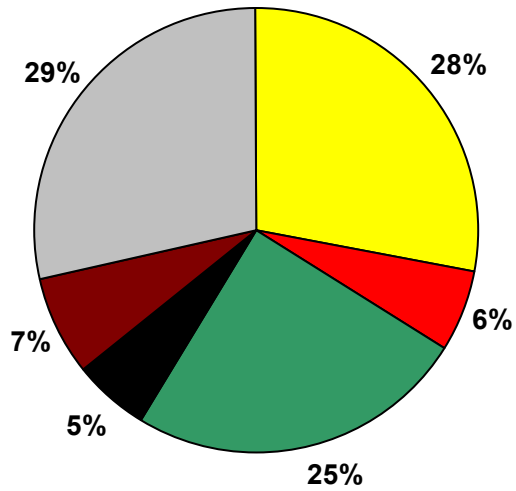


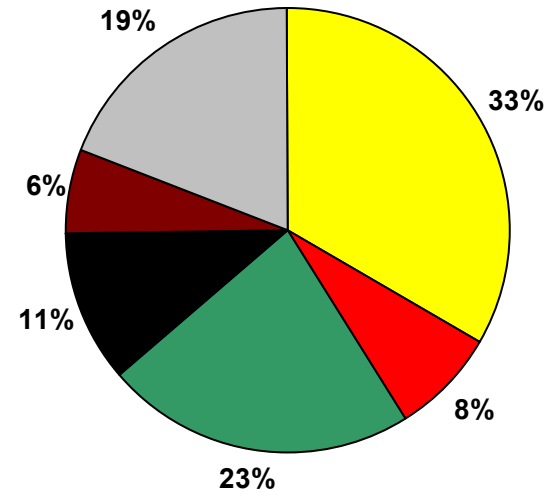
MONITORING DATA

**Galiuro 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)

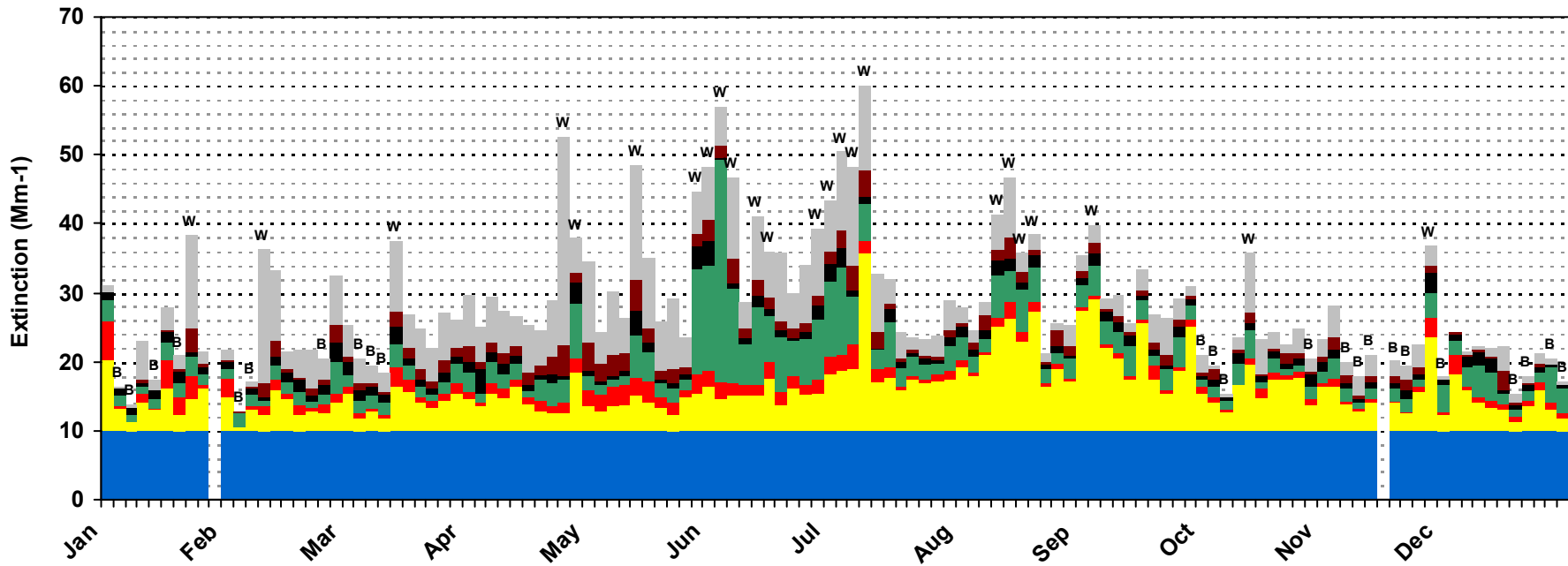


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (3 to 11 Mm-1)



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

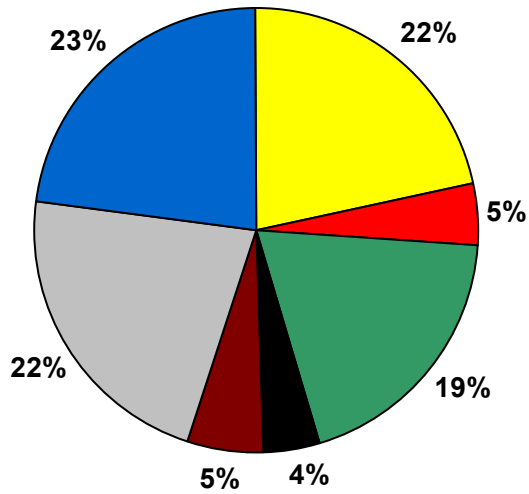
*Excludes Rayleigh Extinction



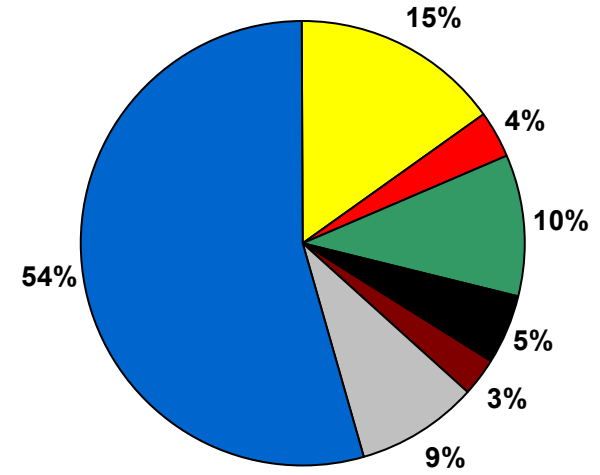
MONITORING DATA

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

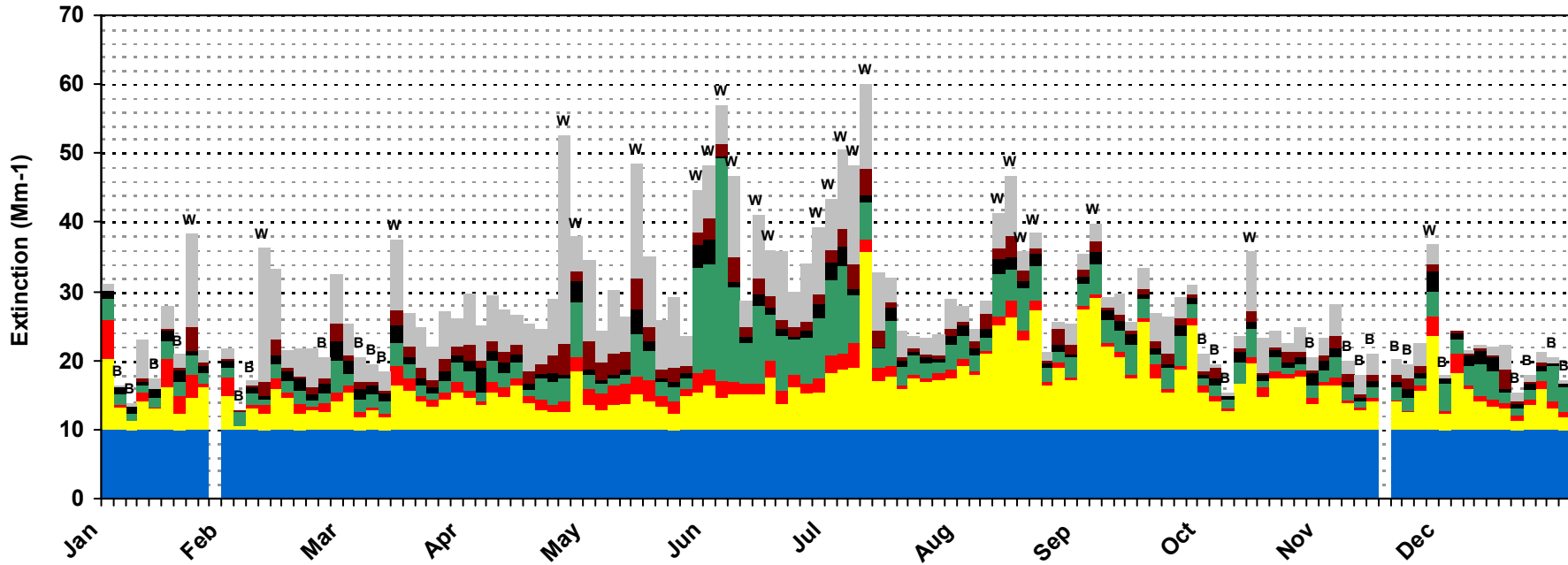
20% Worst Visibility Days
Total Extinction = 43 Mm-1 (36 to 60 Mm-1)



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



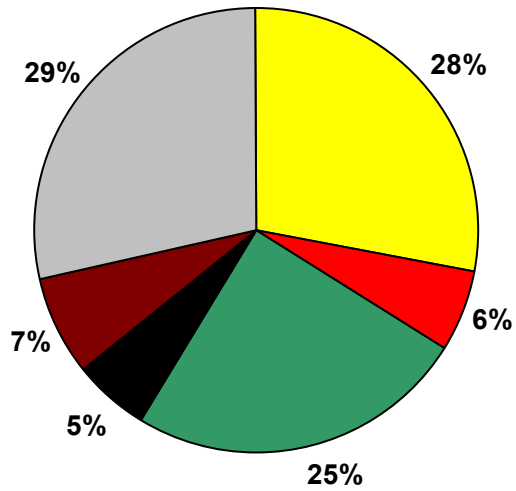
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



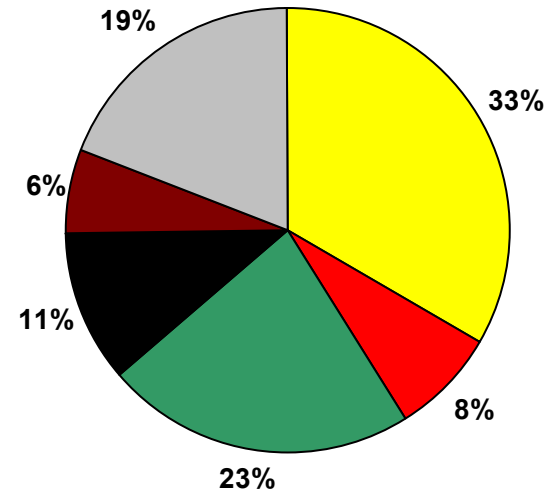
MONITORING DATA

**Galiuro 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)

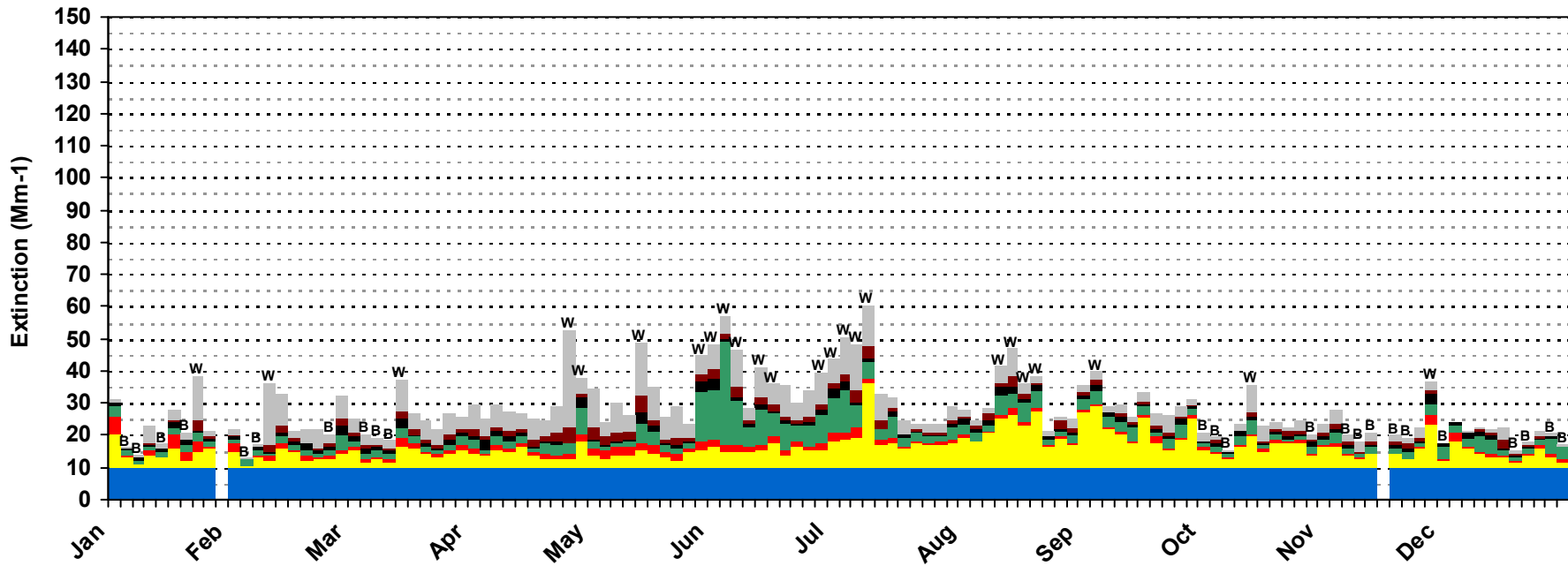


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (3 to 11 Mm-1)



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

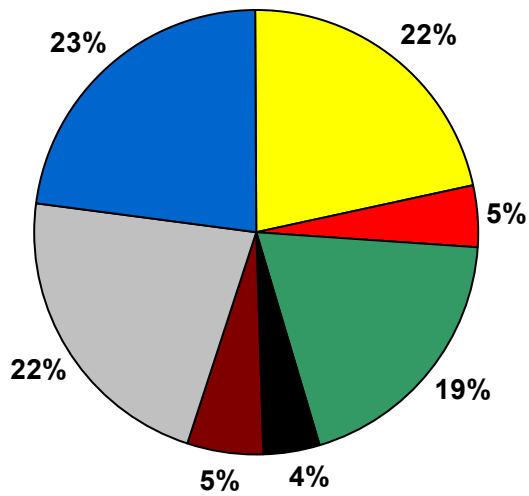
*Excludes Rayleigh Extinction



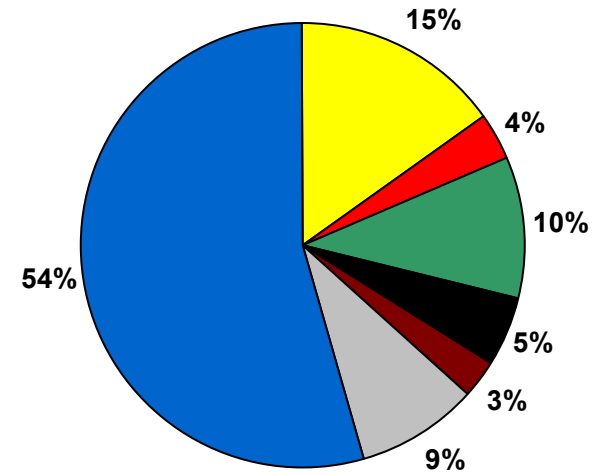
MONITORING DATA

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

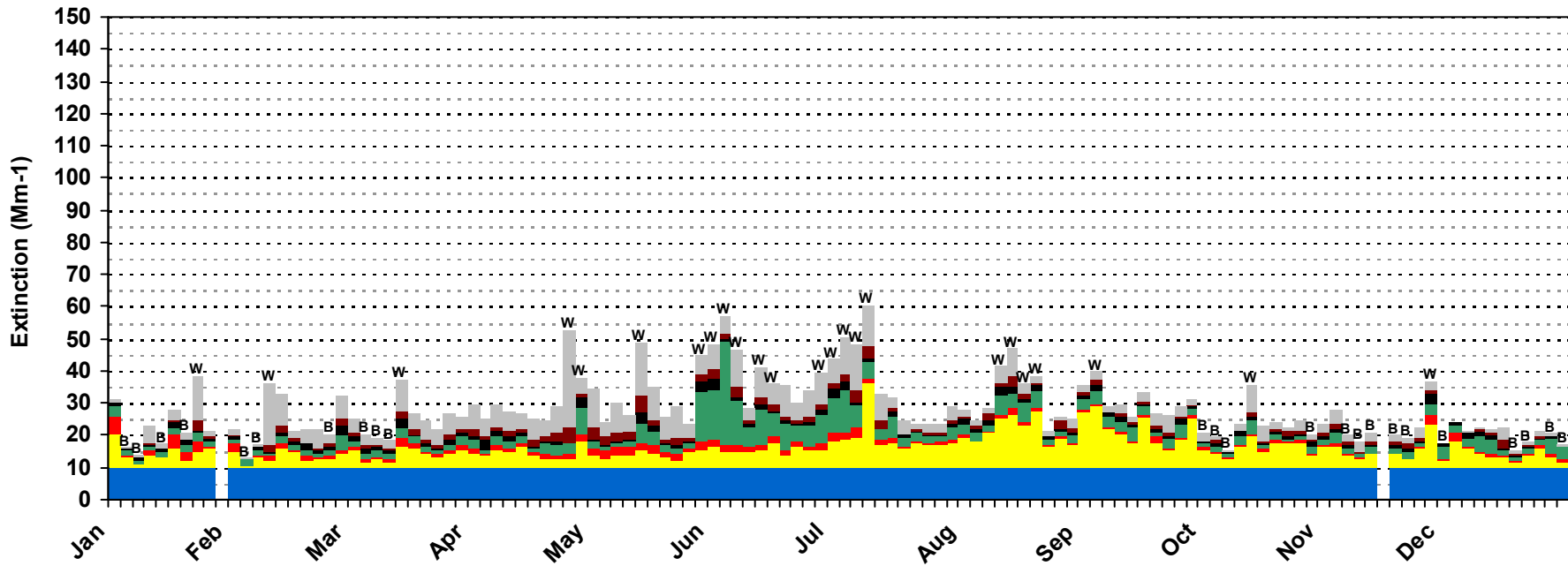
20% Worst Visibility Days
Total Extinction = 43 Mm-1 (36 to 60 Mm-1)



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

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

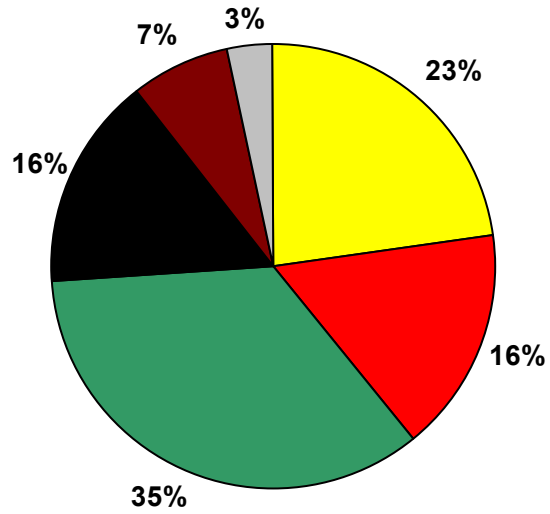
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	43.4 (14.7 dv)	35.7 (12.7 dv)	60.1 (17.9 dv)
Aerosol Extinction*:	33.4	25.7	50.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	9.4	22%	28%
Ammonium Nitrate:	2.0	5%	6%
Organic Material:	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

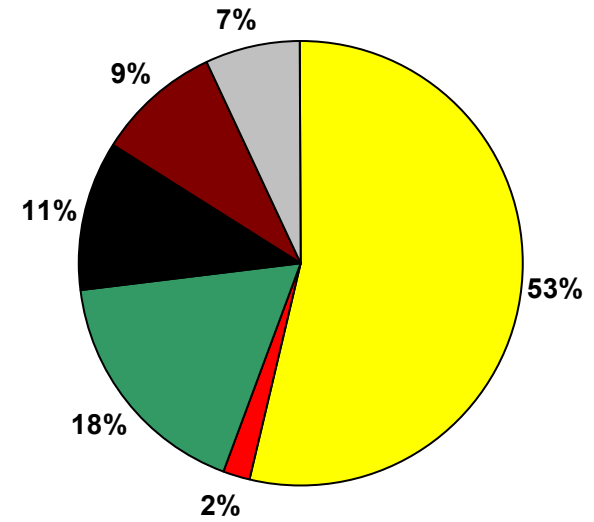
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 31 Mm⁻¹ (18 to 102 Mm⁻¹)

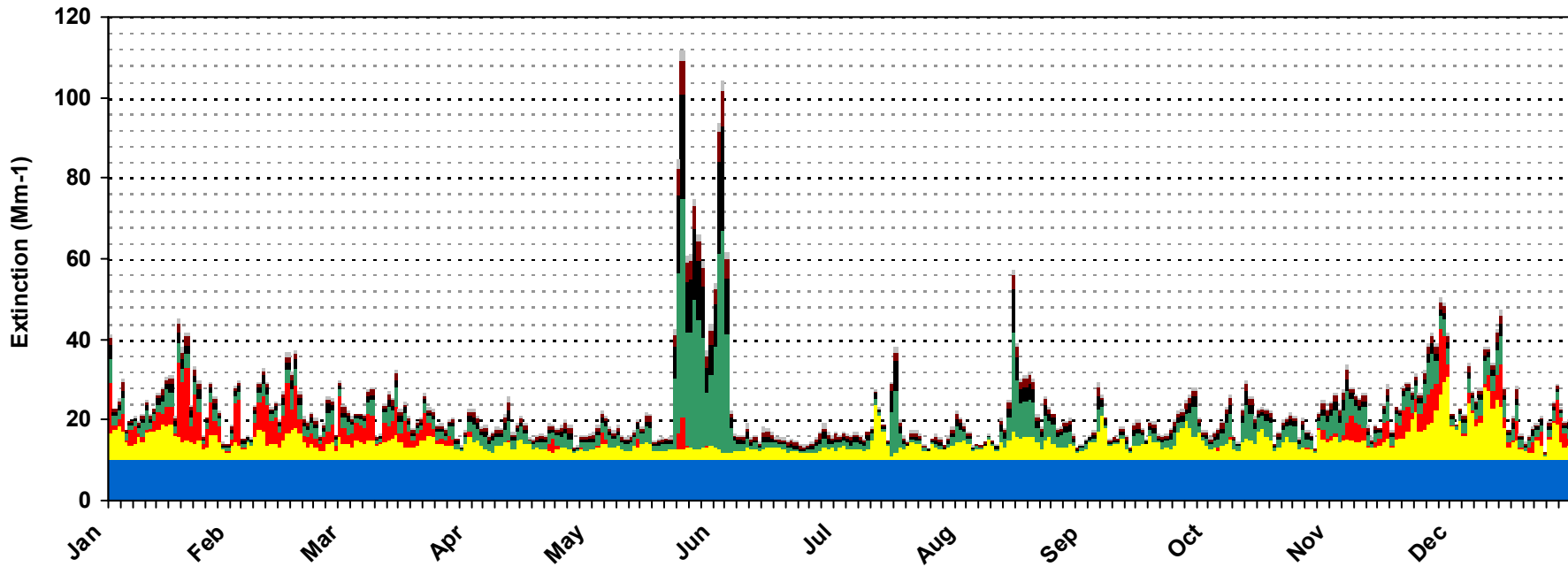


20% Best Visibility Days
Aerosol Extinction* = 5 Mm⁻¹ (2 to 6 Mm⁻¹)



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

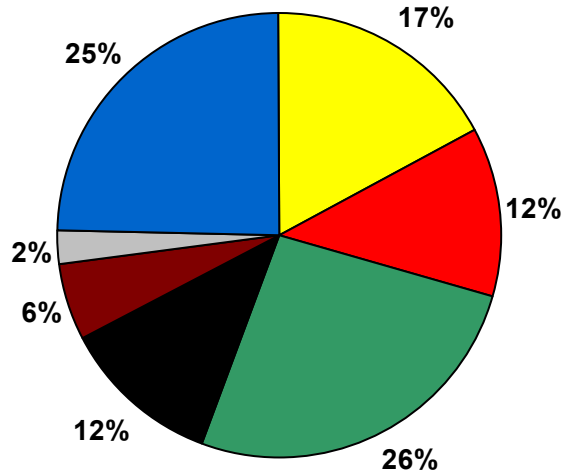
*Excludes Rayleigh Extinction



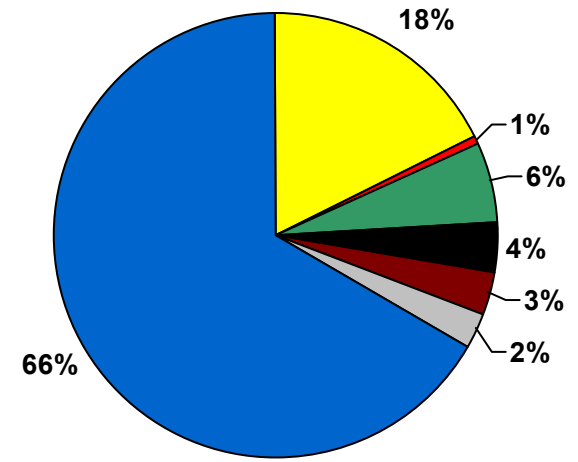
MODEL RESULTS

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

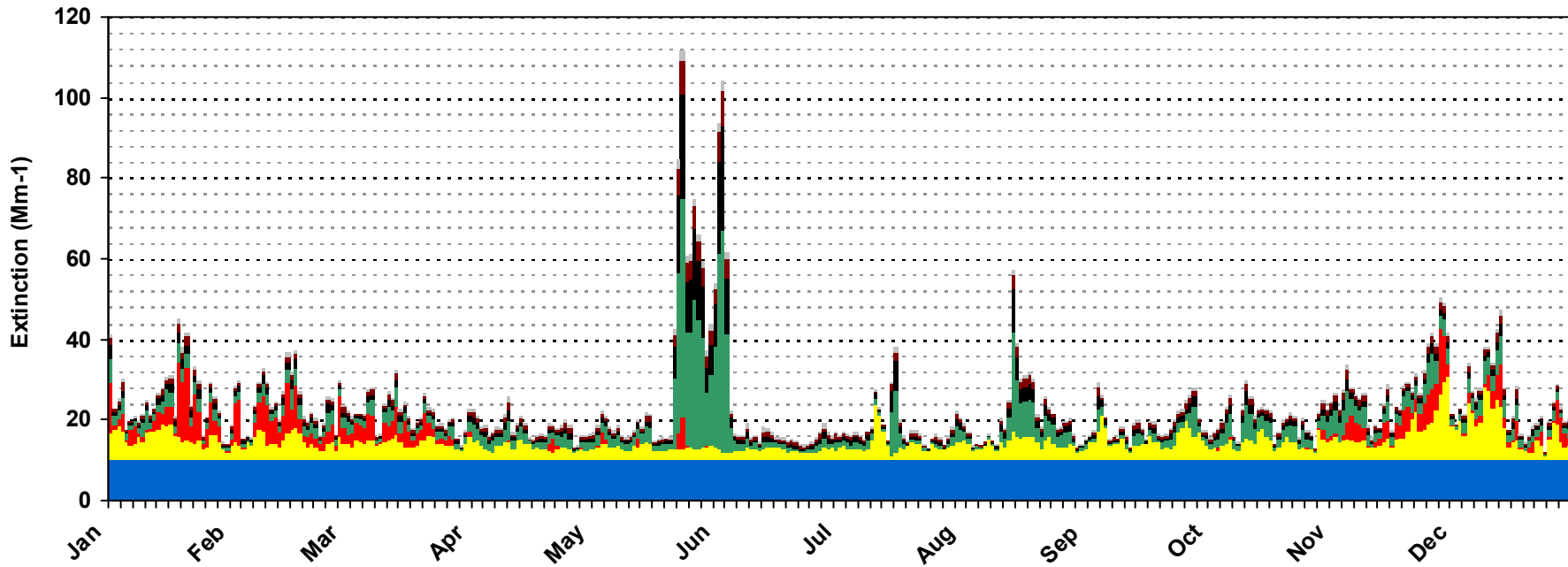
20% Worst Visibility Days
Total Extinction = 41 Mm-1 (28 to 112 Mm-1)



20% Best Visibility Days
Total Extinction = 15 Mm-1 (12 to 16 Mm-1)



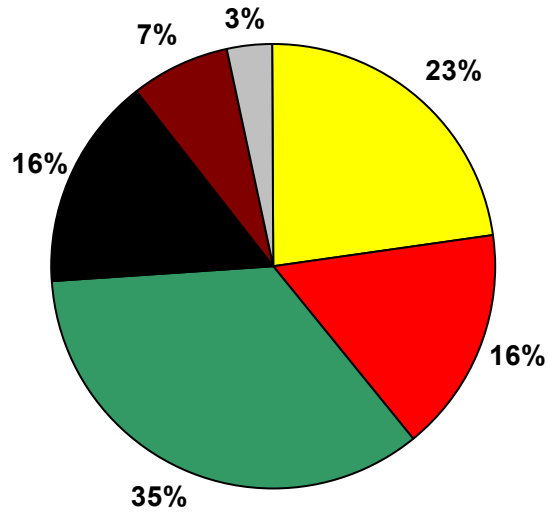
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



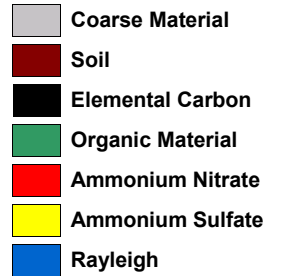
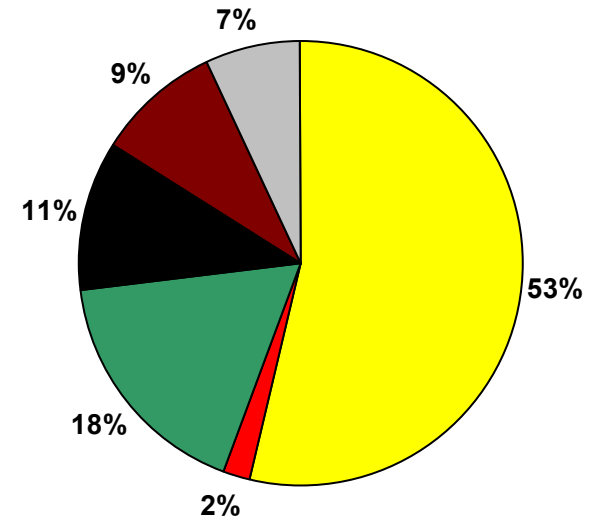
MODEL RESULTS

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

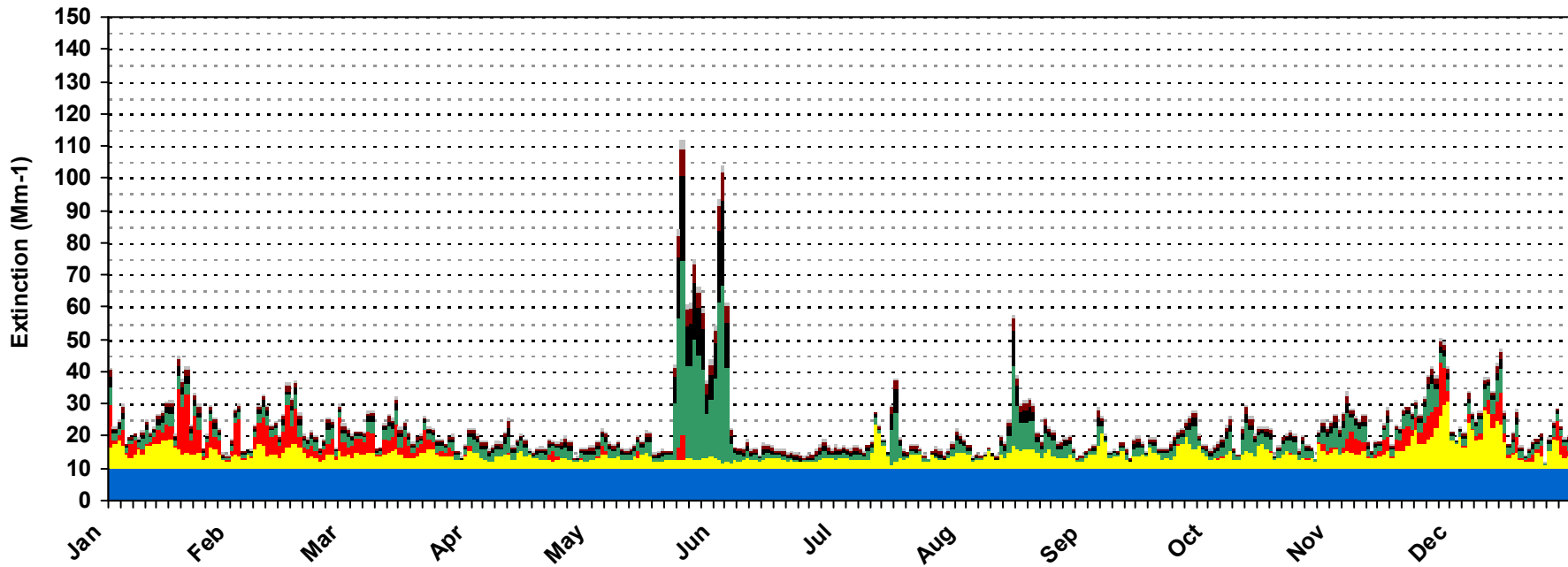
20% Worst Visibility Days
Aerosol Extinction* = 31 Mm⁻¹ (18 to 102 Mm⁻¹)



20% Best Visibility Days
Aerosol Extinction* = 5 Mm⁻¹ (2 to 6 Mm⁻¹)



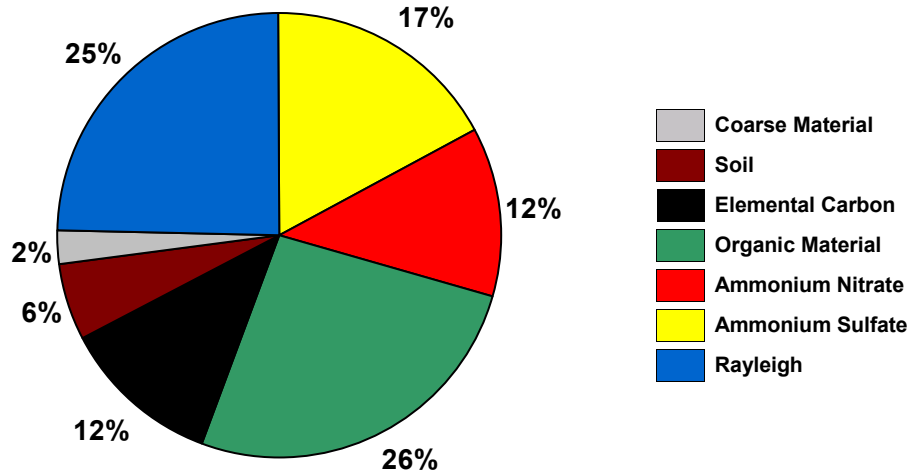
*Excludes Rayleigh Extinction



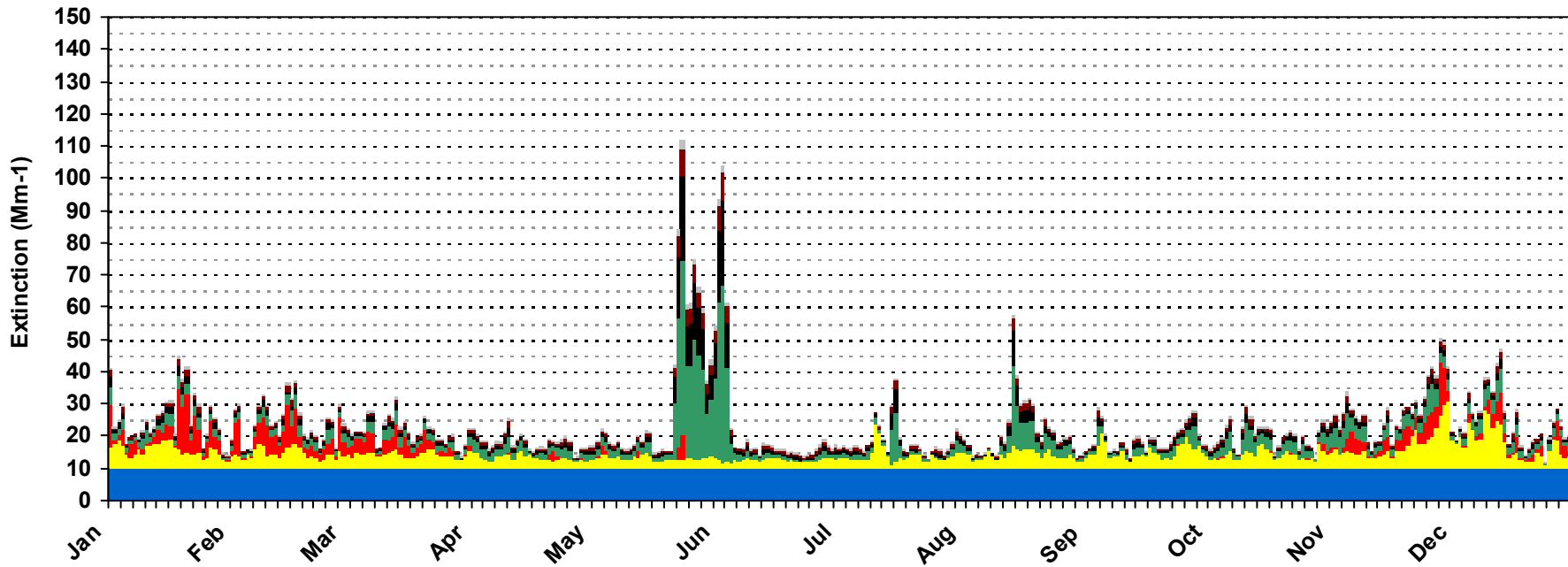
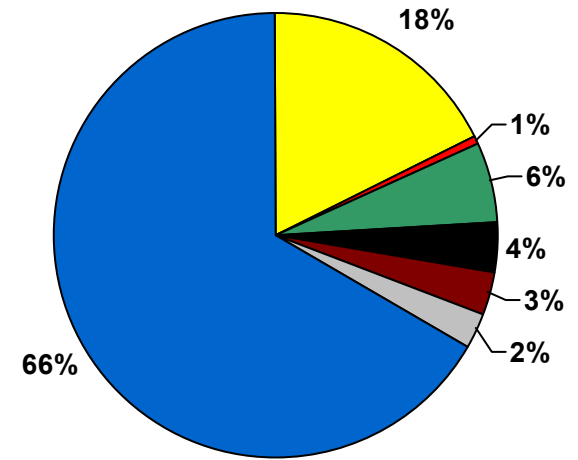
MODEL RESULTS

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

20% Worst Visibility Days
Total Extinction = 41 Mm-1 (28 to 112 Mm-1)



20% Best Visibility Days
Total Extinction = 15 Mm-1 (12 to 16 Mm-1)



MODEL RESULTS

Galiuro 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:	40.5 (14.0 dv)	27.6 (10.1 dv)	111.7 (24.1 dv)
Aerosol Extinction*:	30.5	17.6	101.7
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	7.0	17%	23%
Ammonium Nitrate:	5.0	12%	16%
Organic Material:	10.6	26%	35%
Elemental Carbon:	4.8	12%	16%
Soil:	2.2	6%	7%
Coarse Material:	1.0	2%	3%
Rayleigh:	10.0	25%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	15.0 (4.0 dv)	11.8 (1.7 dv)	16.2 (4.8 dv)
Aerosol Extinction*:	5.0	1.8	6.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.7	18%	54%
Ammonium Nitrate:	0.1	1%	2%
Organic Material:	0.9	6%	18%
Elemental Carbon:	0.5	4%	11%
Soil:	0.4	3%	9%
Coarse Material:	0.4	2%	7%
Rayleigh:	10.0	67%	N/A

*Excludes Rayleigh Extinction