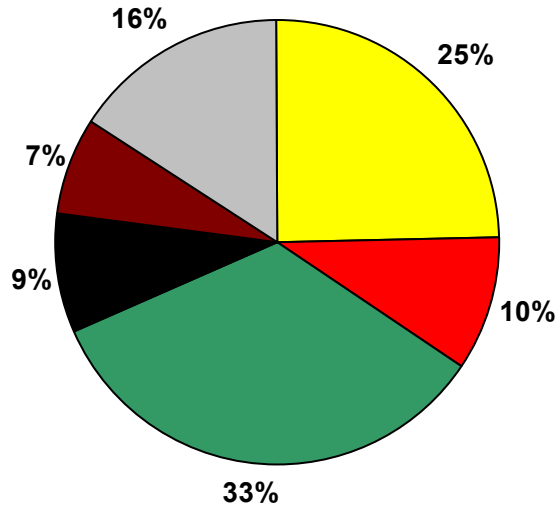


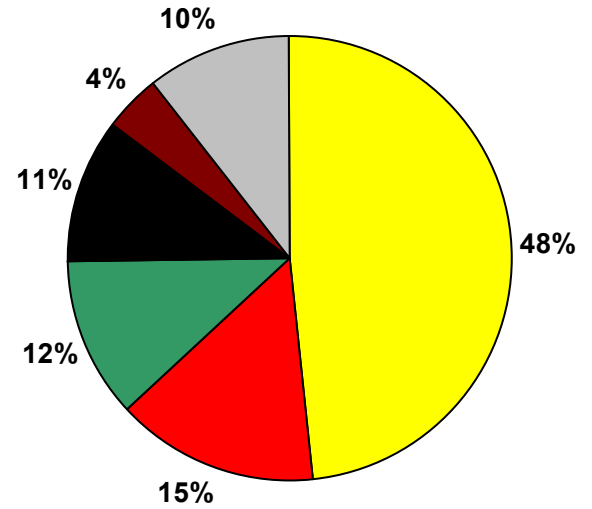
MONITORING DATA

**Hualapai Tribe, AZ
2002 Reconstructed Extinction
GRCA2 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 24 Mm-1 (16 to 45 Mm-1)

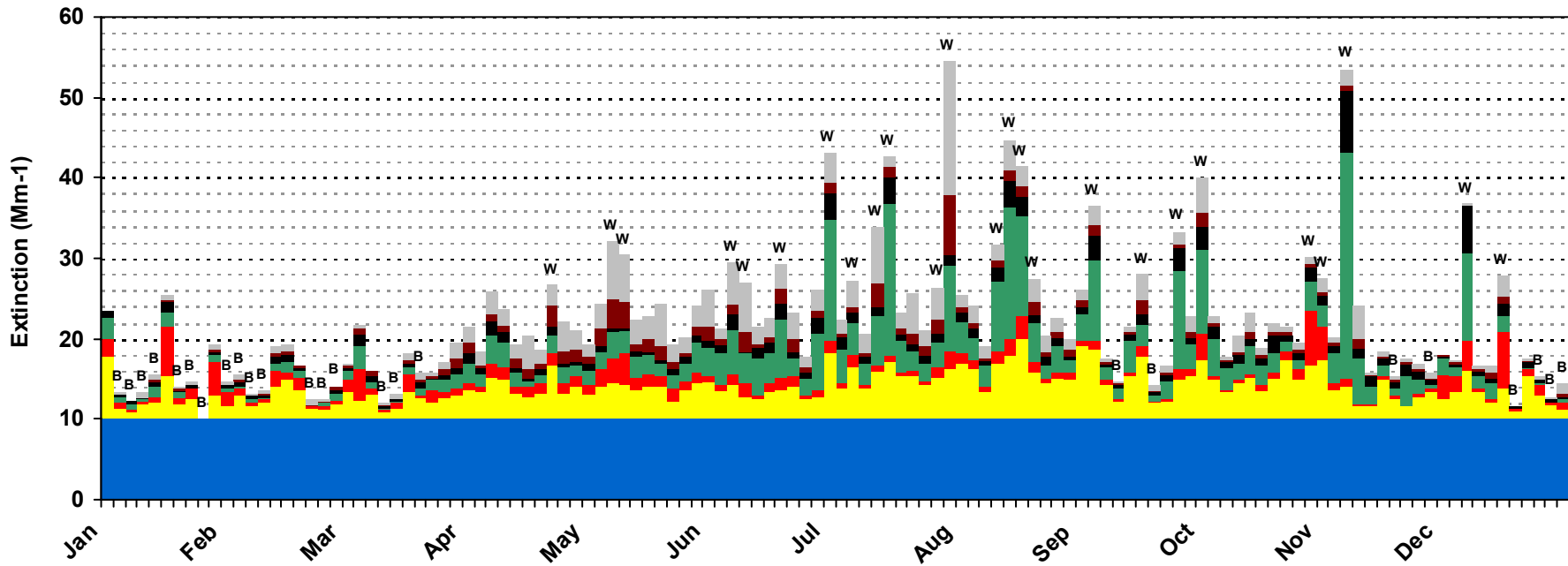


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (0 to 6 Mm-1)



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

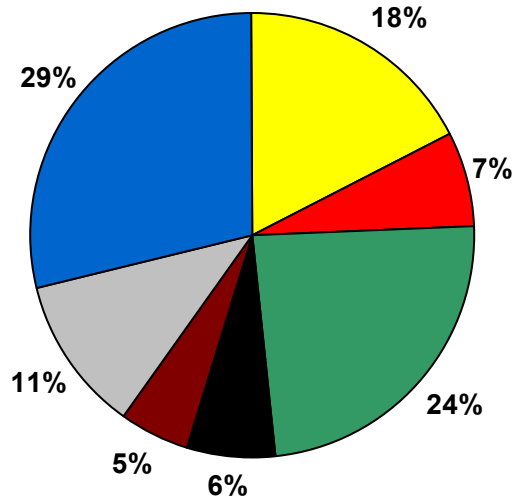
*Excludes Rayleigh Extinction



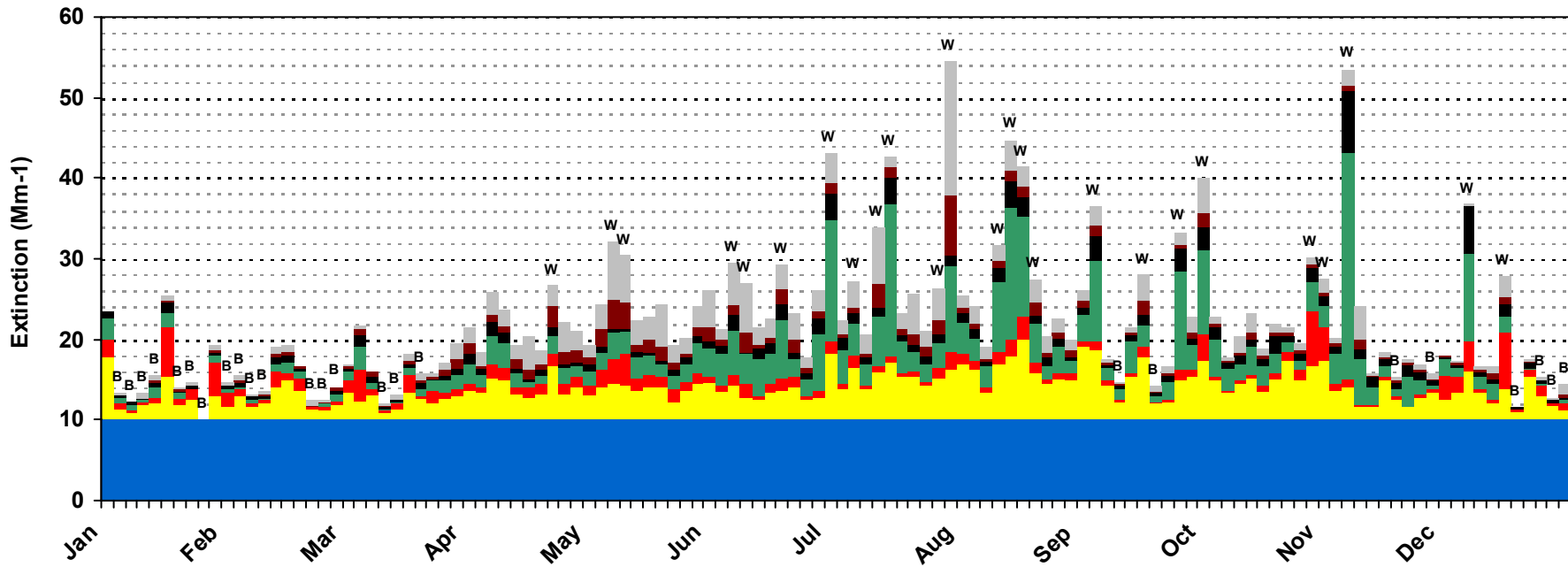
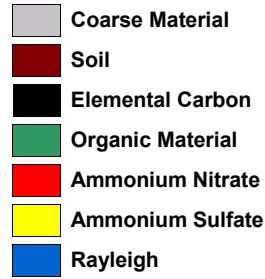
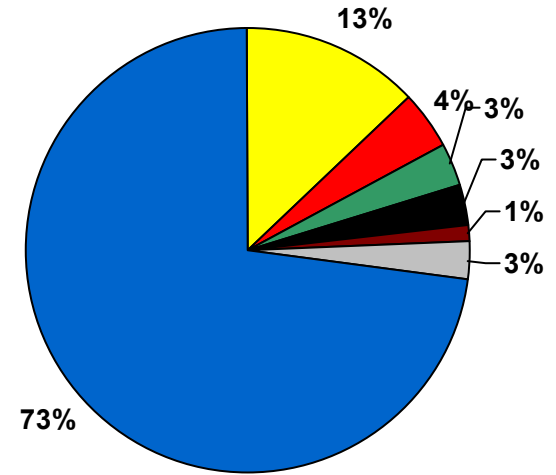
MONITORING DATA

Hualapai Tribe, AZ 2002 Reconstructed Extinction GRCA2 Monitoring Data (every third day)

20% Worst Visibility Days
Total Extinction = 34 Mm-1 (26 to 55 Mm-1)



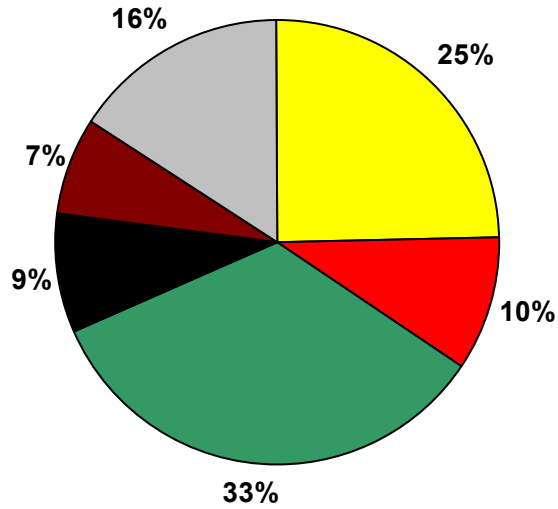
20% Best Visibility Days
Total Extinction = 14 Mm-1 (10 to 16 Mm-1)



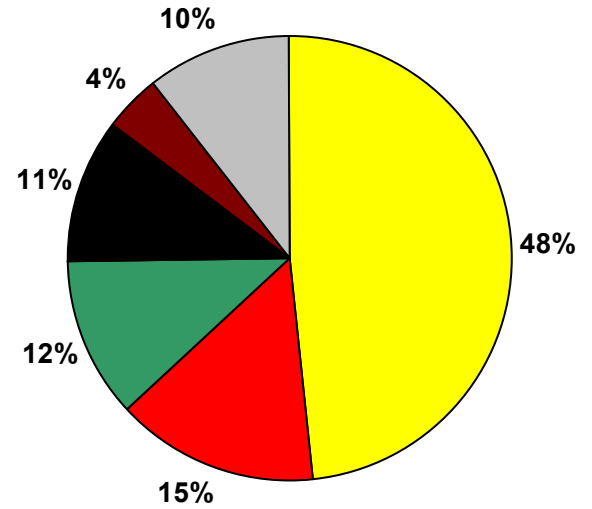
MONITORING DATA

Hualapai Tribe, AZ 2002 Reconstructed Extinction GRCA2 Monitoring Data (every third day)

20% Worst Visibility Days
Aerosol Extinction* = 24 Mm-1 (16 to 45 Mm-1)

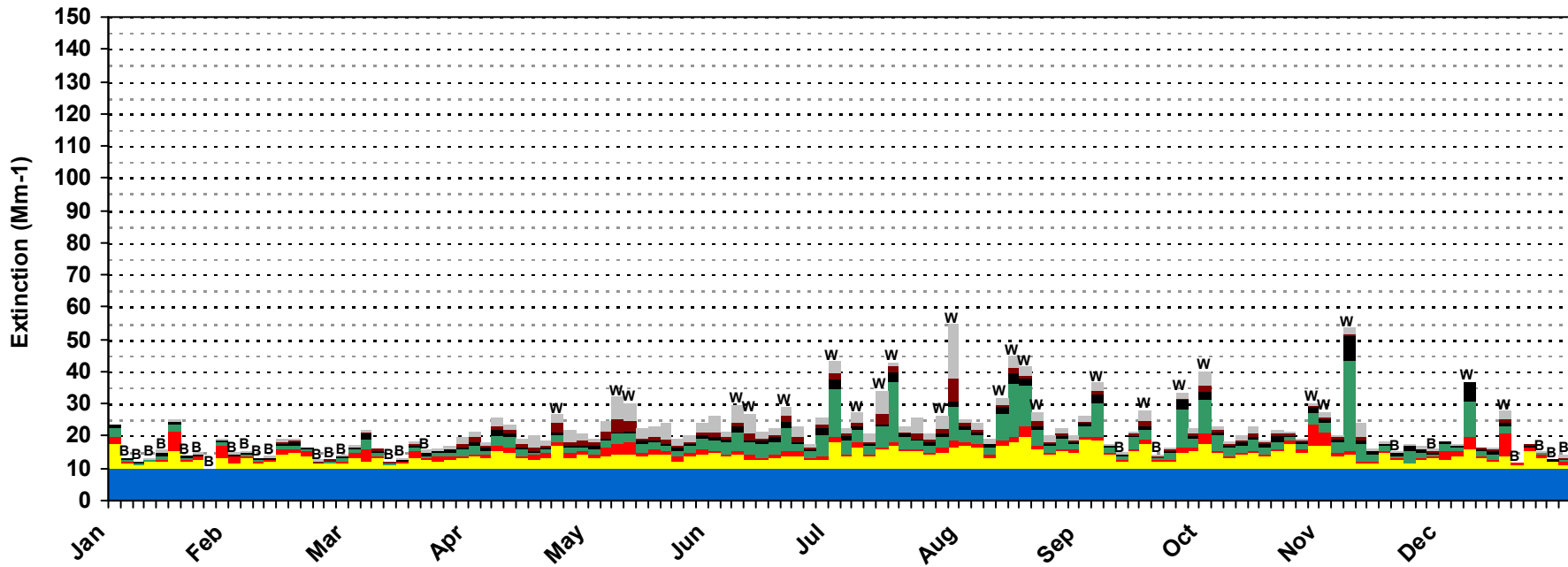


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (0 to 6 Mm-1)



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

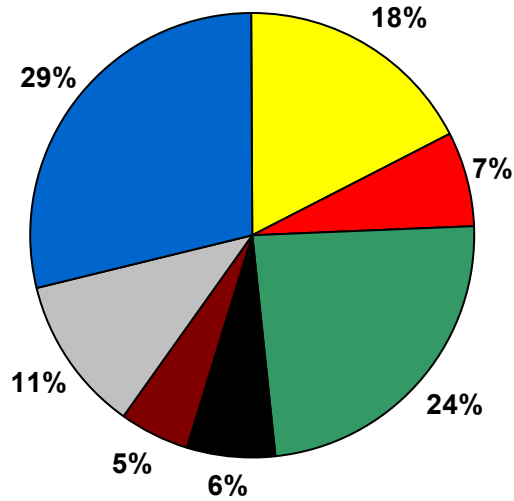
*Excludes Rayleigh Extinction



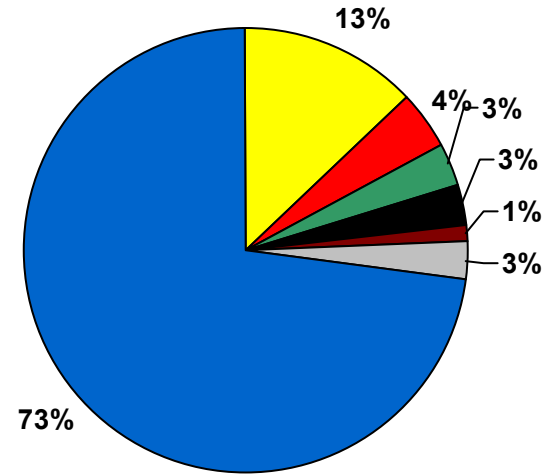
MONITORING DATA

**Hualapai Tribe, AZ
2002 Reconstructed Extinction
GRCA2 Monitoring Data (every third day)**

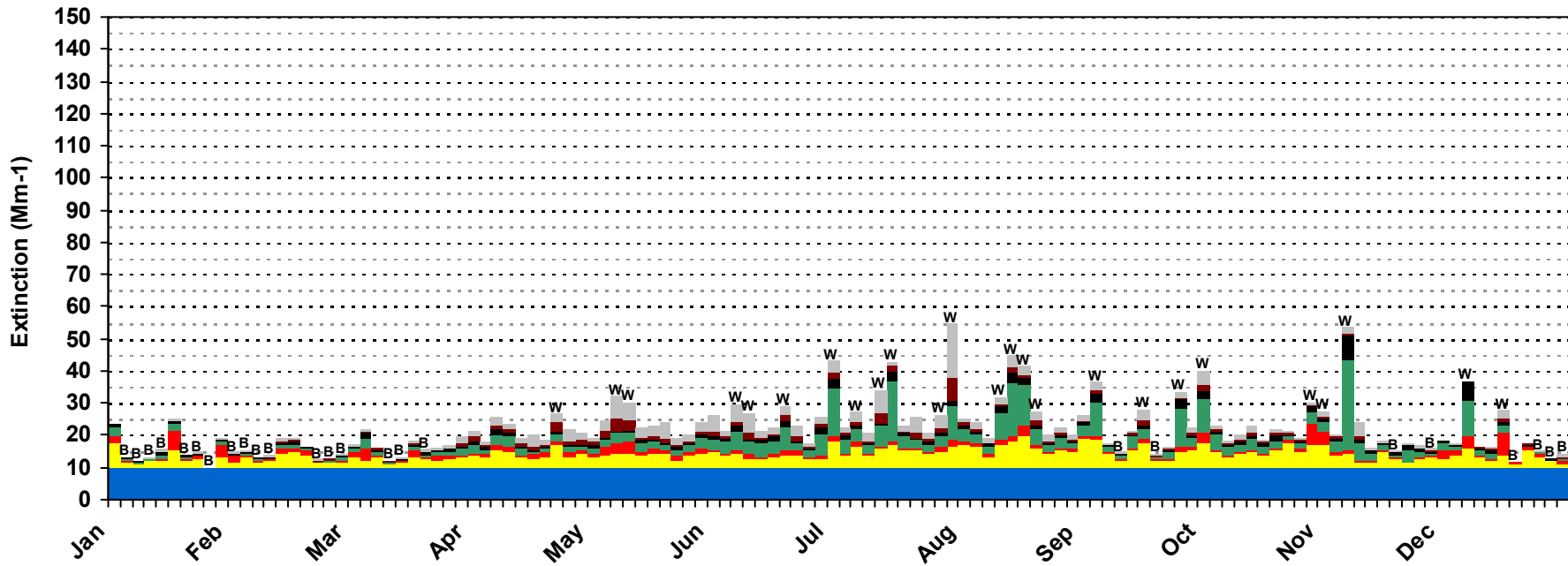
20% Worst Visibility Days
Total Extinction = 34 Mm-1 (26 to 55 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (10 to 16 Mm-1)



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



MONITORING DATA

Hualapai Tribe, AZ 2002 Reconstructed Extinction Values GRCA2 Monitoring Data (every third day)

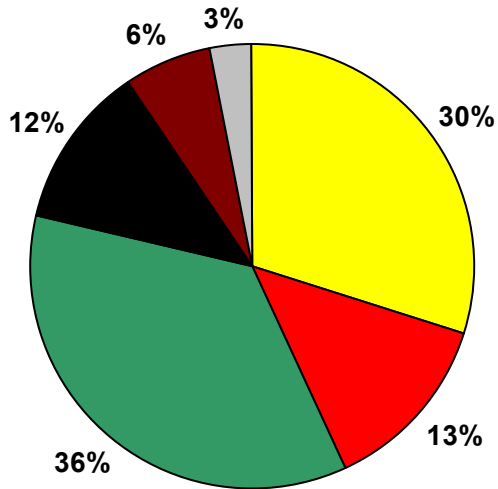
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	34.5 (12.4 dv)	26.4 (9.7 dv)	54.6 (17.0 dv)
Aerosol Extinction*:	24.5	16.4	44.6
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	6.1	18%	25%
Ammonium Nitrate:	2.4	7%	10%
Organic Material:	8.3	24%	34%
Elemental Carbon:	2.2	6%	9%
Soil:	1.8	5%	7%
Coarse Material:	3.8	11%	16%
Rayleigh:	10.0	29%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	13.8 (3.2 dv)	10.0 (0.0 dv)	15.8 (4.5 dv)
Aerosol Extinction*:	3.8	0.0	5.8
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	1.8	13%	48%
Ammonium Nitrate:	0.6	4%	15%
Organic Material:	0.4	3%	12%
Elemental Carbon:	0.4	3%	10%
Soil:	0.2	1%	4%
Coarse Material:	0.3	2%	8%
Rayleigh:	10.0	73%	N/A

*Excludes Rayleigh Extinction

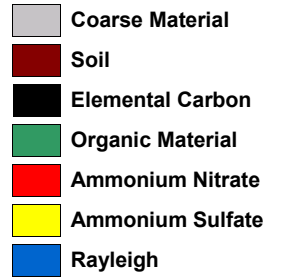
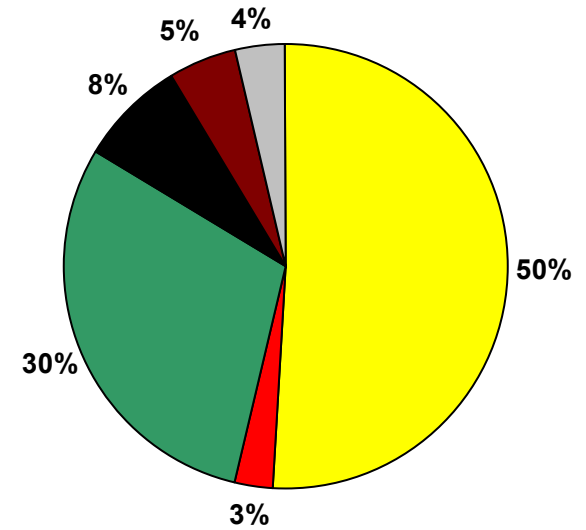
MODEL RESULTS

Hualapai Tribe, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

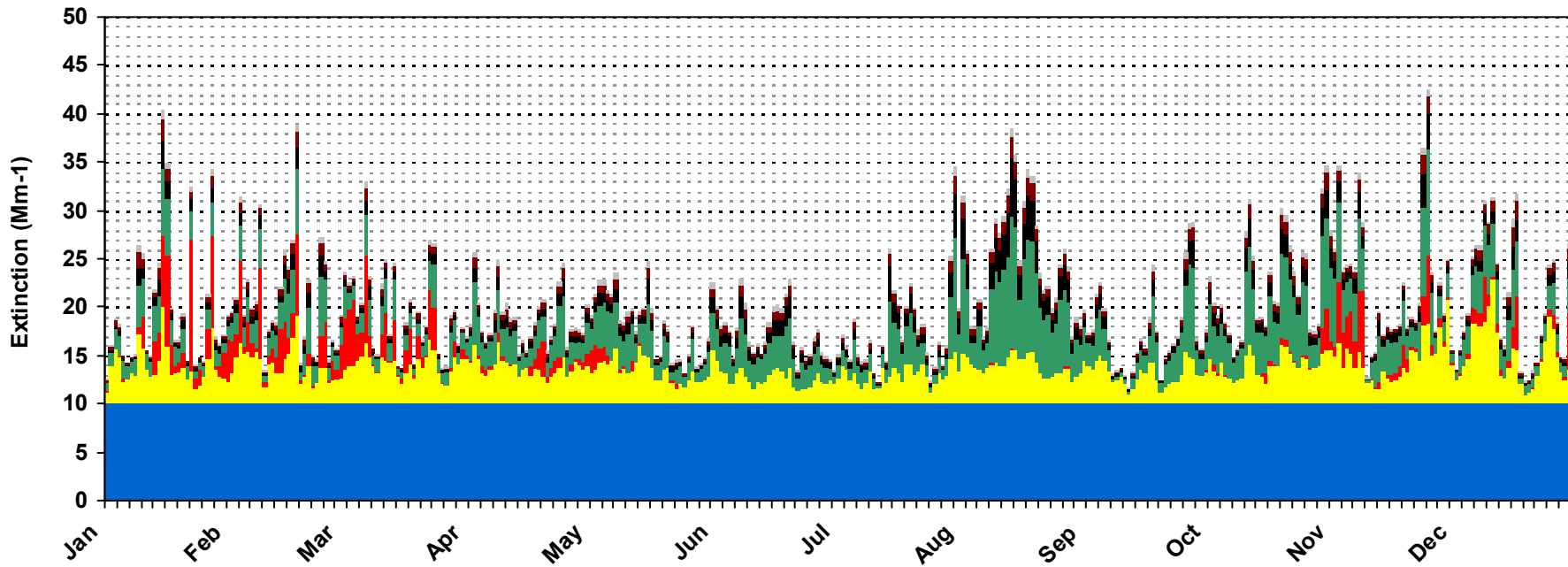
20% Worst Visibility Days
Aerosol Extinction* = 19 Mm-1 (15 to 33 Mm-1)



20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (2 to 5 Mm-1)



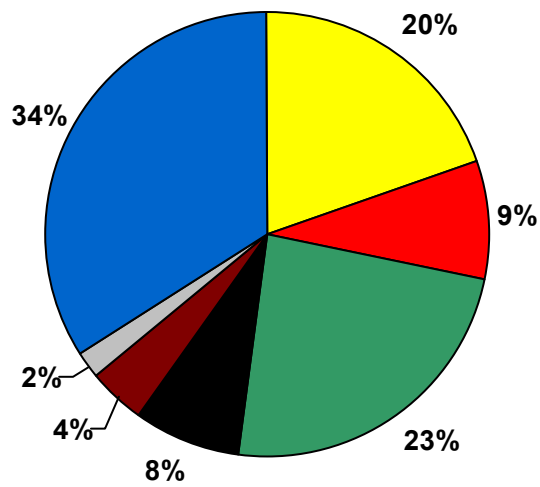
*Excludes Rayleigh Extinction



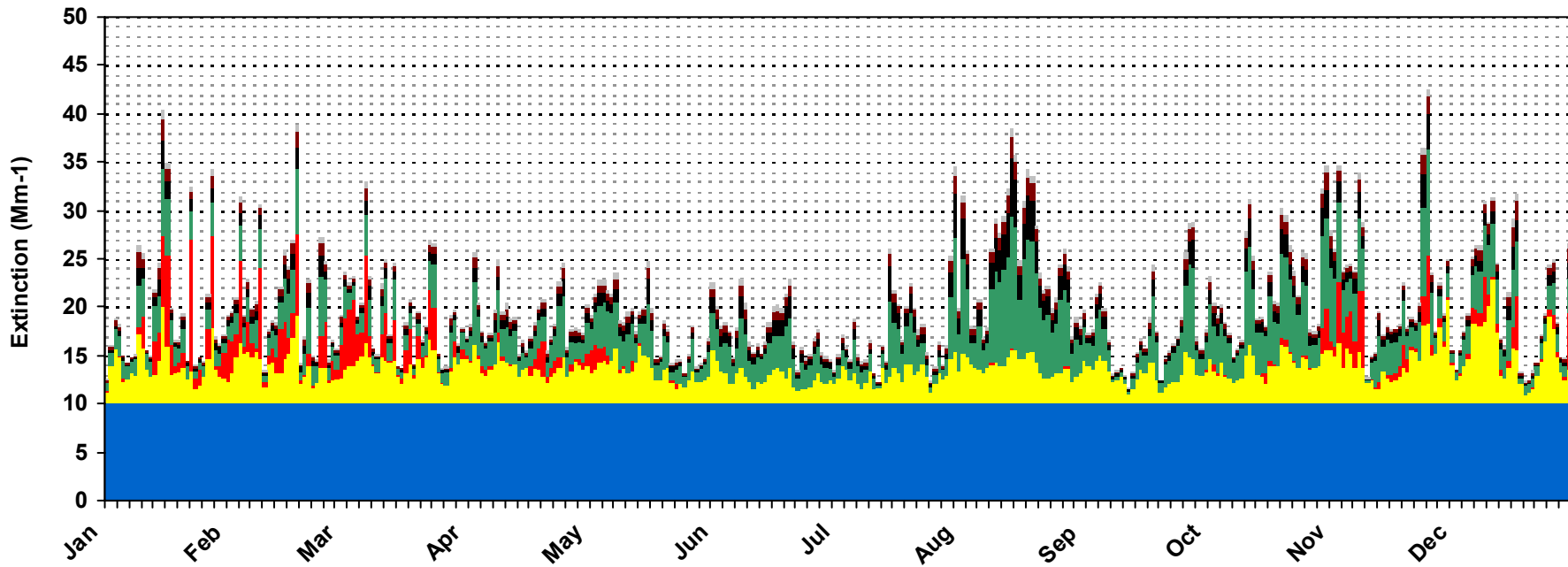
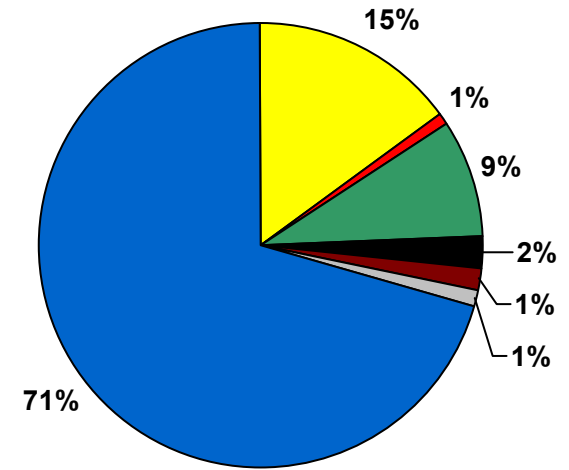
MODEL RESULTS

Hualapai Tribe, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 29 Mm-1 (25 to 43 Mm-1)



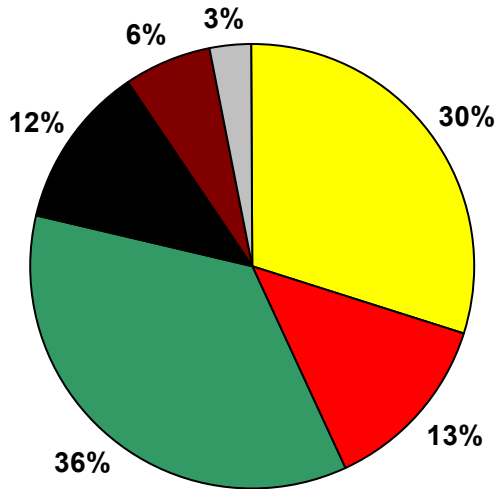
20% Best Visibility Days
Total Extinction = 14 Mm-1 (12 to 15 Mm-1)



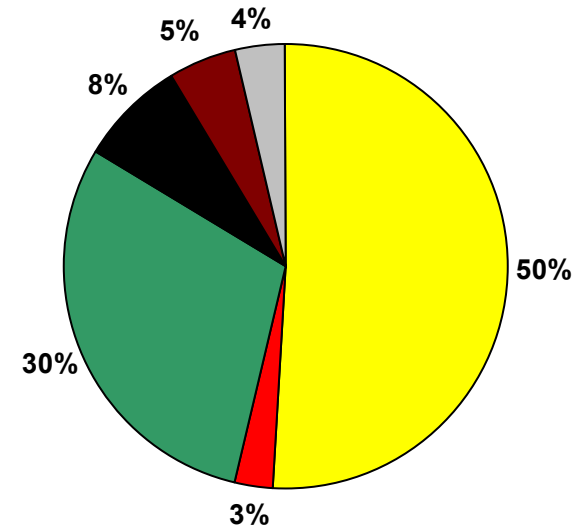
MODEL RESULTS

**Hualapai Tribe, AZ
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 19 Mm⁻¹ (15 to 33 Mm⁻¹)

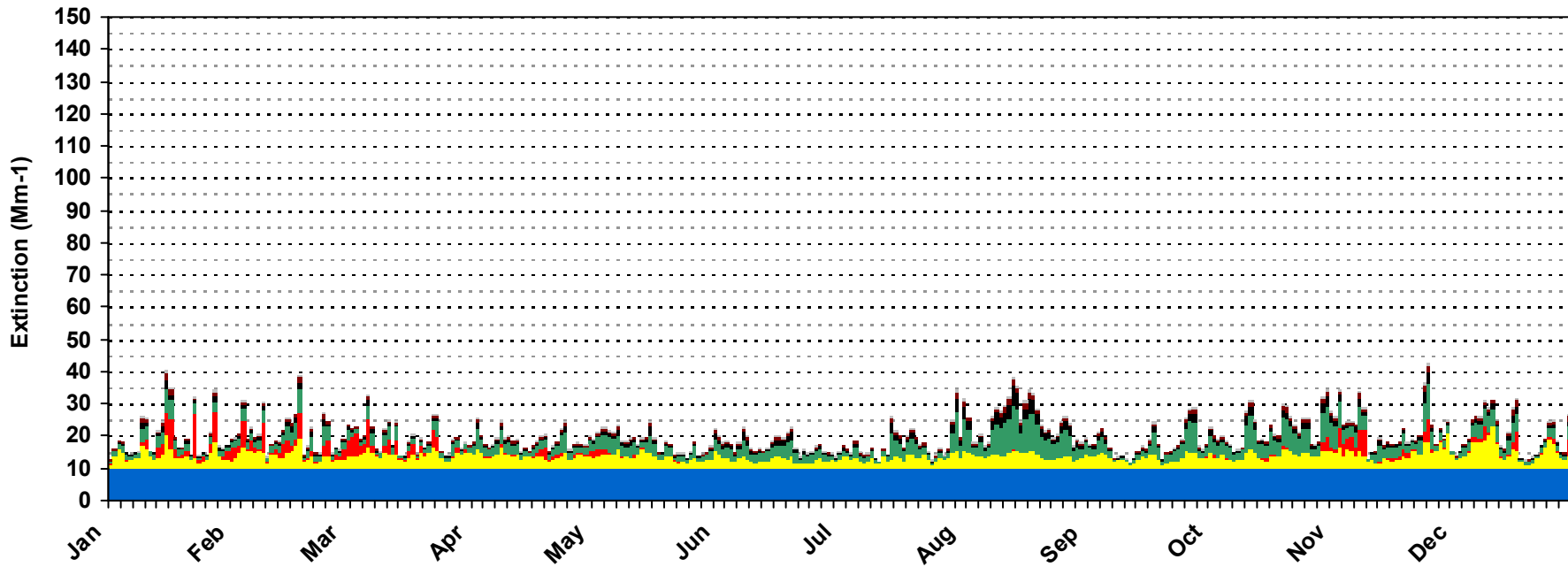


20% Best Visibility Days
Aerosol Extinction* = 4 Mm⁻¹ (2 to 5 Mm⁻¹)



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

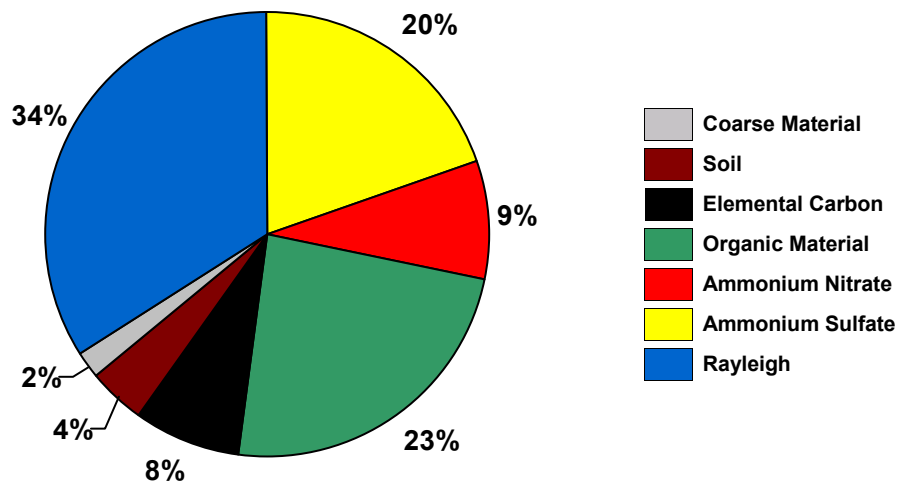
*Excludes Rayleigh Extinction



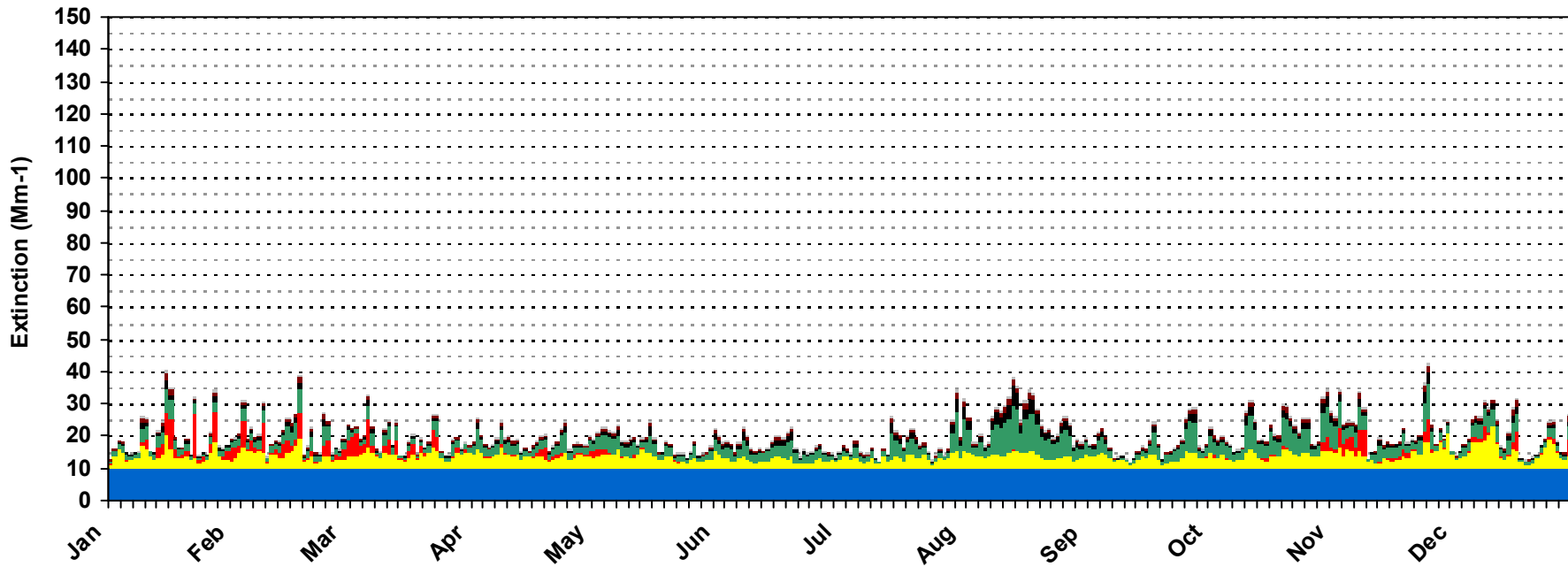
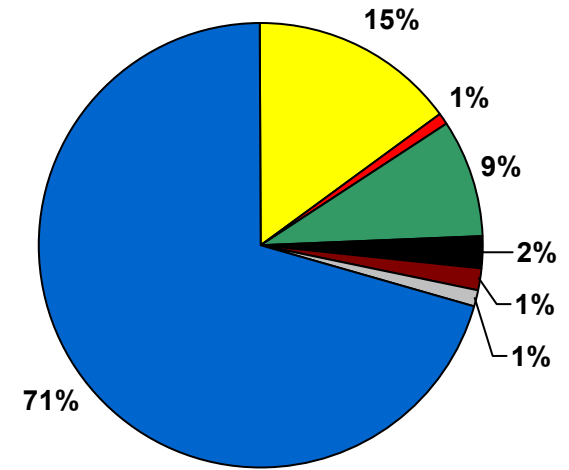
MODEL RESULTS

Hualapai Tribe, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 29 Mm-1 (25 to 43 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (12 to 15 Mm-1)



MODEL RESULTS

Hualapai Tribe, AZ 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	29.3 (10.7 dv)	24.6 (9.0 dv)	42.5 (14.5 dv)
Aerosol Extinction*:	19.3	14.6	32.5
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	5.8	20%	30%
Ammonium Nitrate:	2.5	9%	13%
Organic Material:	6.9	23%	36%
Elemental Carbon:	2.3	8%	12%
Soil:	1.2	4%	6%
Coarse Material:	0.6	2%	3%
Rayleigh:	10.0	34%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	14.2 (3.5 dv)	11.6 (1.5 dv)	15.3 (4.2 dv)
Aerosol Extinction*:	4.2	1.6	5.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.1	15%	51%
Ammonium Nitrate:	0.1	1%	3%
Organic Material:	1.2	9%	30%
Elemental Carbon:	0.3	2%	8%
Soil:	0.2	1%	5%
Coarse Material:	0.2	1%	4%
Rayleigh:	10.0	71%	N/A

*Excludes Rayleigh Extinction