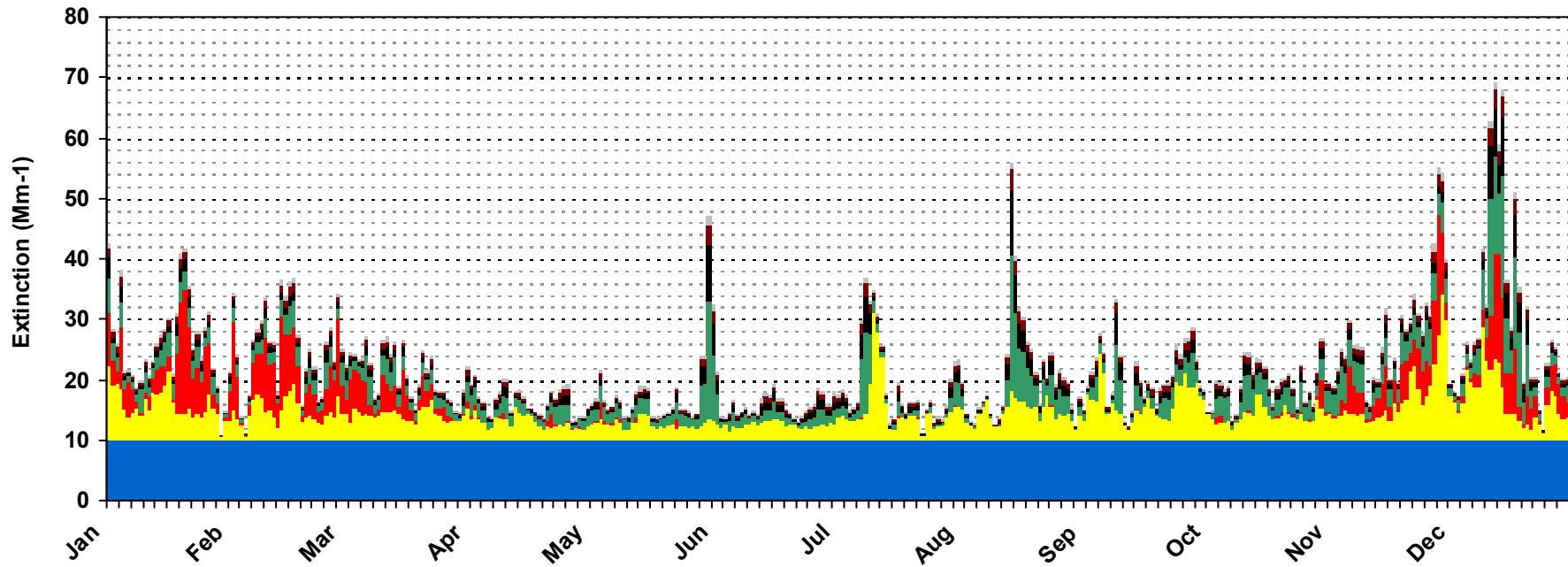


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (1 to 5 Mm-1)



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

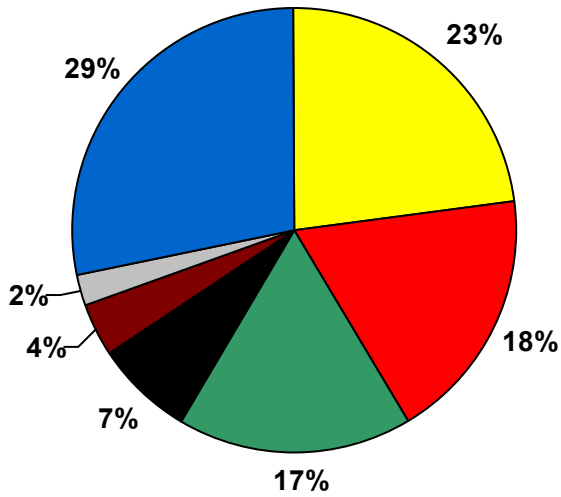
*Excludes Rayleigh Extinction



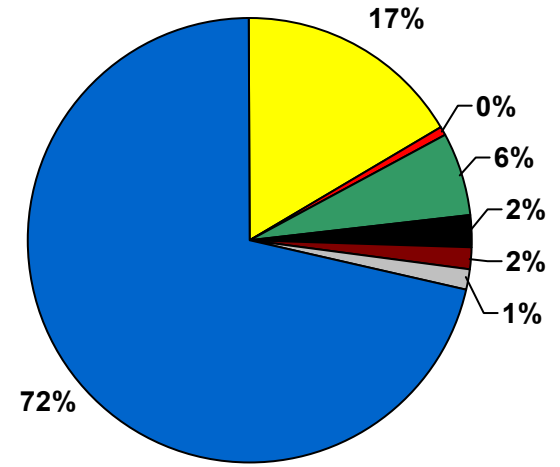
MODEL RESULTS

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

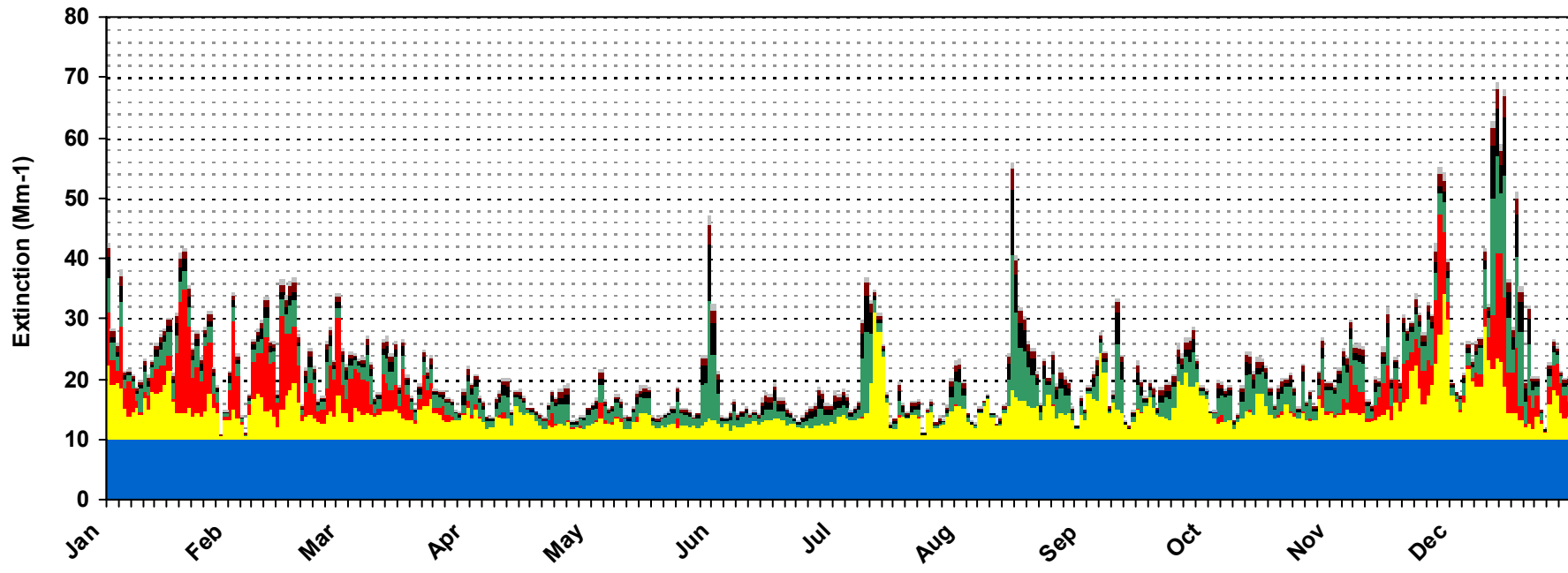
20% Worst Visibility Days
Total Extinction = 35 Mm-1 (27 to 69 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (11 to 15 Mm-1)



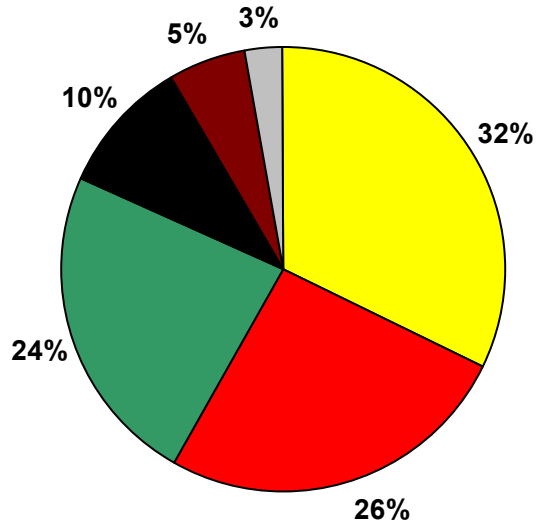
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



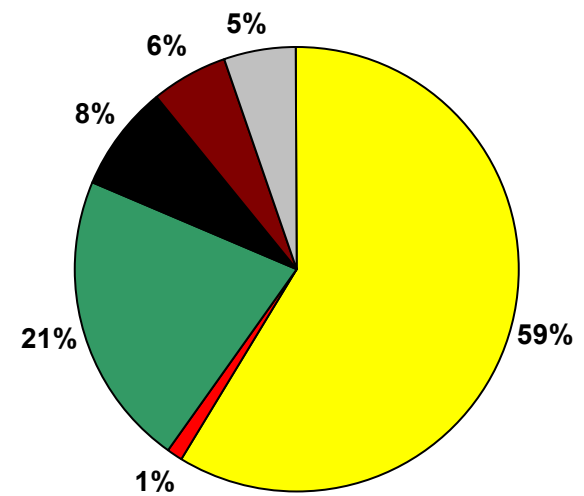
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 25 Mm-1 (17 to 59 Mm-1)

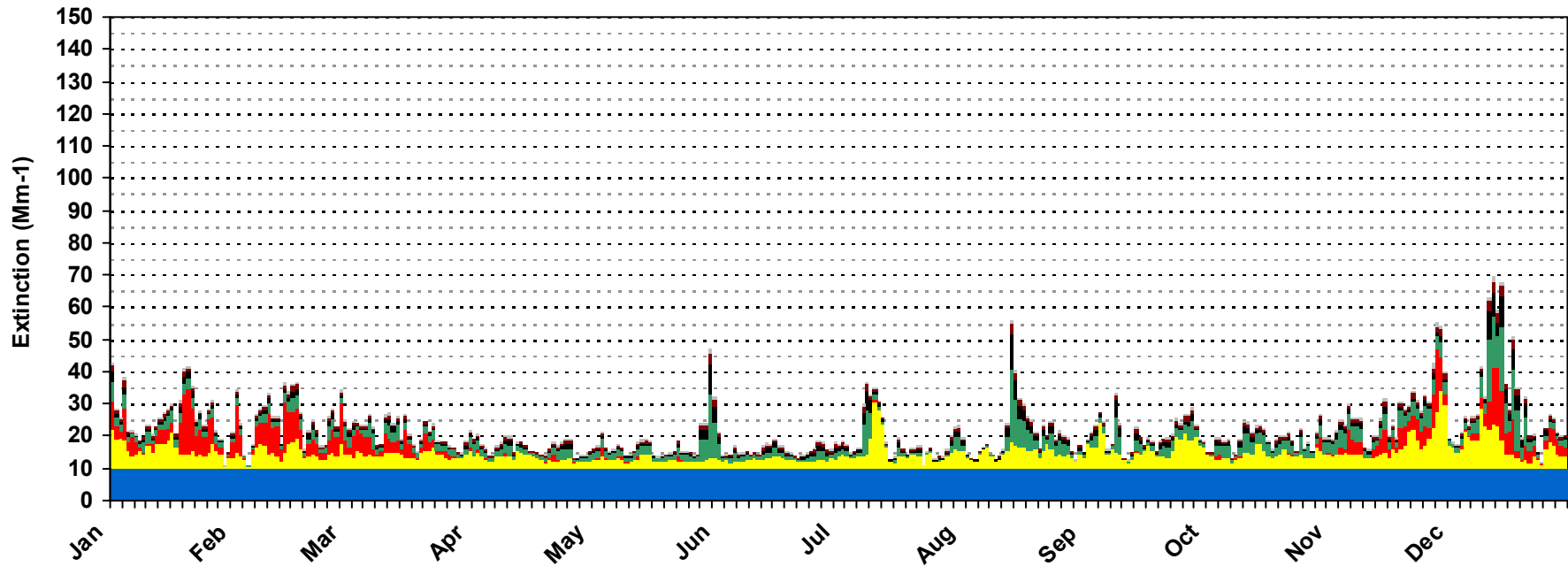


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (1 to 5 Mm-1)



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

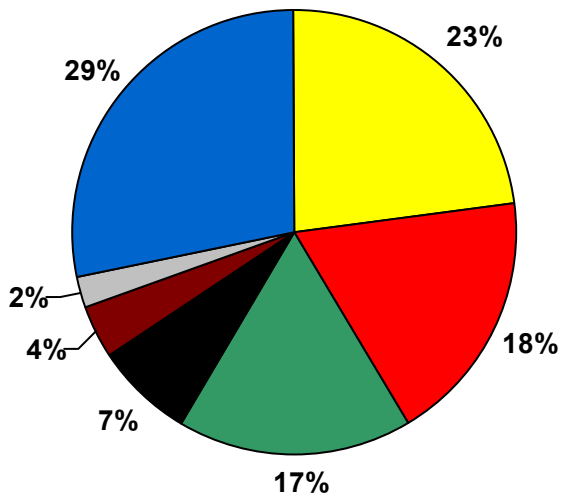
*Excludes Rayleigh Extinction



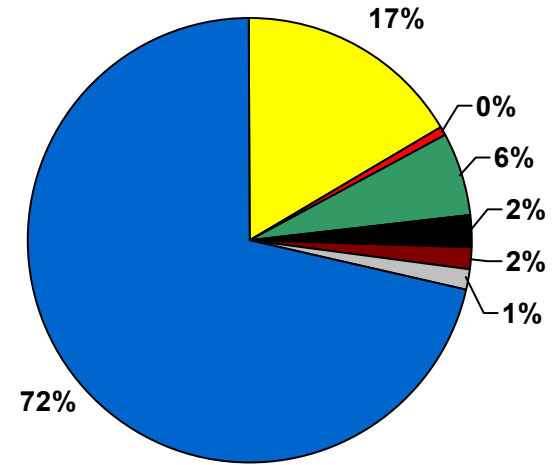
MODEL RESULTS

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

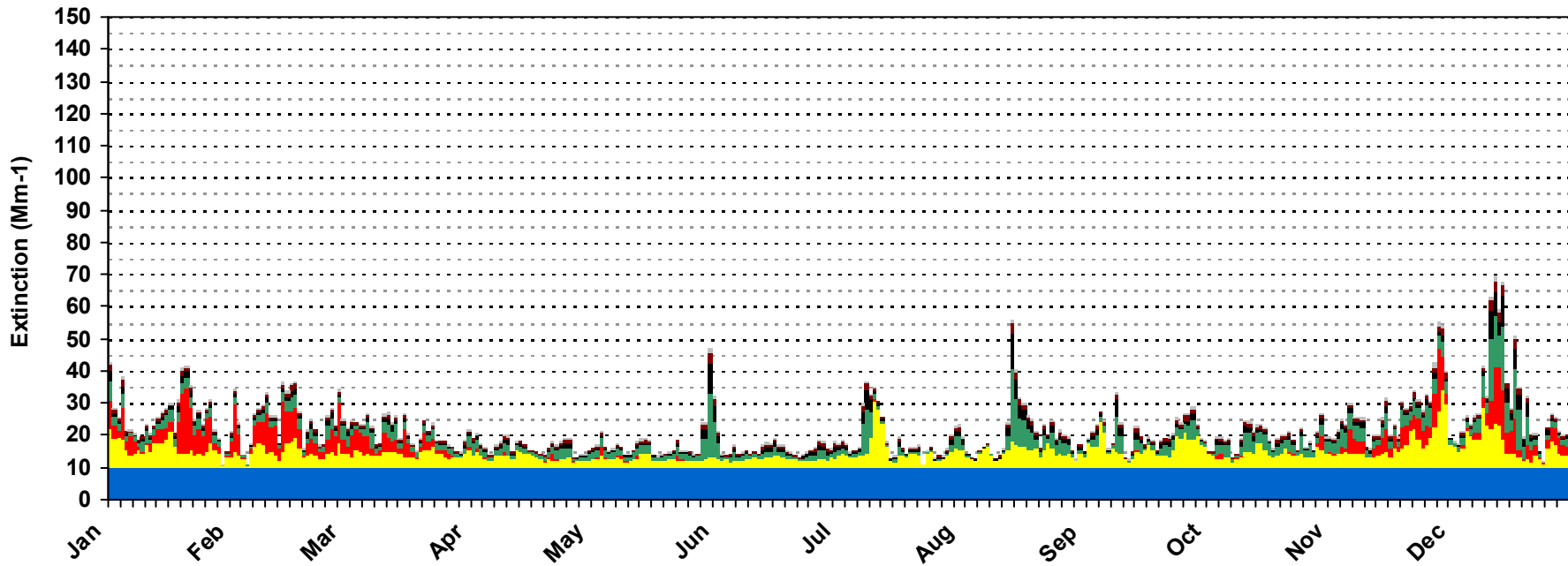
20% Worst Visibility Days
Total Extinction = 35 Mm-1 (27 to 69 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (11 to 15 Mm-1)



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



MODEL RESULTS

Chiricahua 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:	35.2 (12.6 dv)	26.6 (9.8 dv)	69.3 (19.4 dv)
Aerosol Extinction*:	25.2	16.6	59.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	8.1	23%	32%
Ammonium Nitrate:	6.5	18%	26%
Organic Material:	5.9	17%	24%
Elemental Carbon:	2.6	7%	10%
Soil:	1.4	4%	5%
Coarse Material:	0.7	2%	3%
Rayleigh:	10.0	28%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	14.0 (3.4 dv)	10.7 (0.7 dv)	15.3 (4.3 dv)
Aerosol Extinction*:	4.0	0.7	5.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.3	17%	59%
Ammonium Nitrate:	0.1	0%	1%
Organic Material:	0.9	6%	21%
Elemental Carbon:	0.3	2%	8%
Soil:	0.2	2%	6%
Coarse Material:	0.2	1%	5%
Rayleigh:	10.0	71%	N/A

*Excludes Rayleigh Extinction