

APPENDIX F

2018 Visibility Projections at VISTAS and Nearby Class I Areas for the Best 20 Percent Days using EPA Default Approach

2018 VISIBILITY PROJECTS AT VISTAS AND NEARBY CLASS I AREAS FOR THE BEST 20 PERCENT DAYS USING EPA DEFAULT APPROACH

VISTAS Class I Areas

- Figure F-1: Sipsey Wilderness Area (SIPS), Alabama
- Figure F-2: Chassahowitzka Wildlife Refuge (CHAS), Florida
- Figure F-3: Everglades National Park (EVER), Florida
- Figure F-4: St. Marks Wildlife Refuge (SAMA), Florida
- Figure F-5: Cohutta Wilderness Area (COHU), Georgia
- Figure F-6: Okefenokee Wildlife Refuge (OKEF), Georgia
- Figure F-7: Mammoth Cave National Park (MACA), Kentucky
- Figure F-8: Linville Gorge Wilderness Area (LIGO), North Carolina
- Figure F-9: Shining Rock Wilderness Area (SHRO), North Carolina
- Figure F-10: Swanquarter Wildlife Refuge (SWAN), North Carolina
- Figure F-11: Cape Romain Wildlife Refuge (ROMA), South Carolina
- Figure F-12: Great Smoky Mountains National Park (GRSM), Tennessee-North Carolina
- Figure F-13: James River Face Wilderness Area (JARI), Virginia
- Figure F-14: Shenandoah National Park (SHEN), Virginia
- Figure F-15: Dolly Sods Wilderness Area (DOSO), West Virginia

Nearby Class I Areas

- Figure F-16: Breton Island Wildlife Refuge (BRET), Louisiana
- Figure F-17: Caney Creek Wilderness Area (CACR), Arkansas
- Figure F-18: Upper Buffalo Wilderness Area (UPBU), Arkansas
- Figure F-19: Mingo Wildlife Refuge (MING), Missouri
- Figure F-20: Hercules Glade Wilderness Area (HEGL), Missouri
- Figure F-21: Brigantine Wildlife Refuge (BRIG), New Jersey

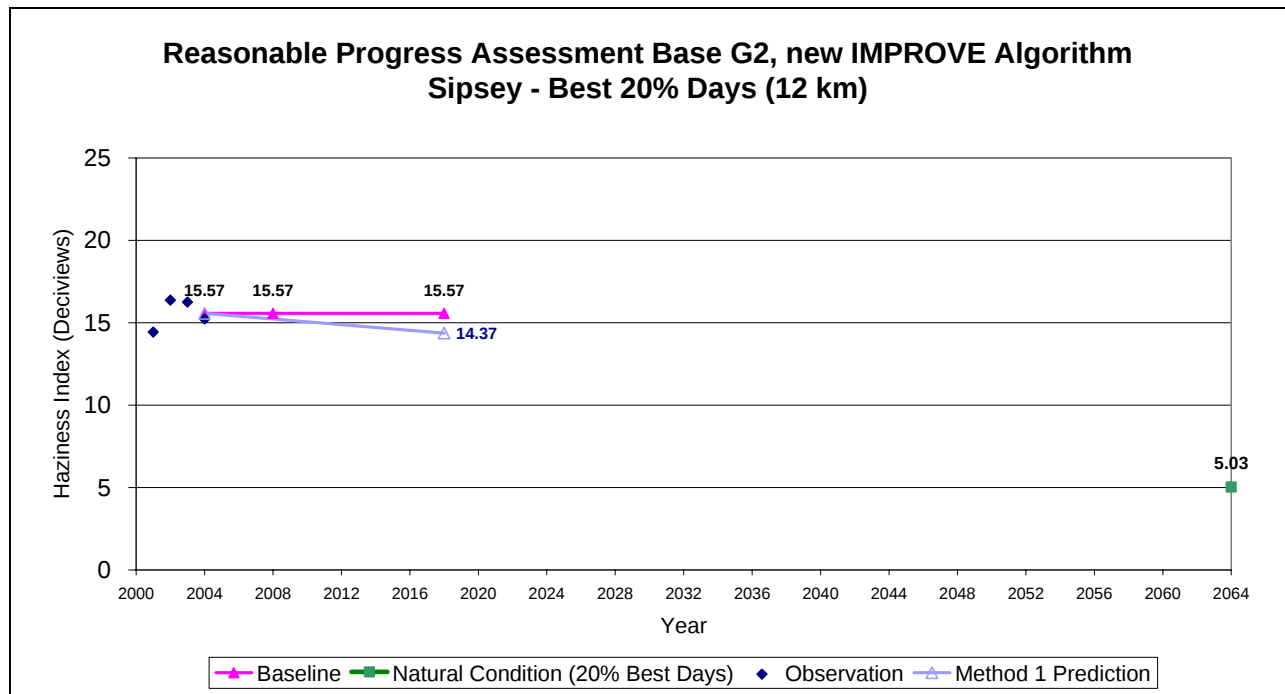


Figure F-1a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Sipsey (SIPS), Alabama and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

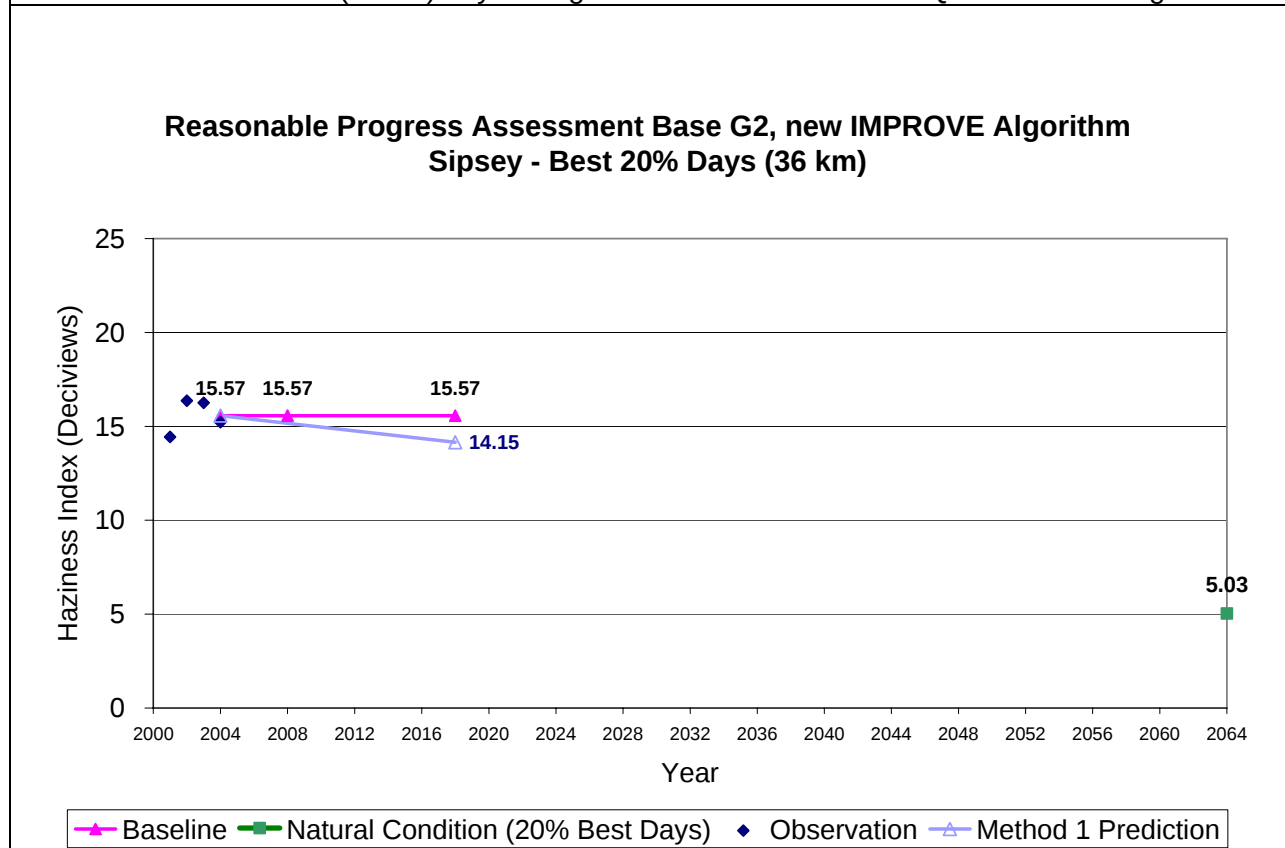


Figure F-1b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Sipsey (SIPS), Alabama and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

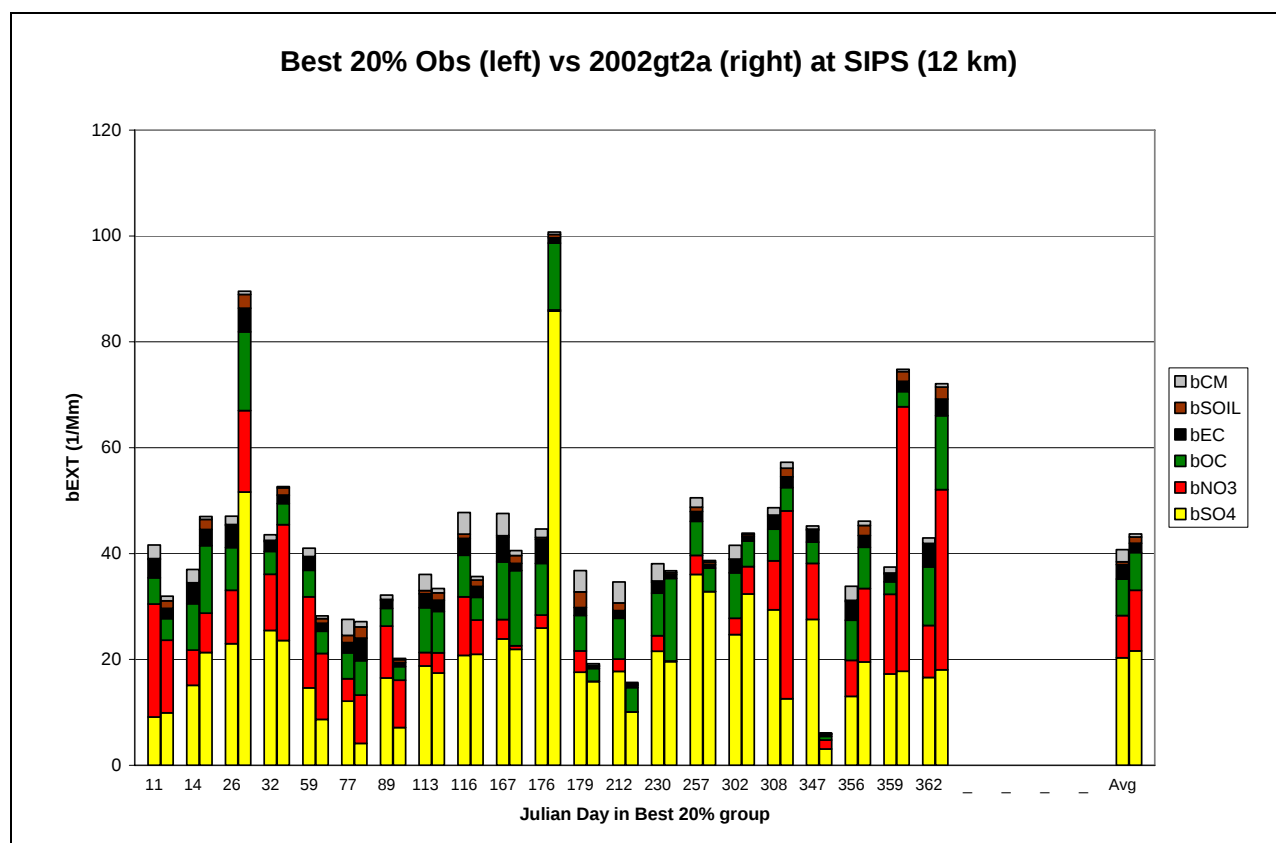


Figure F-1c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Sipsey (SIPS), Alabama and Best 20% (B20%) days in 2002.

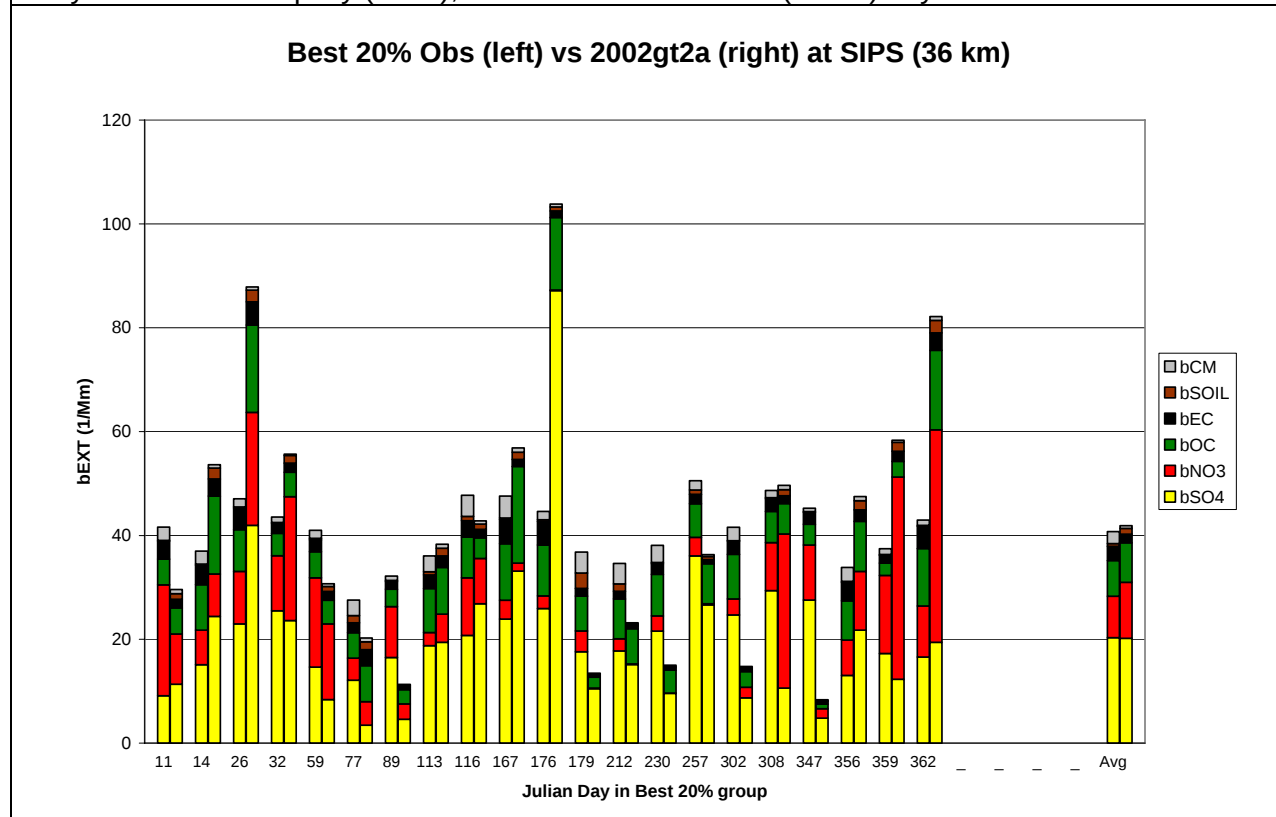


Figure F-1d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Sipsey (SIPS), Alabama and Best 20% (B20%) days in 2002.

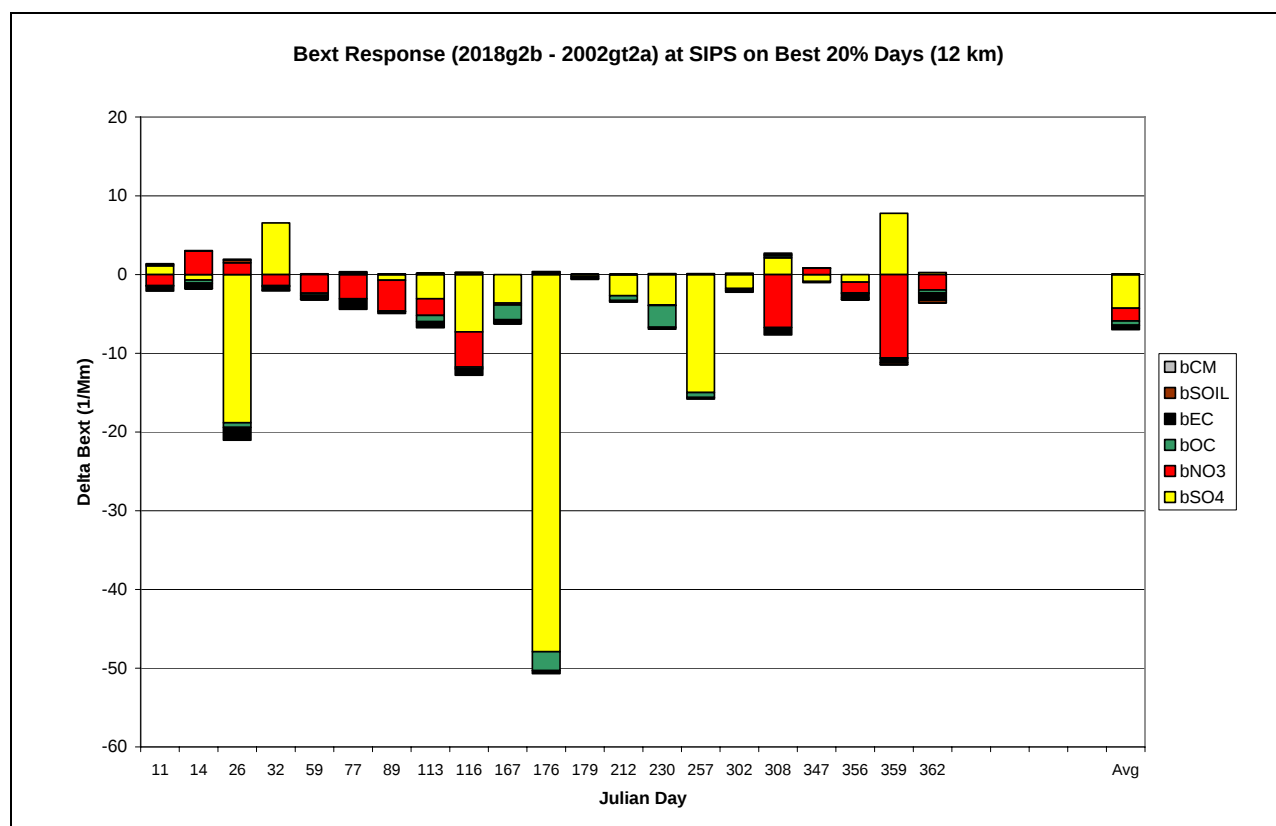


Figure F-1e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Sipsey (SIPS), Alabama and Best 20% (B20%) days in 2002.

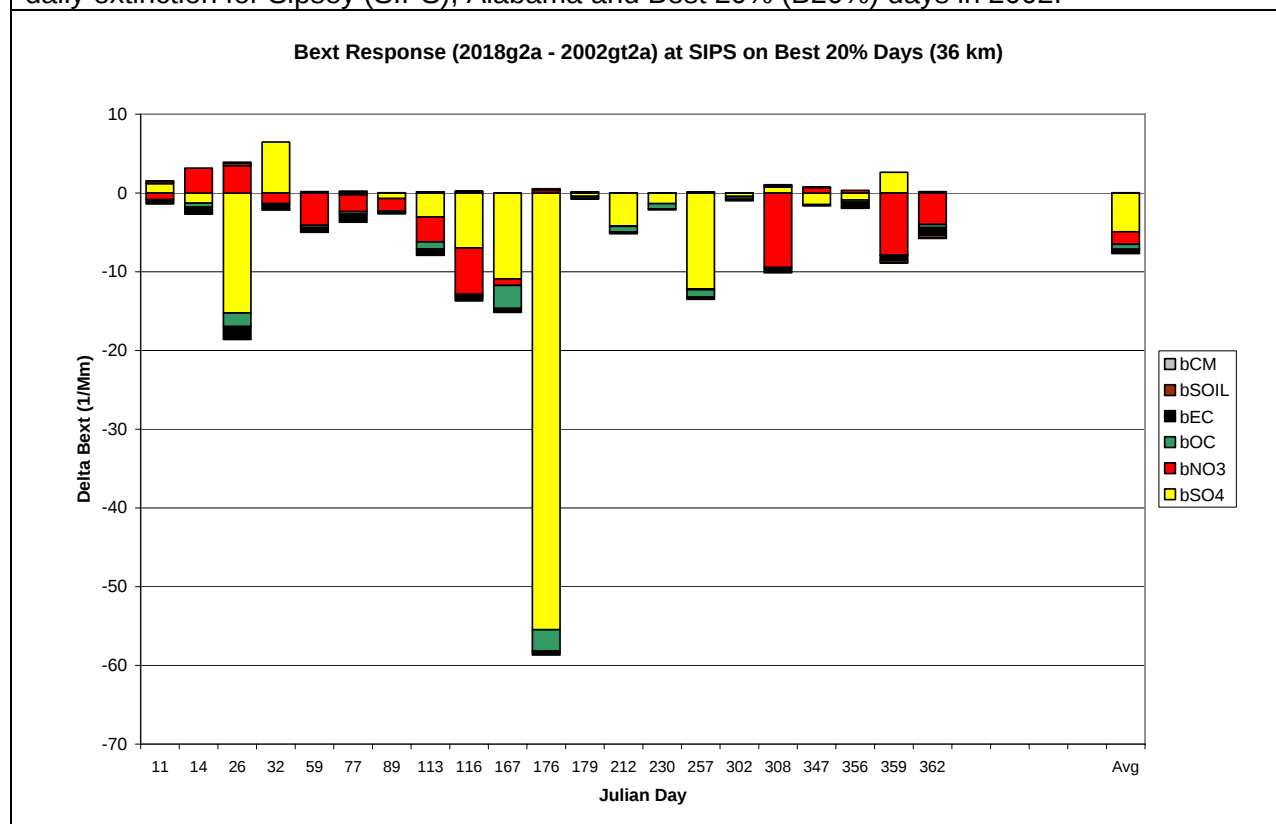


Figure F-1f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Sipsey (SIPS), Alabama and Best 20% (B20%) days in 2002.

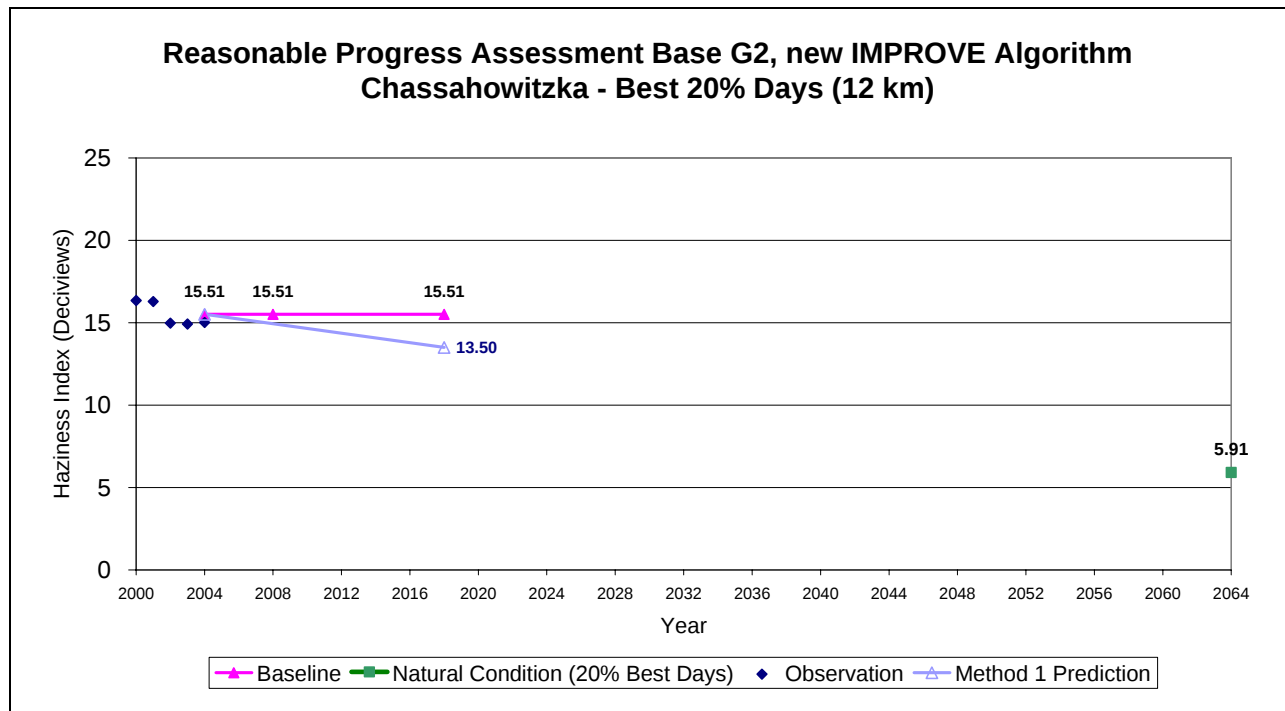


Figure F-2a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Chassahowitzka (CHAS), Florida and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

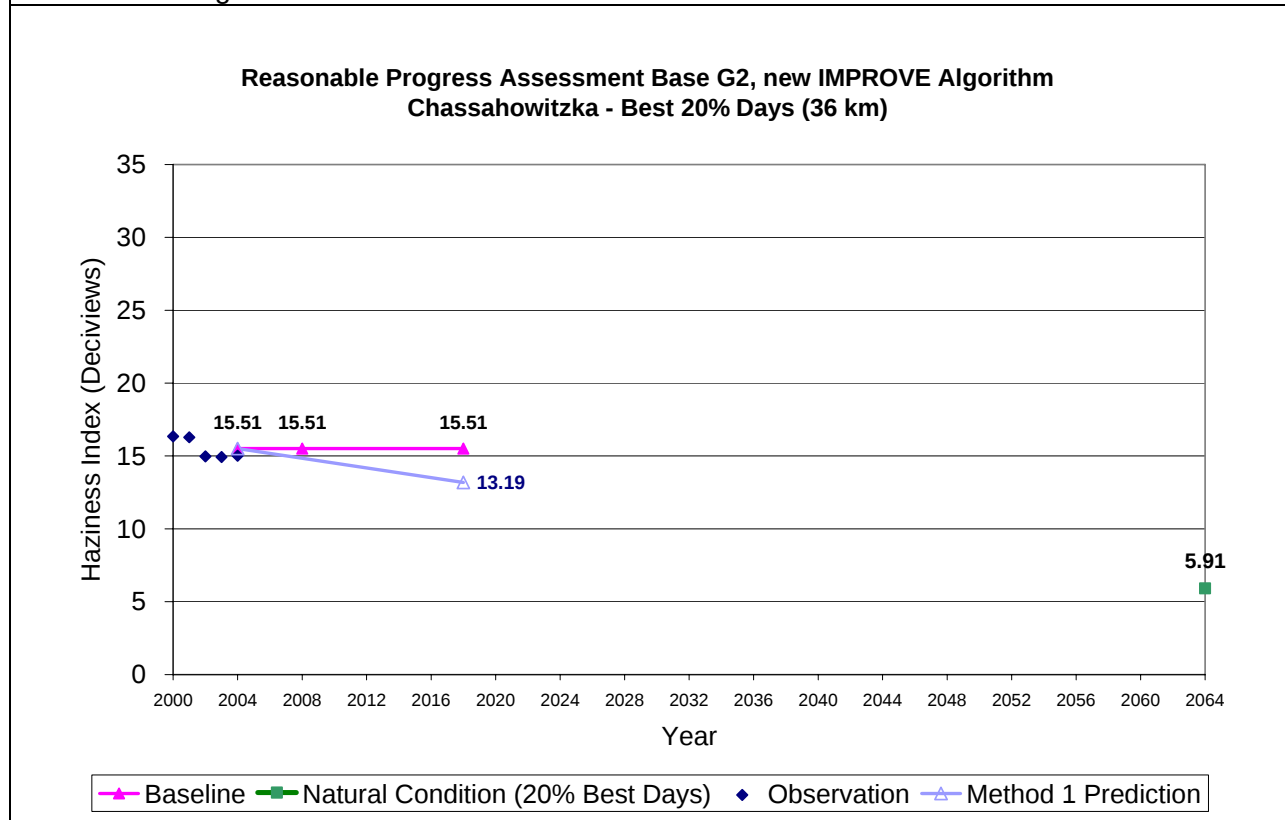


Figure F-2b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Chassahowitzka (CHAS), Florida and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results

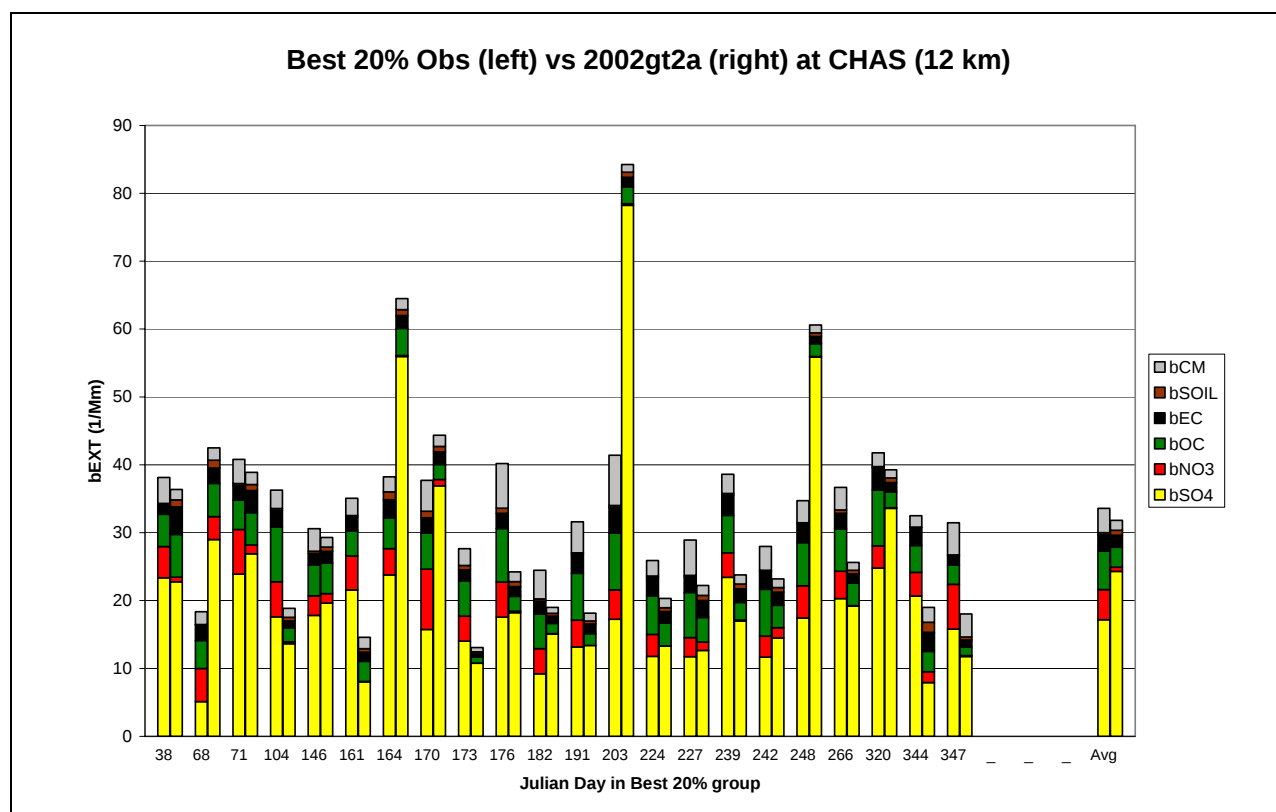


Figure F-2c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Chassahowitzka Wildlife Refuge (CHAS), Florida and Best 20% (B20%) days in 2002.

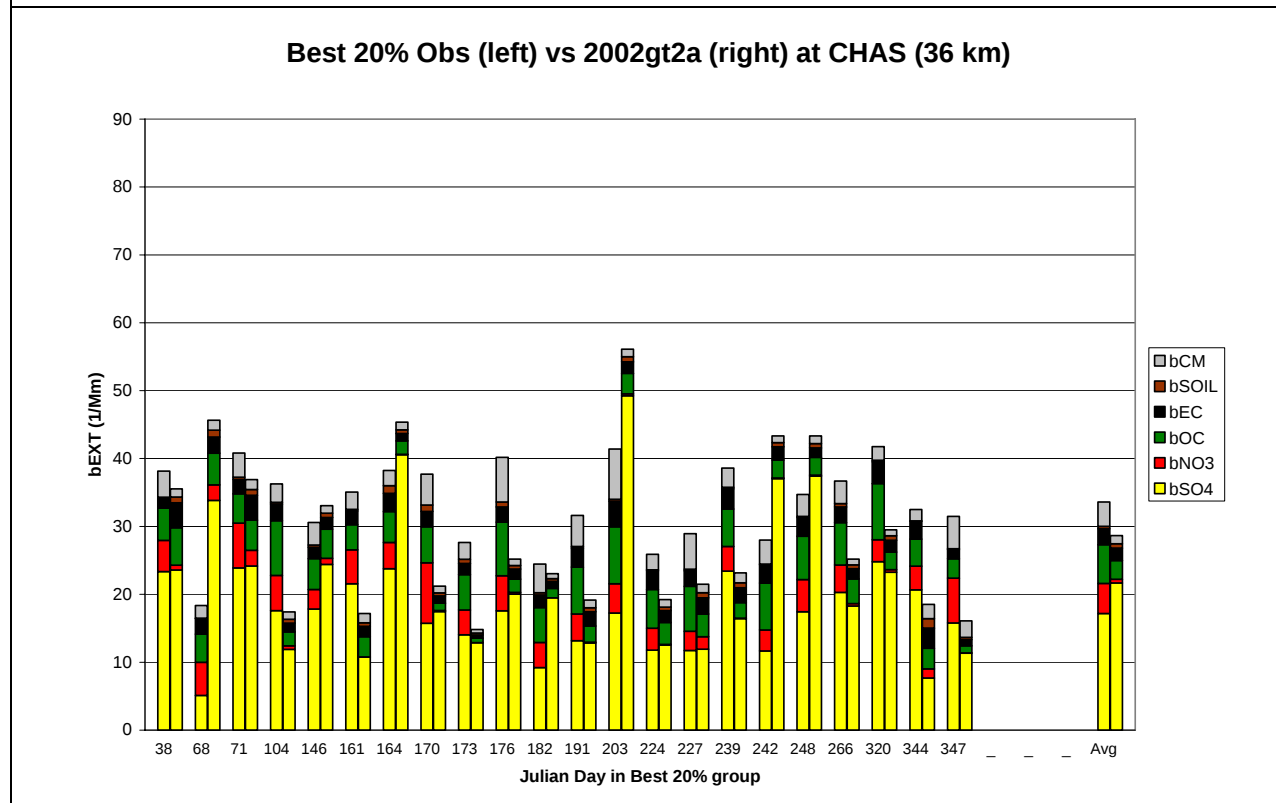


Figure F-2d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Chassahowitzka Wildlife Refuge (CHAS), Florida and Best 20% (B20%) days in 2002.

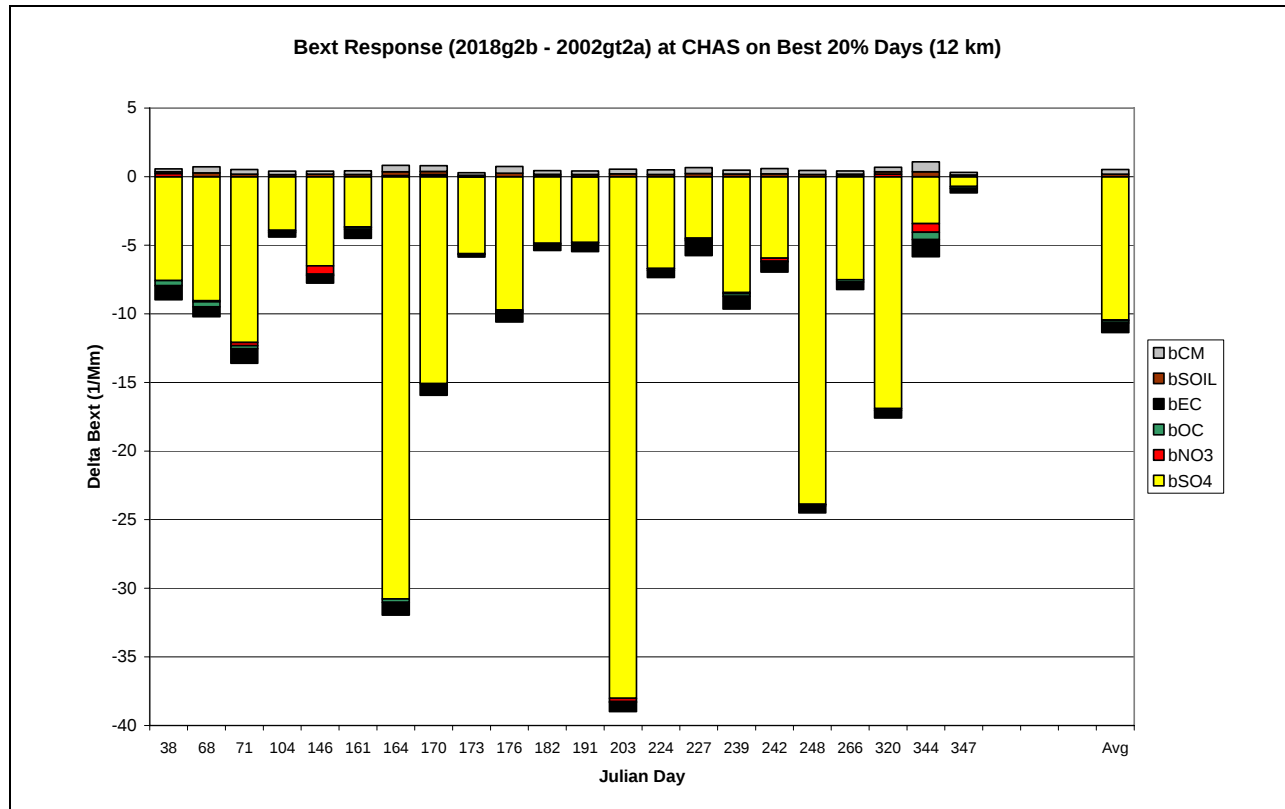


Figure F-2e. Differences in modeled 2002 and 2018 Base G2 CMAQ 12 km results (2018-2002) daily extinction for Chassahowitzka Wildlife Refuge (CHAS), Florida and Best 20% (B20%) days in 2002.

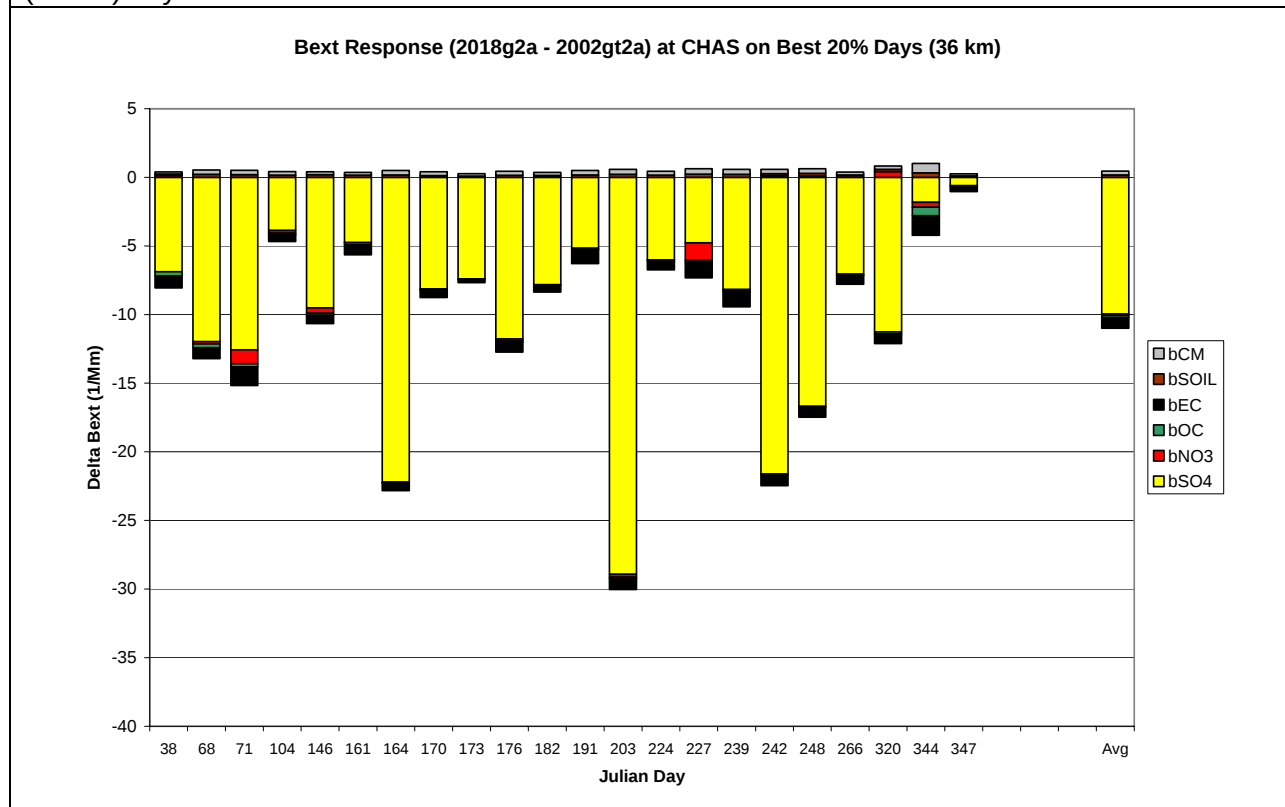


Figure F-2f. Differences in modeled 2002 and 2018 Base G2 CMAQ 36 km results (2018-2002) daily extinction for Chassahowitzka Wildlife Refuge (CHAS), Florida and Best 20% (B20%) days in 2002.

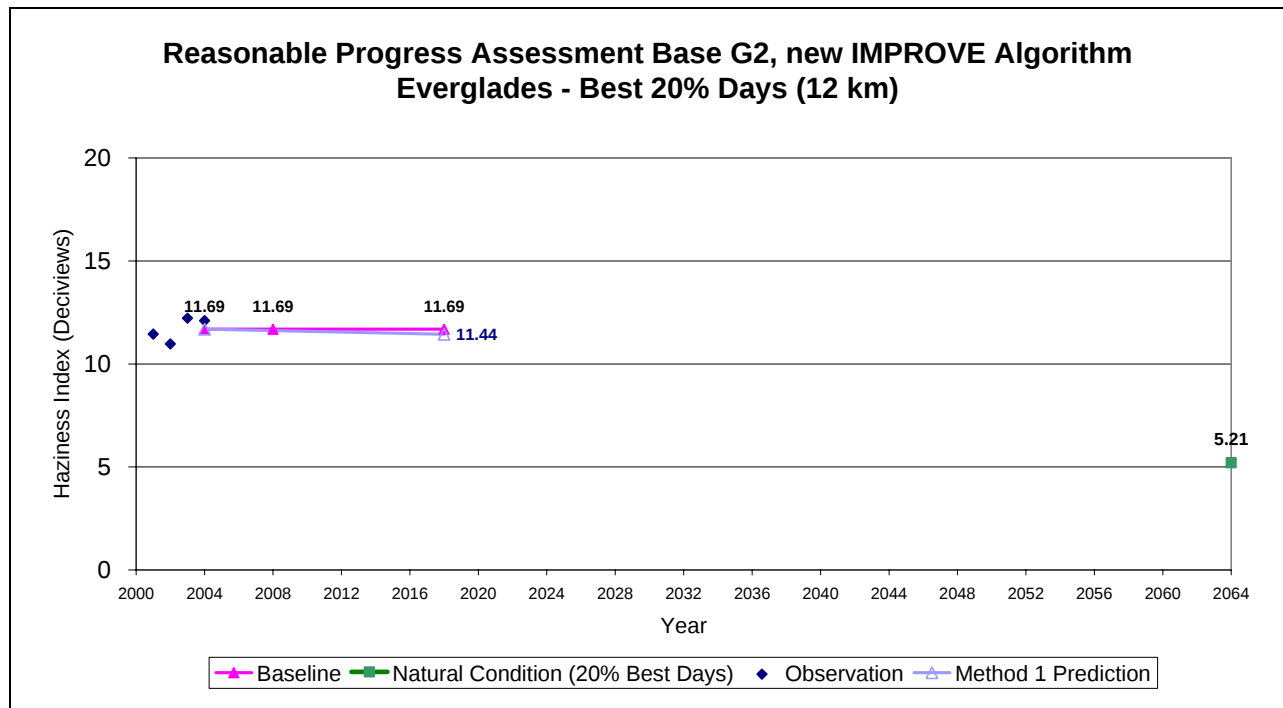


Figure F-3a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Everglades (EVER), Florida and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

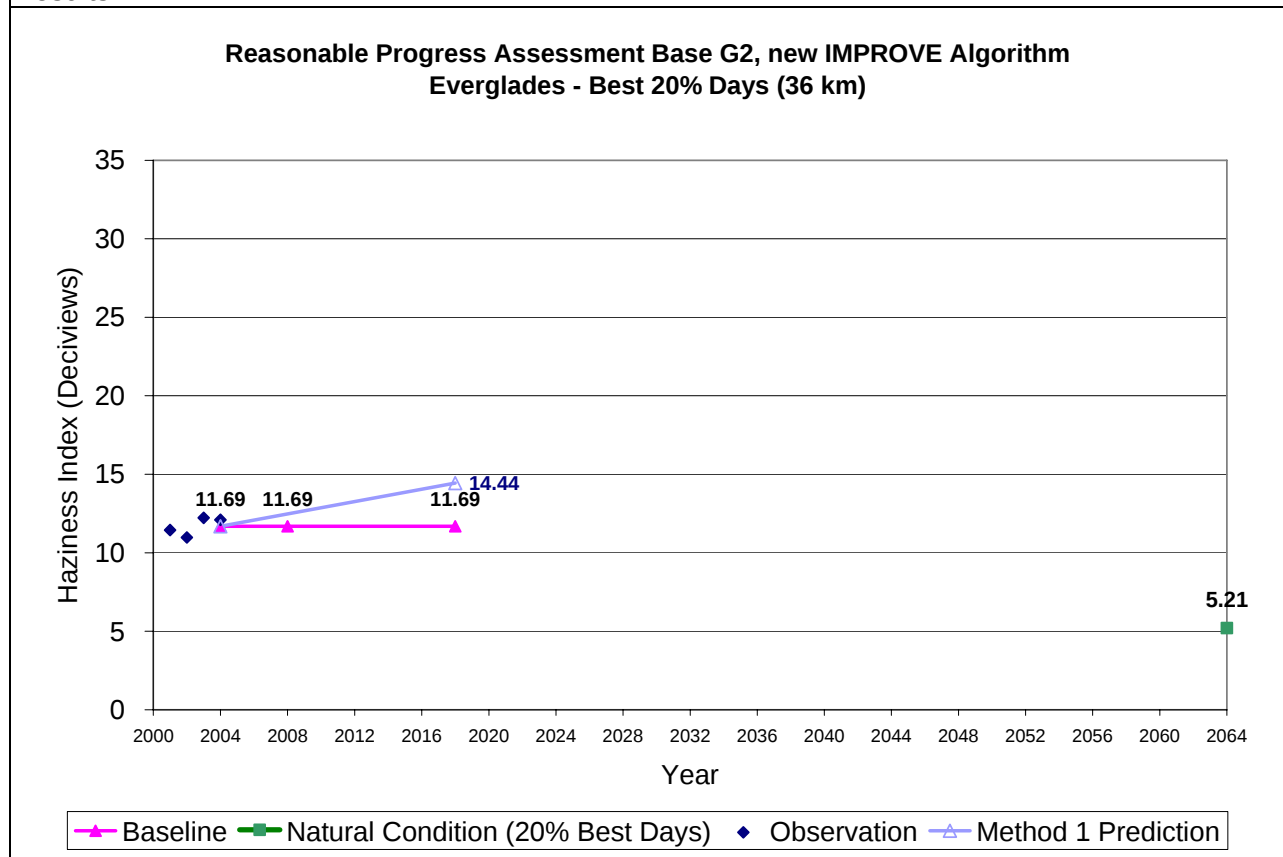


Figure F-3b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Everglades (EVER), Florida and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

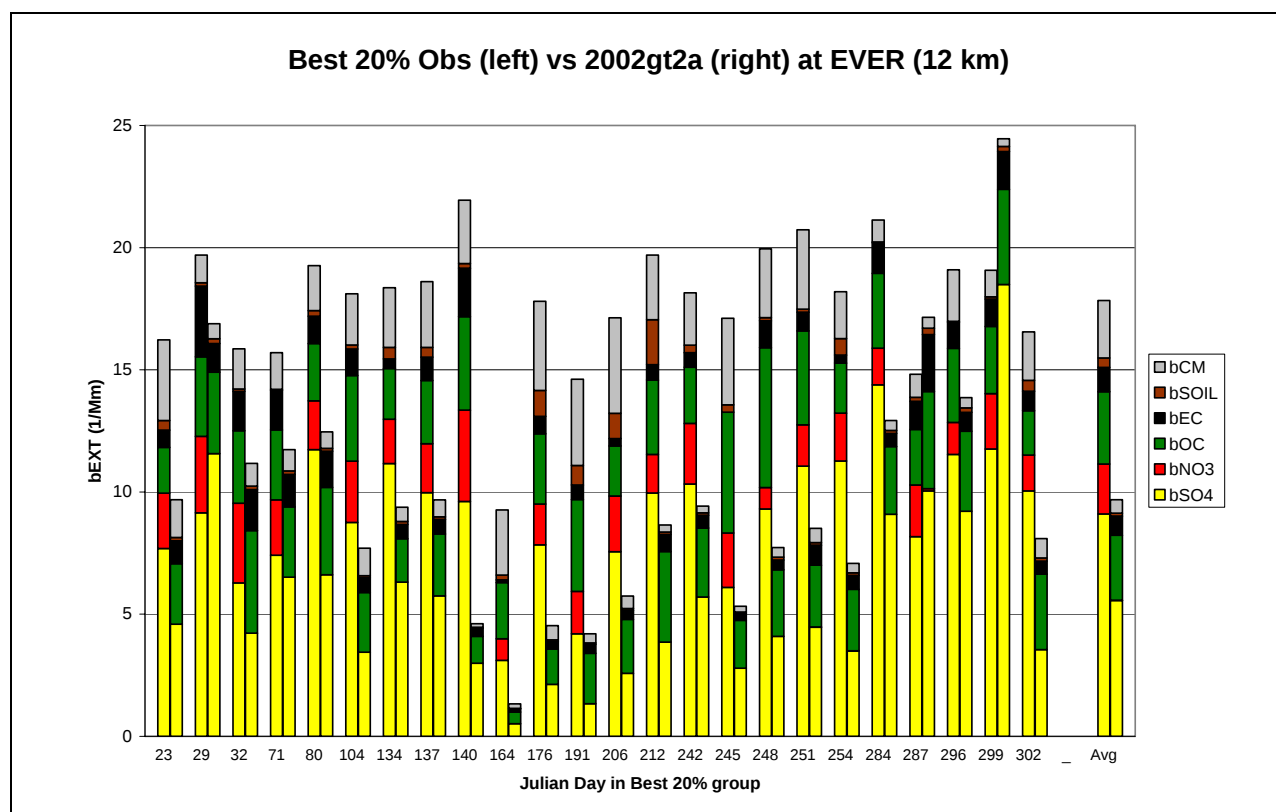


Figure F-3c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Everglades (EVER), Florida and Best 20% (B20%) days in 2002.

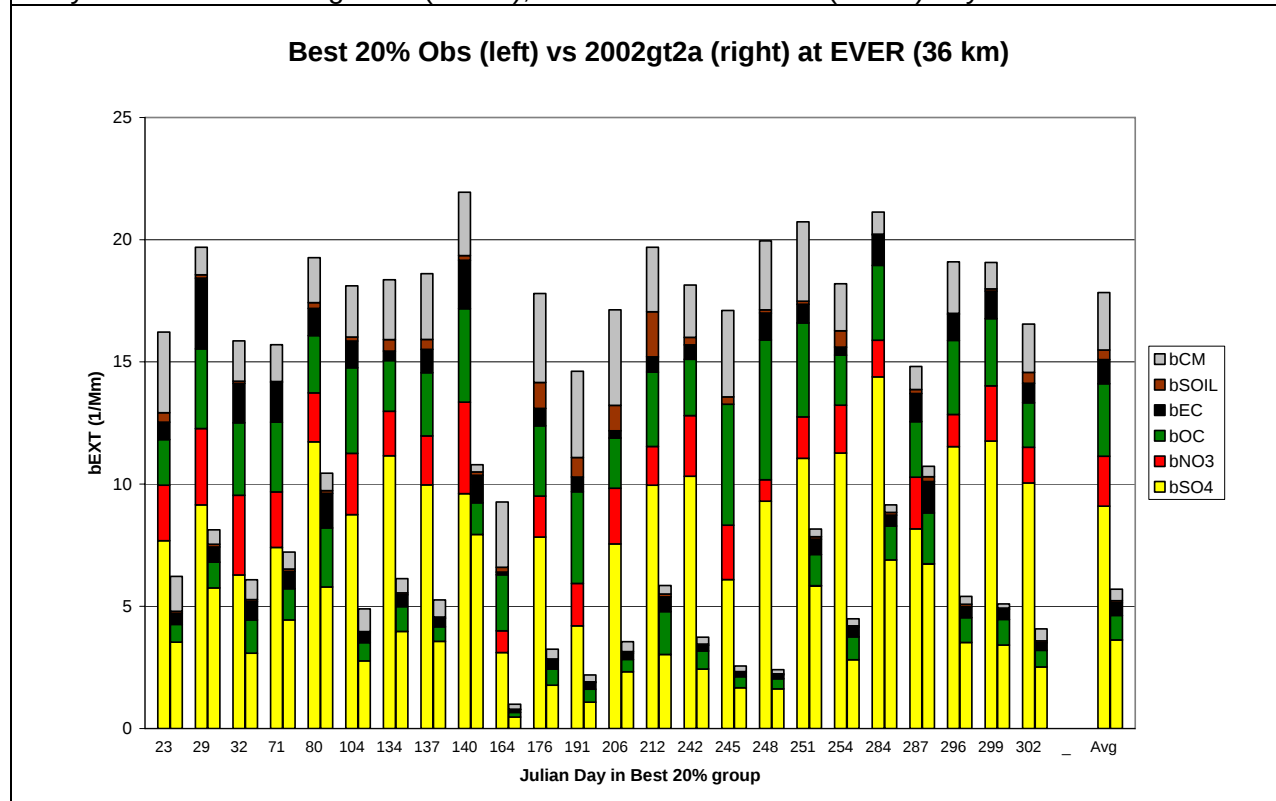


Figure F-3d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Everglades (EVER), Florida and Best 20% (B20%) days in 2002.

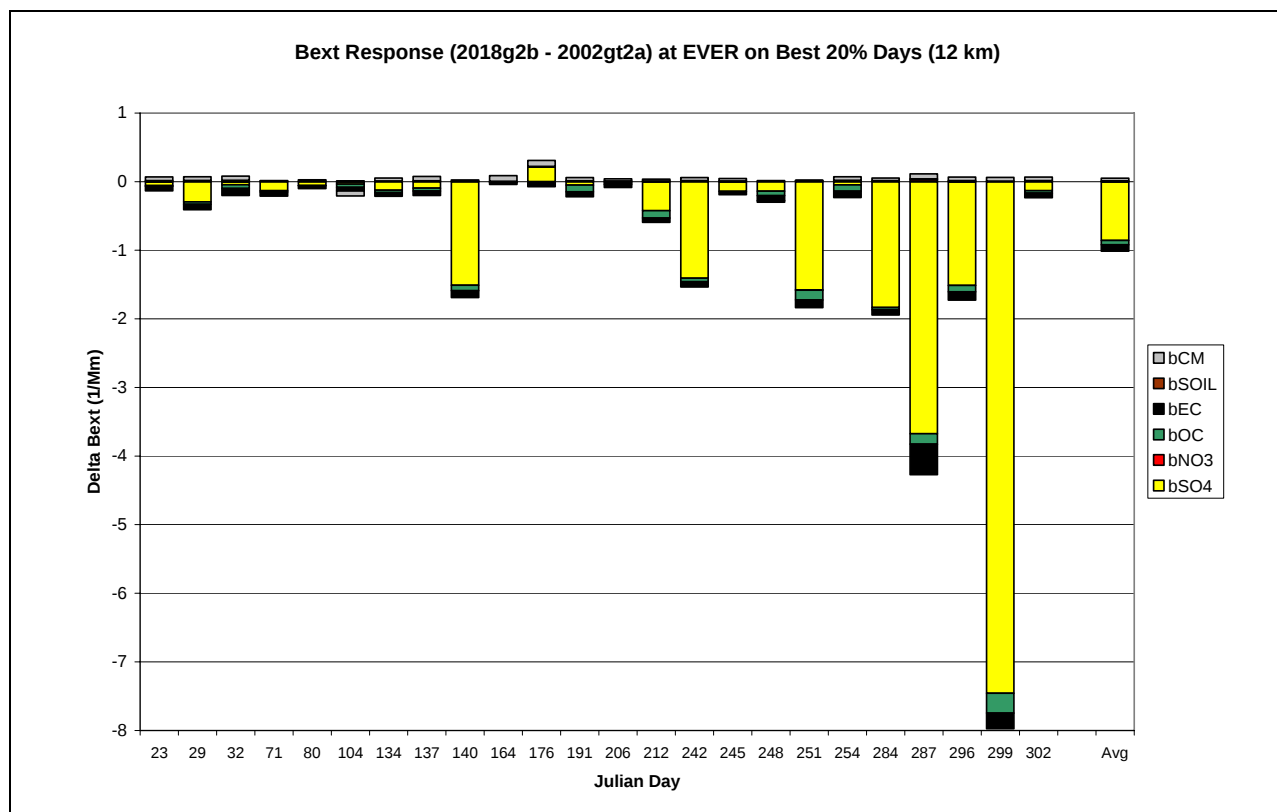


Figure F-3e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Everglades (EVER), Florida and Best 20% (B20%) days in 2002.

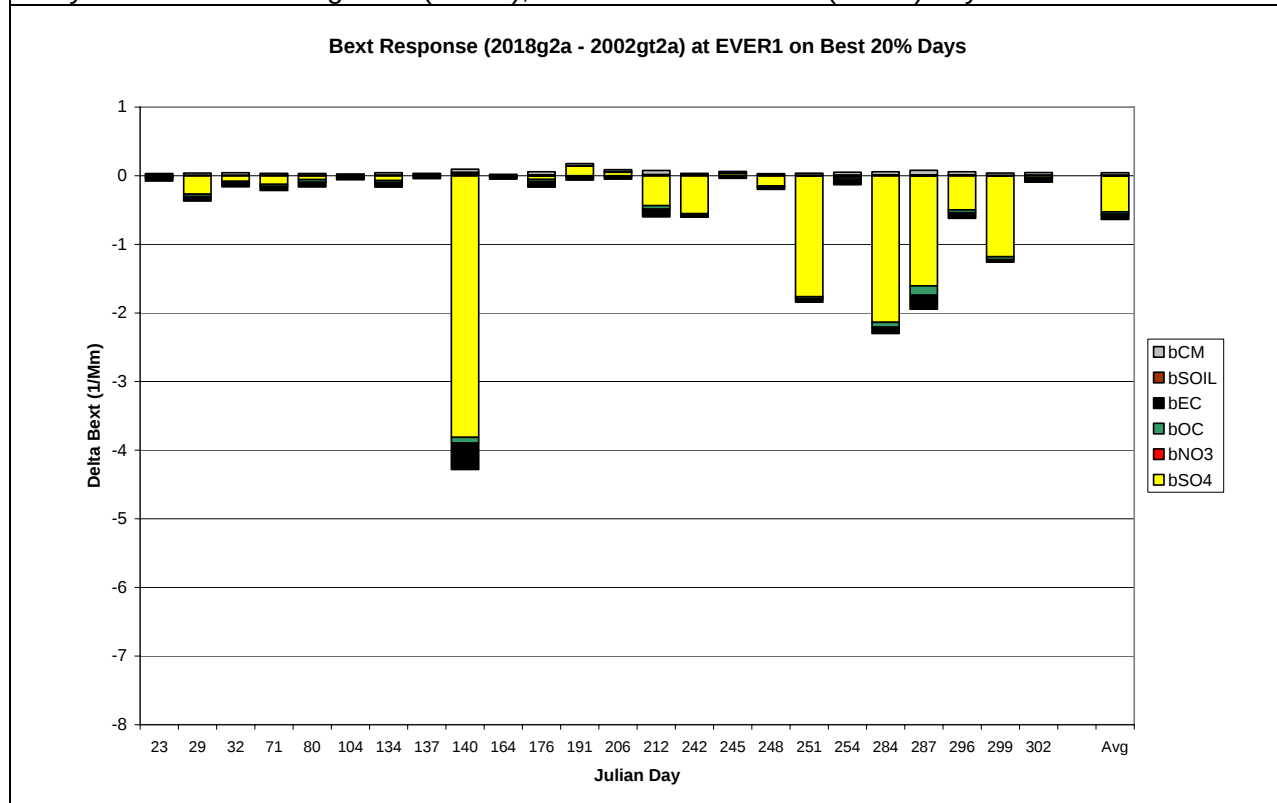


Figure F-3f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Everglades (EVER), Florida and Best 20% (B20%) days in 2002.

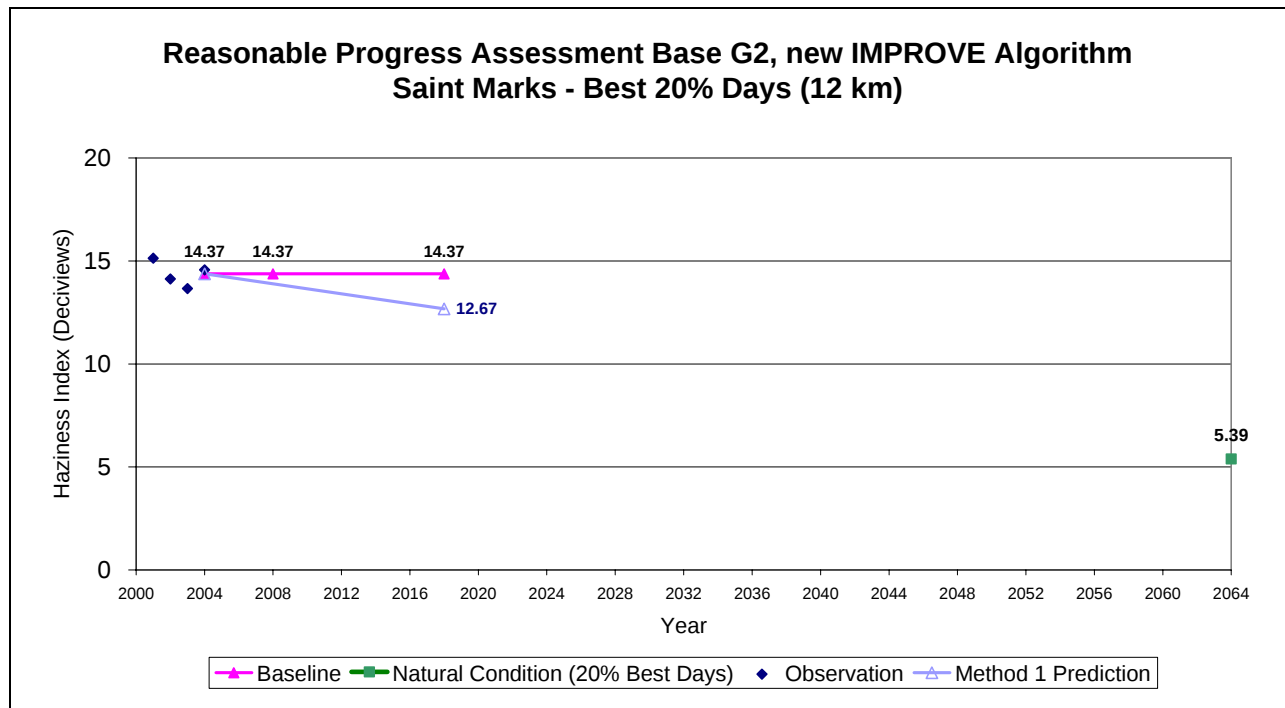


Figure F-4a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for St. Marks (SAMA), Florida and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

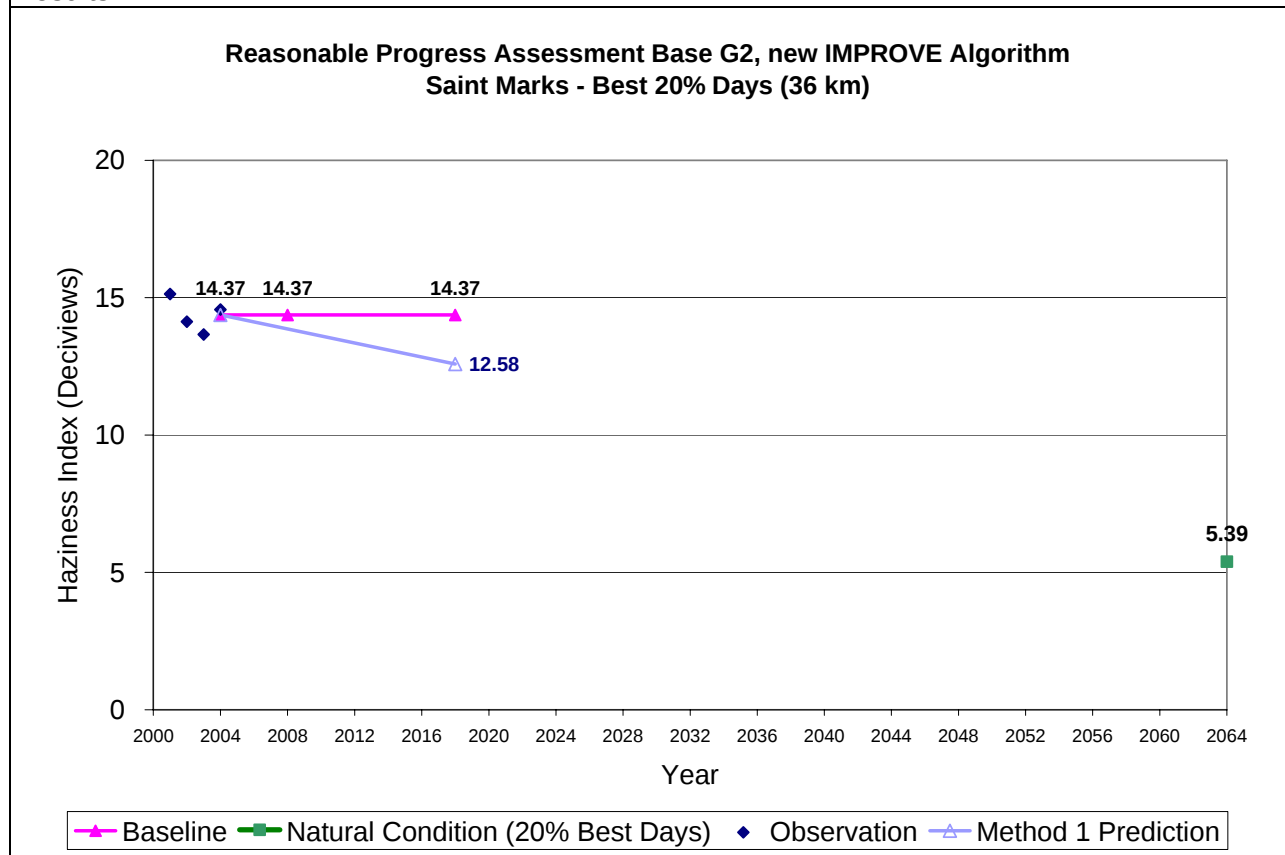


Figure F-4b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for St. Marks (SAMA), Florida and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

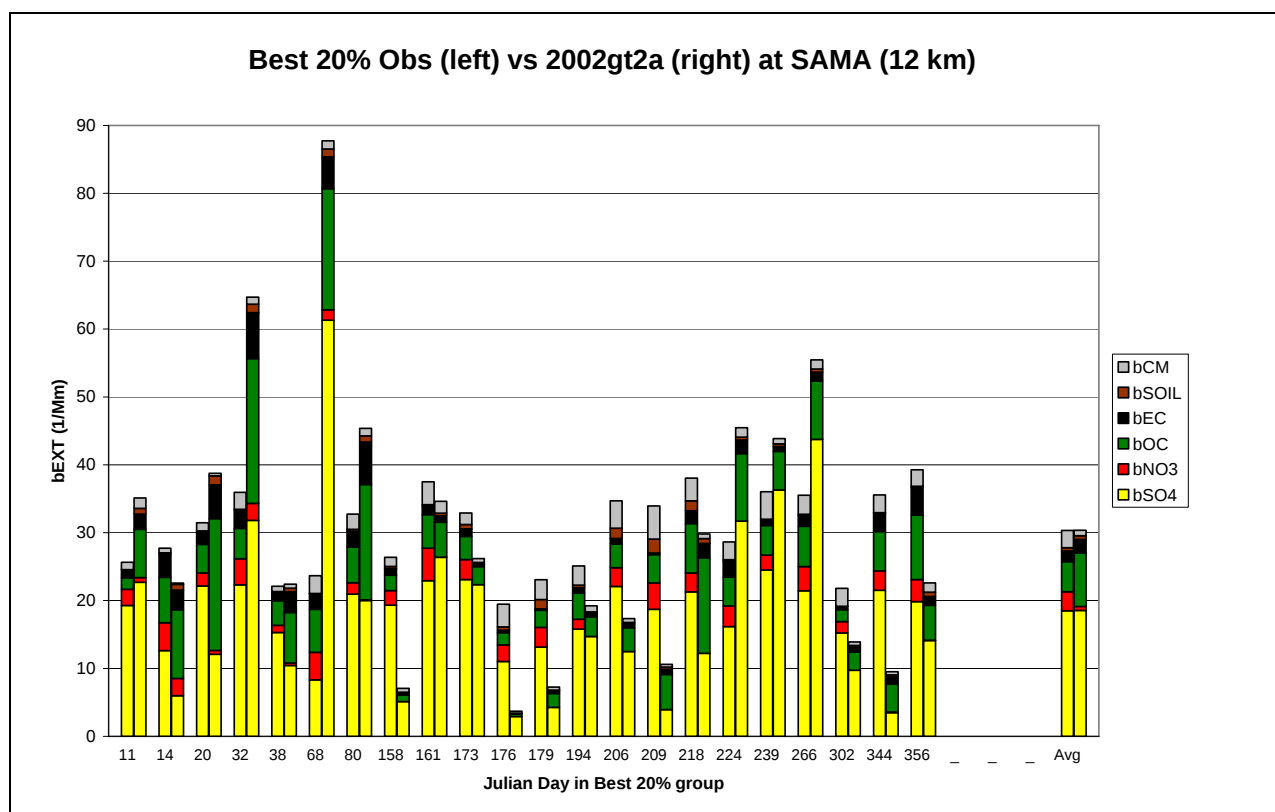


Figure F-4c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for St. Marks (SAMA), Florida and Best 20% (B20%) days in 2002.

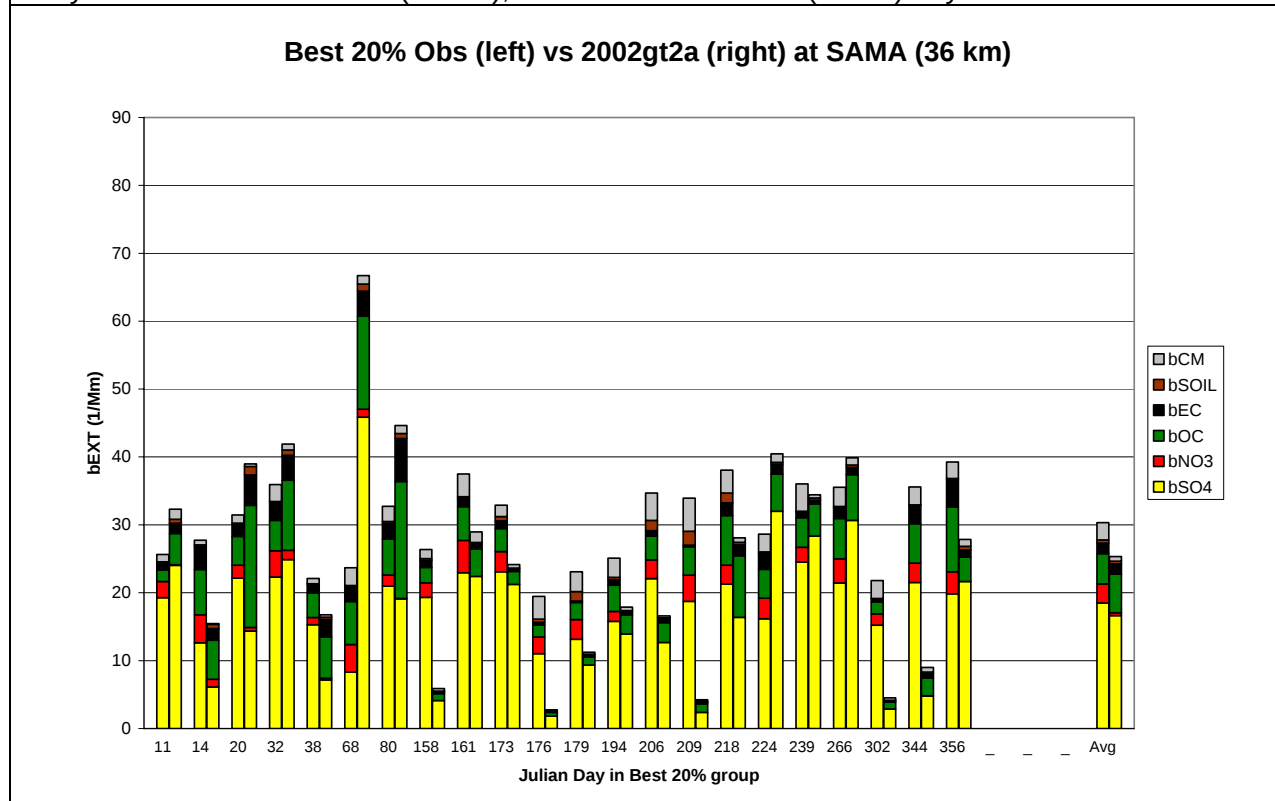


Figure F-4d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for St. Marks (SAMA), Florida and Best 20% (B20%) days in 2002.

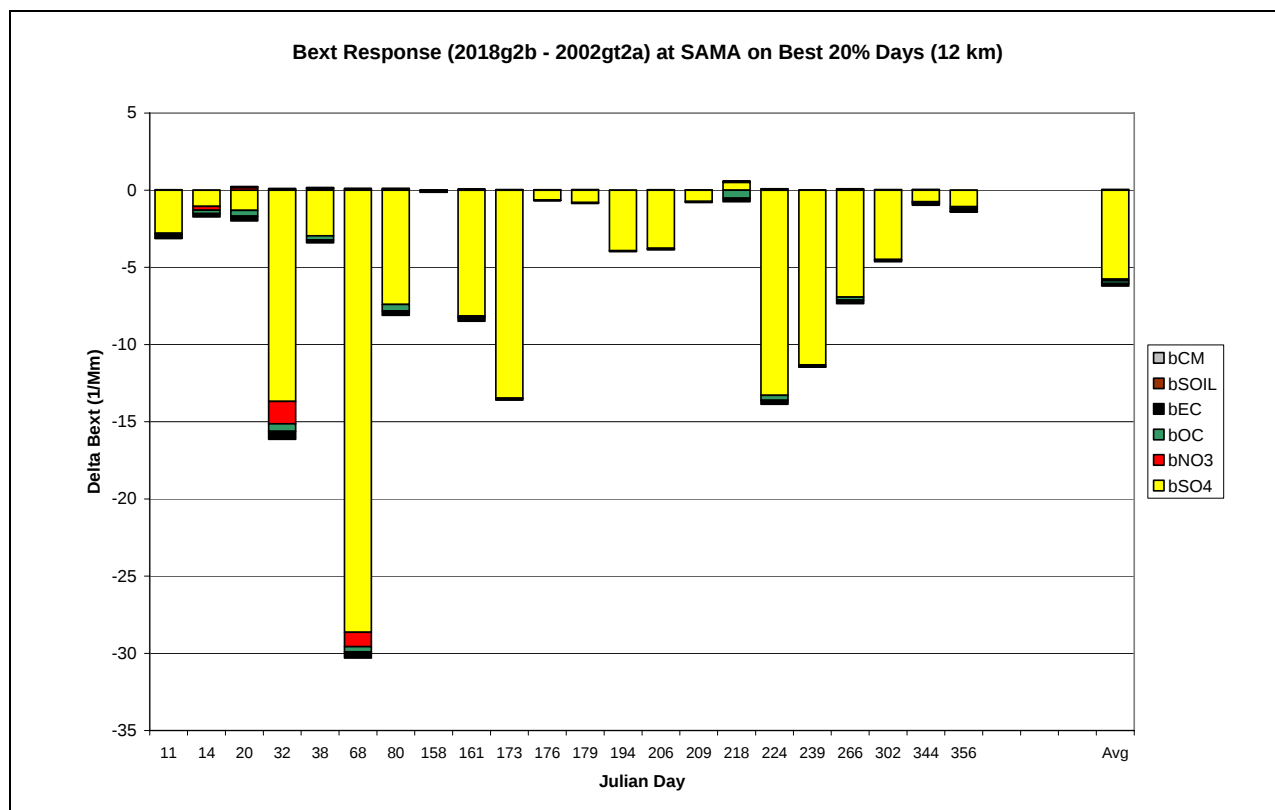


Figure F-4e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for St. Marks (SAMA), Florida and Best 20% (B20%) days in 2002.

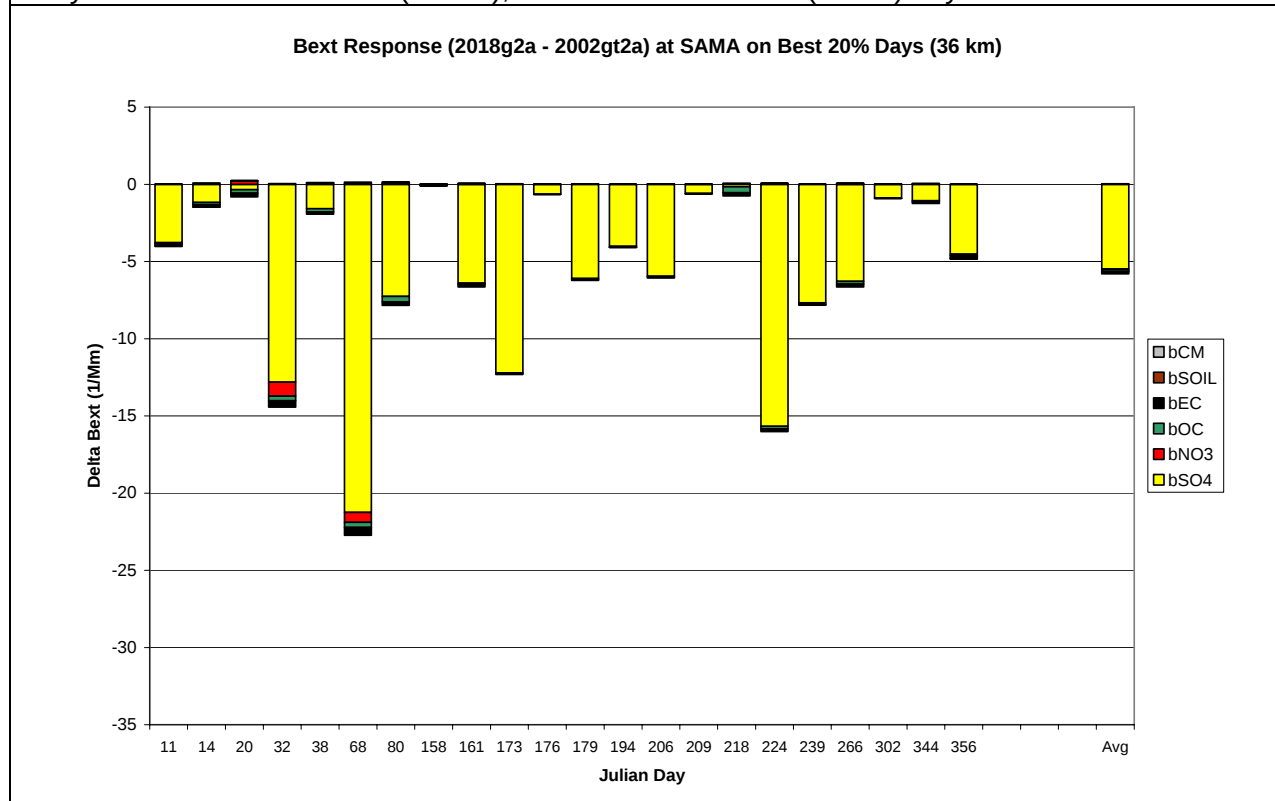


Figure F-4f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for St. Marks (SAMA), Florida and Best 20% (B20%) days in 2002.

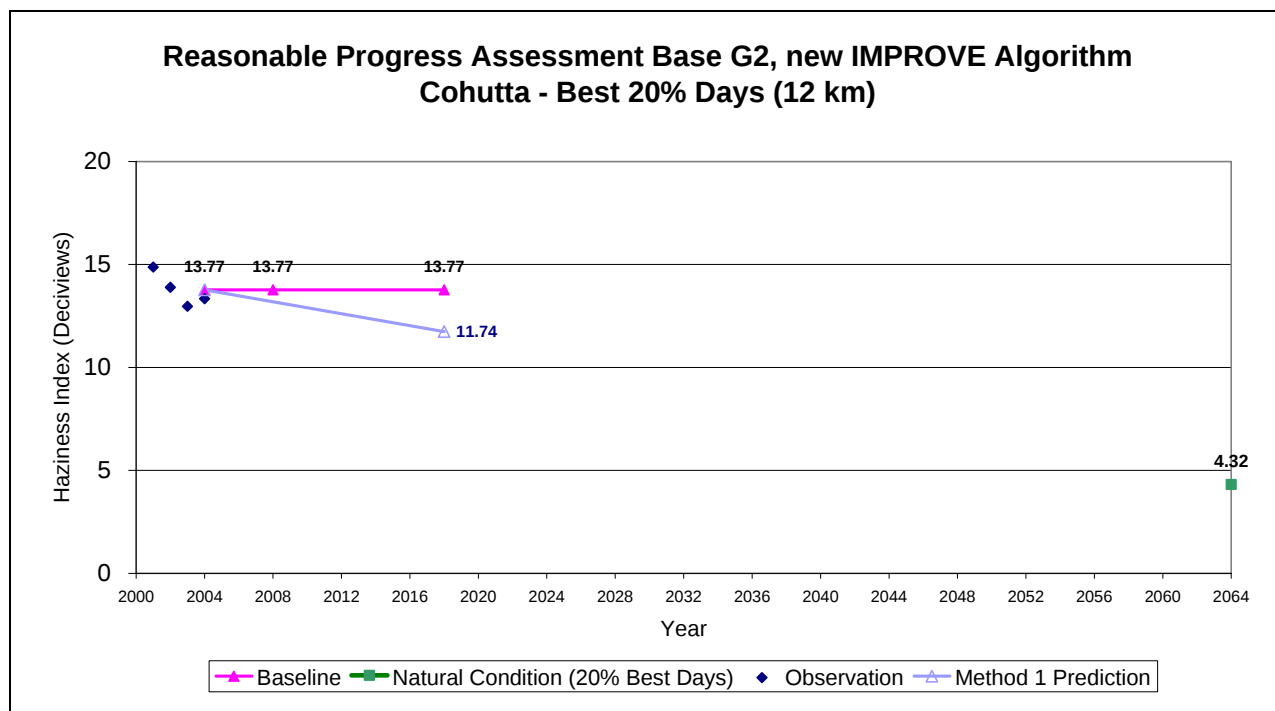


Figure F-5a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Cohutta (COHU), Georgia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

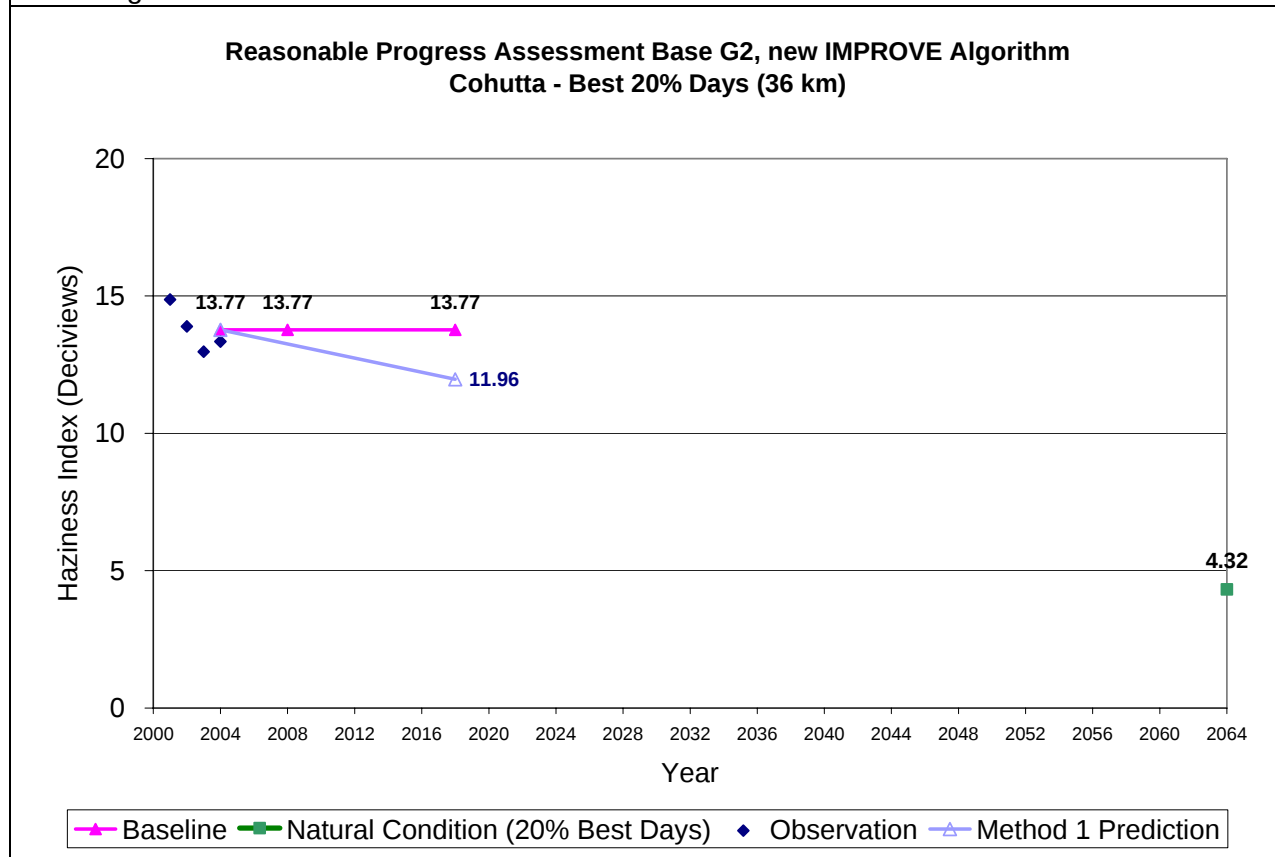


Figure F-5b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Cohutta (COHU), Georgia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

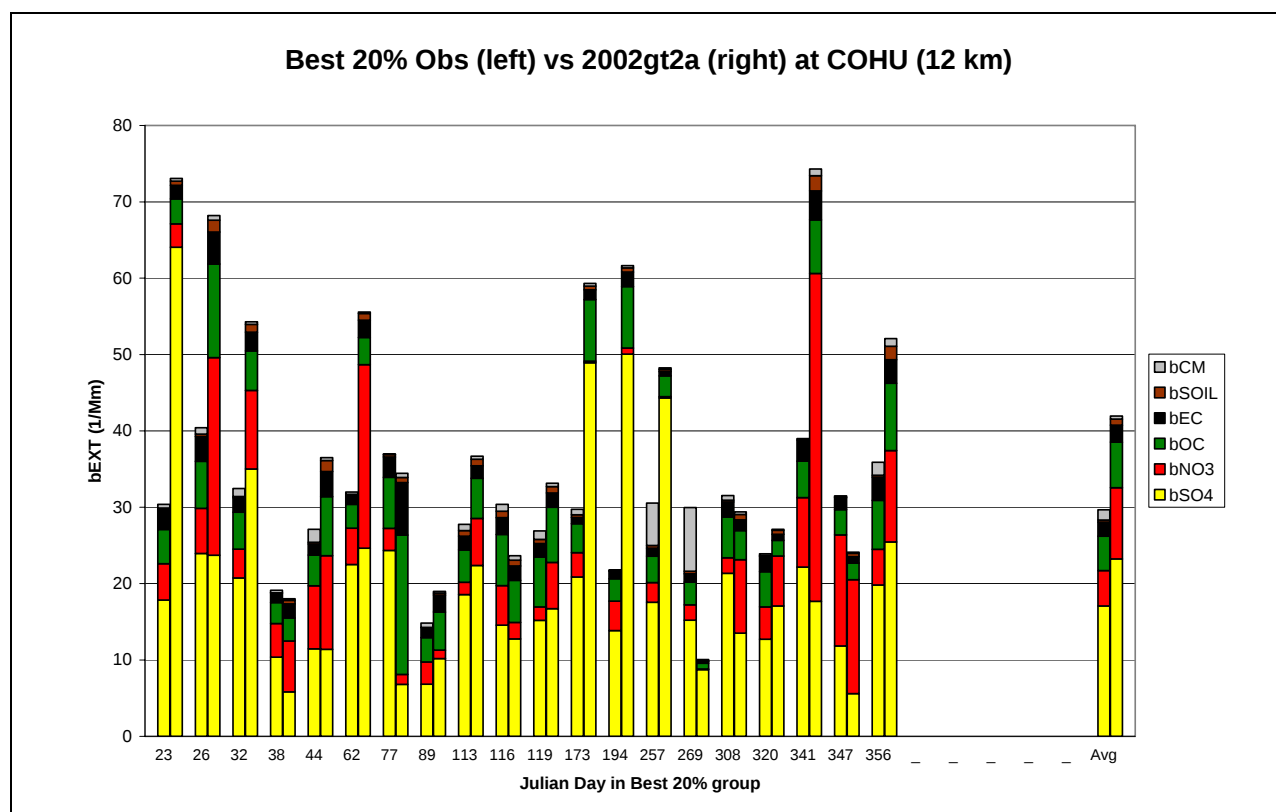


Figure F-5c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Cohutta (COHU), Georgia and Best 20% (B20%) days in 2002.

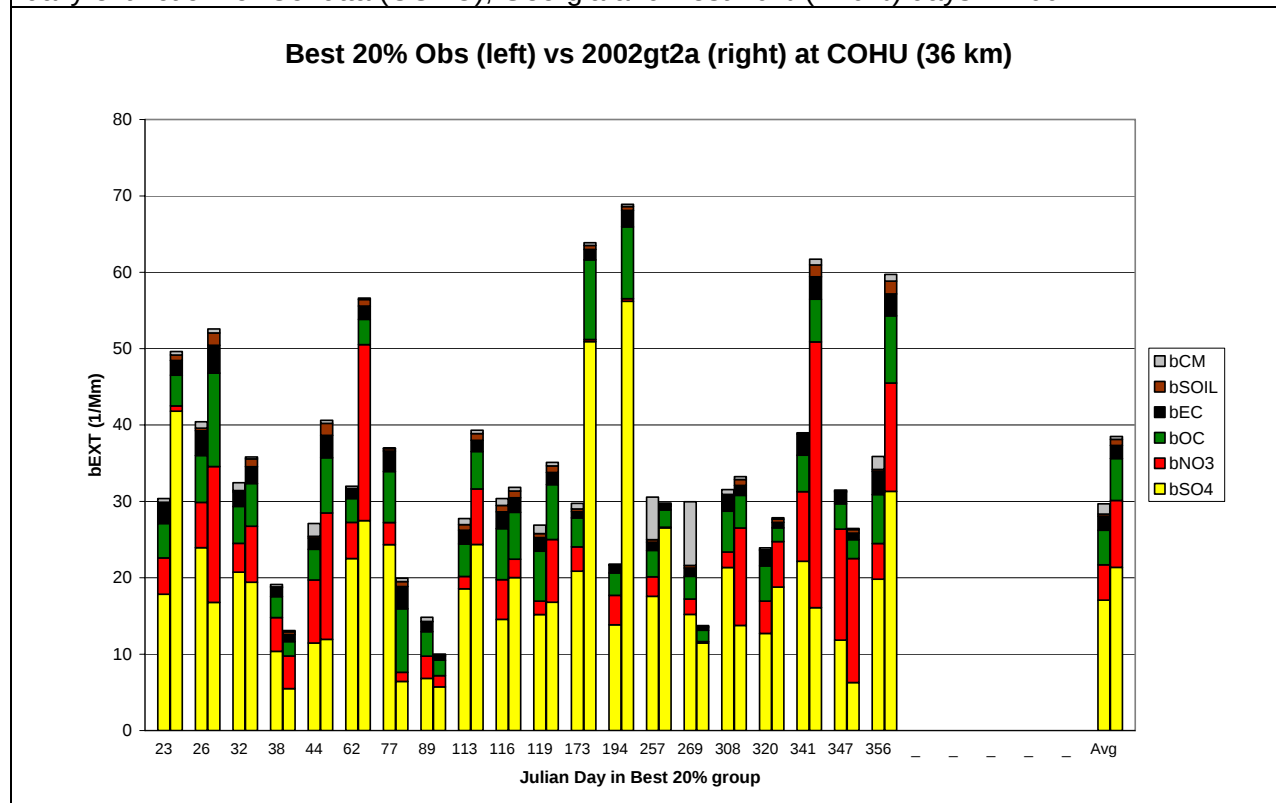


Figure F-5d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Cohutta (COHU), Georgia and Best 20% (B20%) days in 2002.

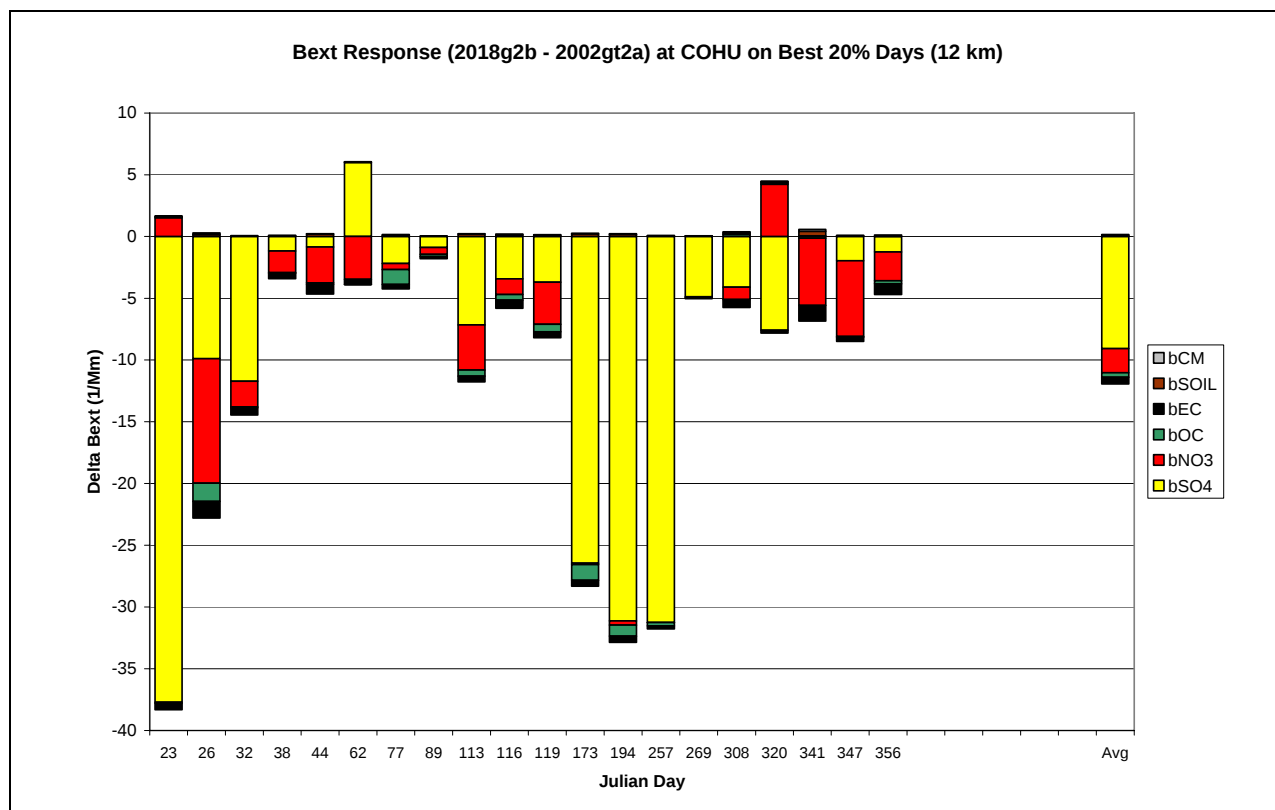


Figure F-5e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Cohutta (COHU), Georgia and Best 20% (B20%) days in 2002.

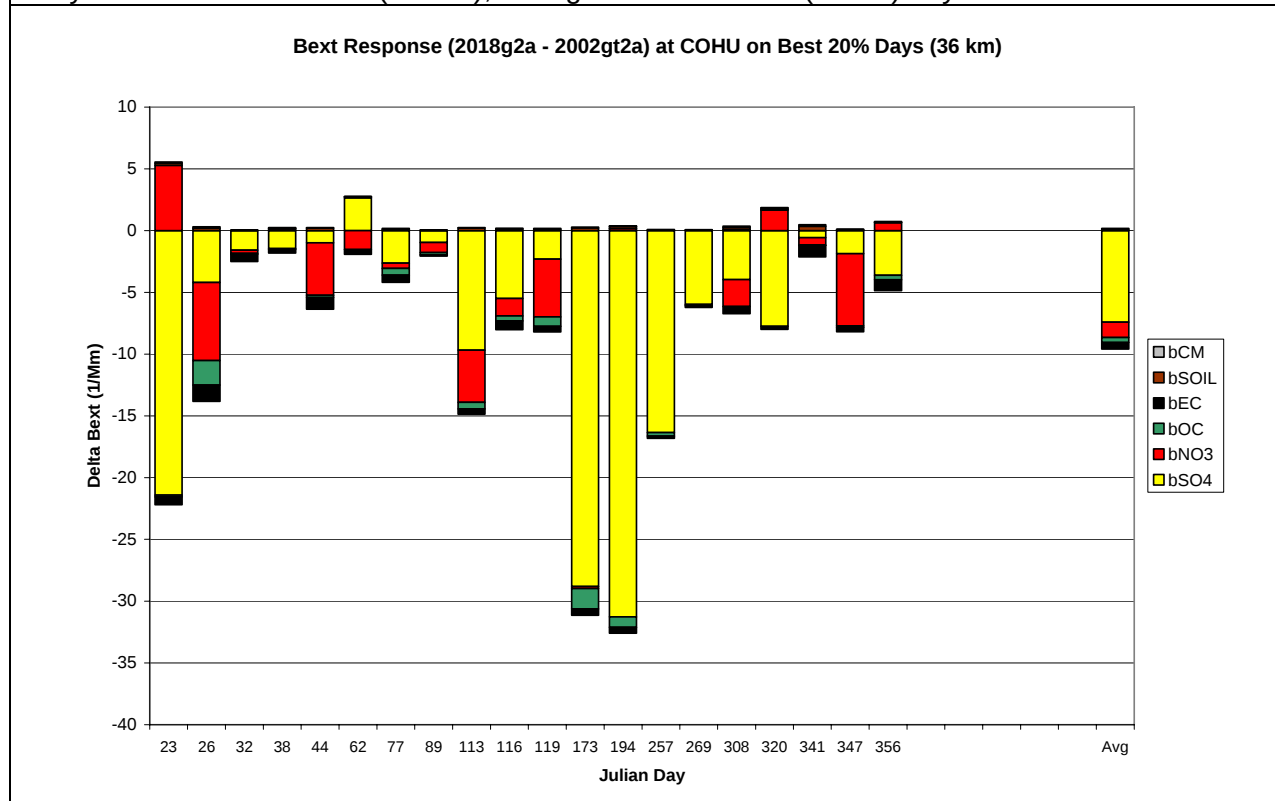


Figure F-5f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Cohutta (COHU), Georgia and Best 20% (B20%) days in 2002.

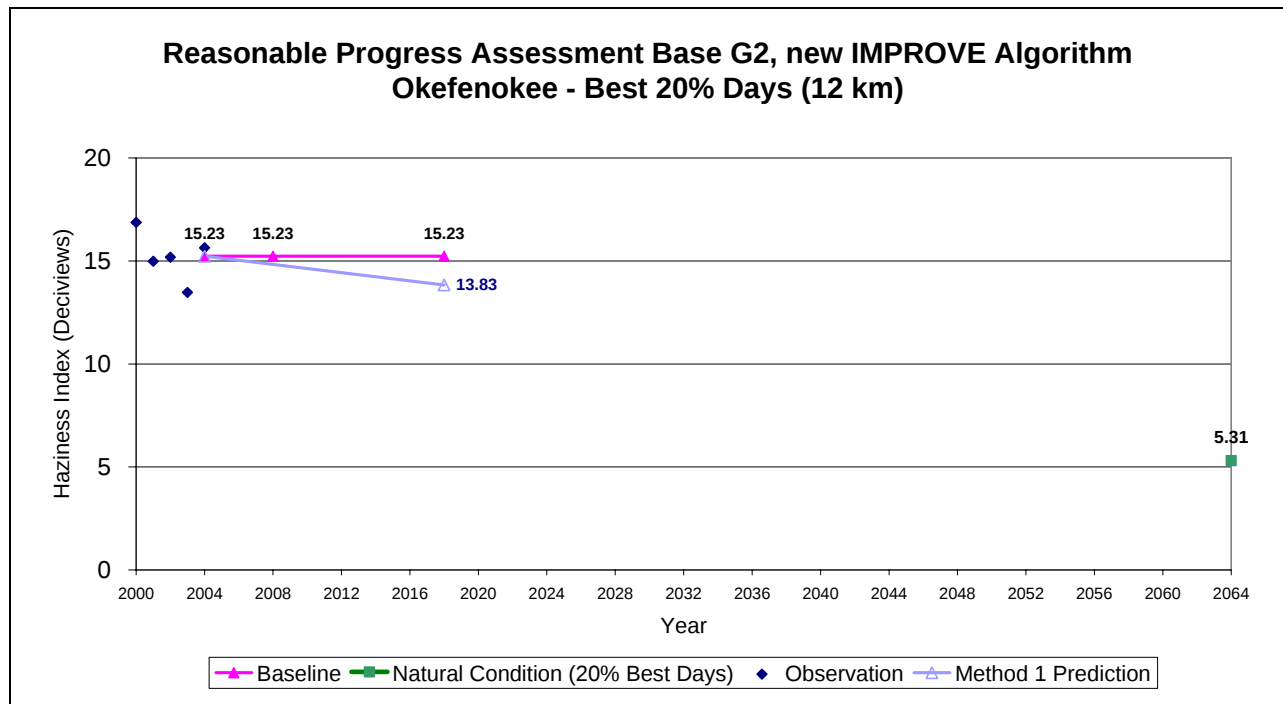


Figure F-6a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Okefenokee (OKEF), Georgia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

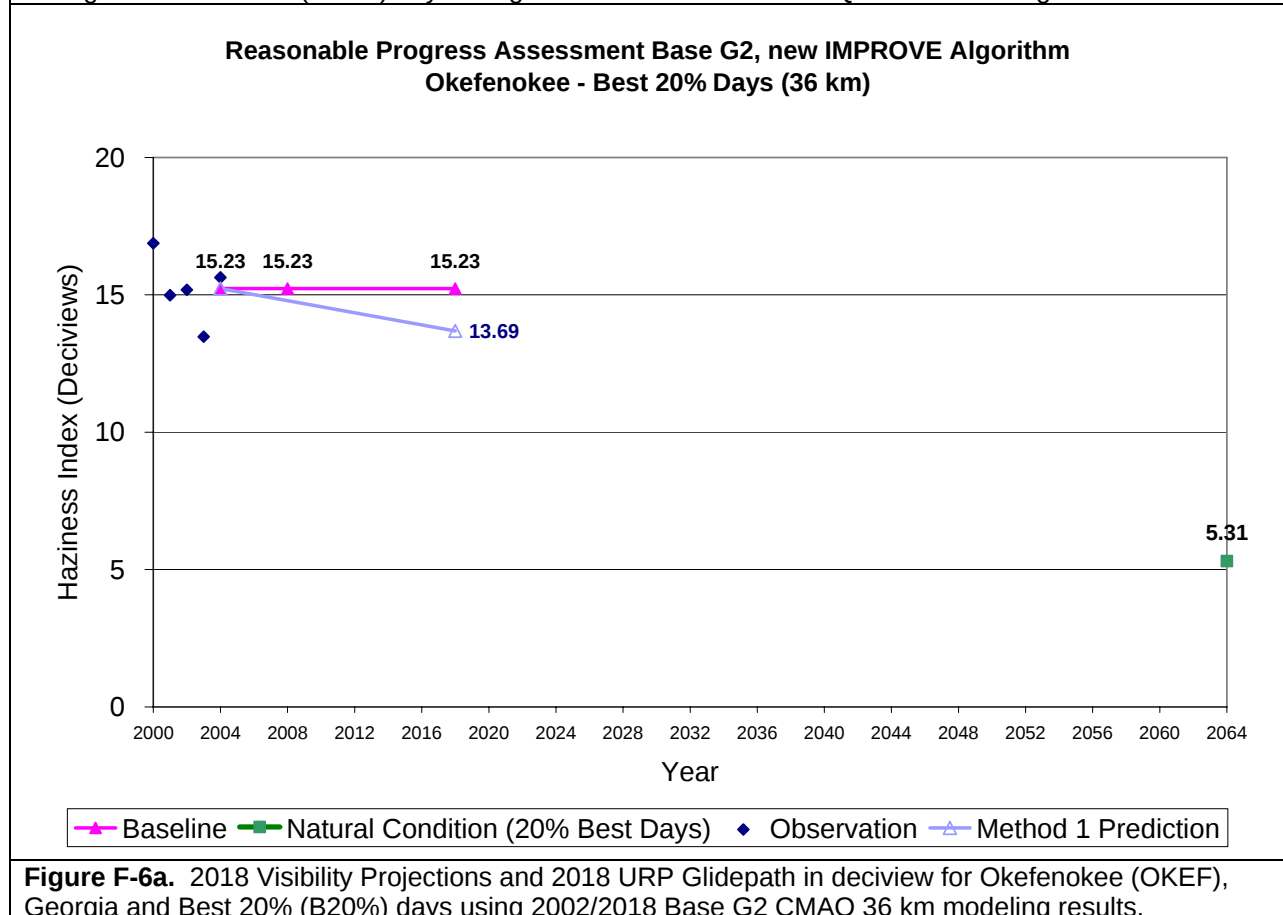


Figure F-6a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Okefenokee (OKEF), Georgia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

Best 20% Obs (left) vs 2002gt2a (right) at OKEF (12 km)

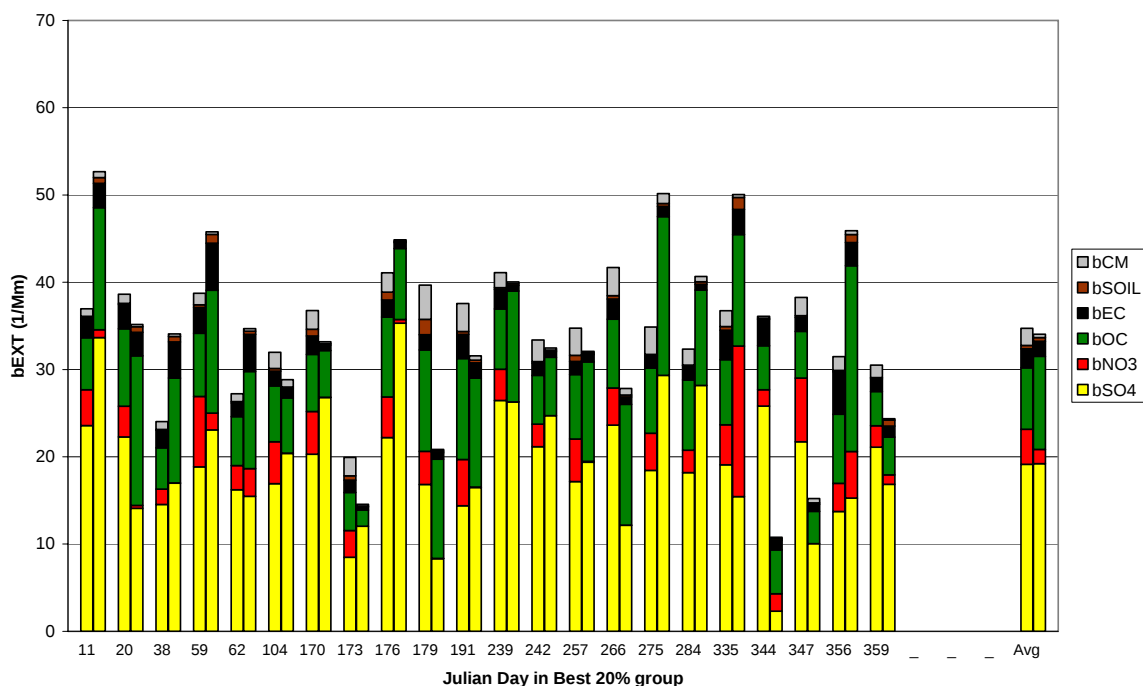


Figure F-6c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Okefenokee (OKEF), Georgia and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at OKEF (36 km)

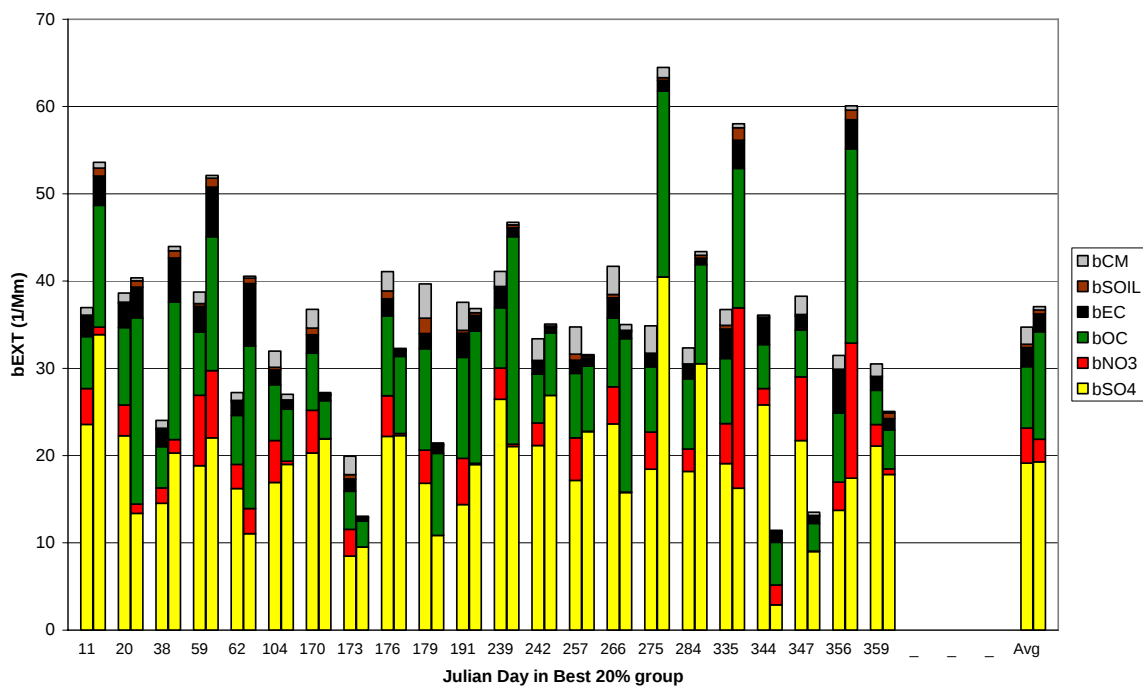


Figure F-6d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Okefenokee (OKEF), Georgia and Best 20% (B20%) days in 2002.

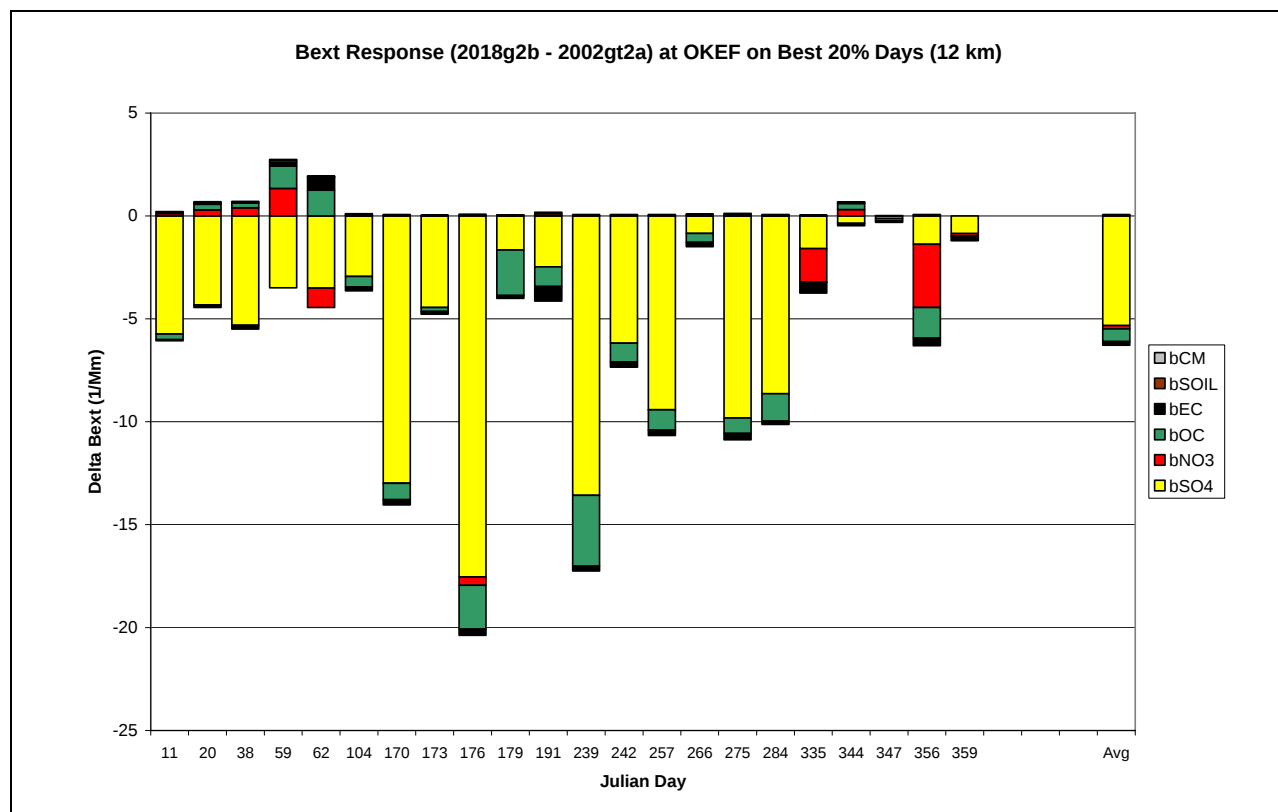


Figure F-6e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Okefenokee (OKEF), Georgia and Best 20% (B20%) days in 2002.

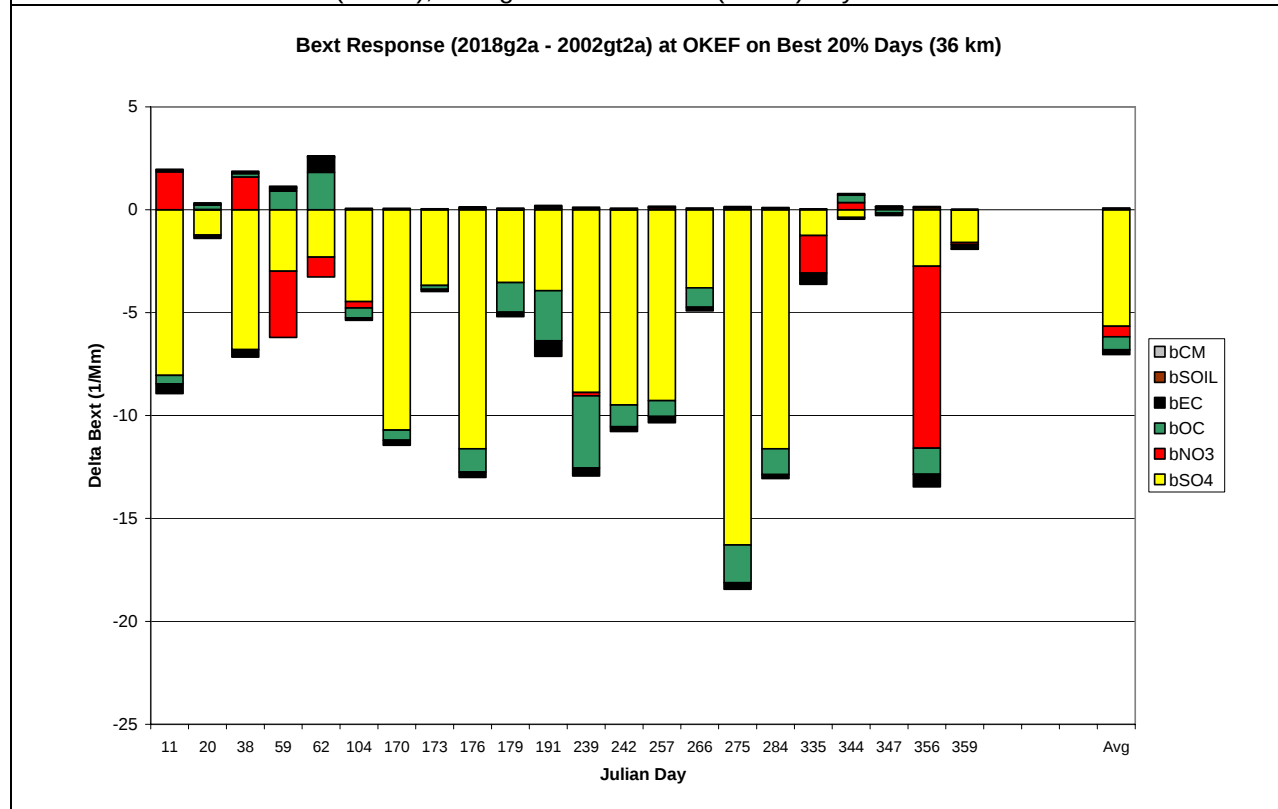


Figure F-6f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Okefenokee (OKEF), Georgia and Best 20% (B20%) days in 2002.

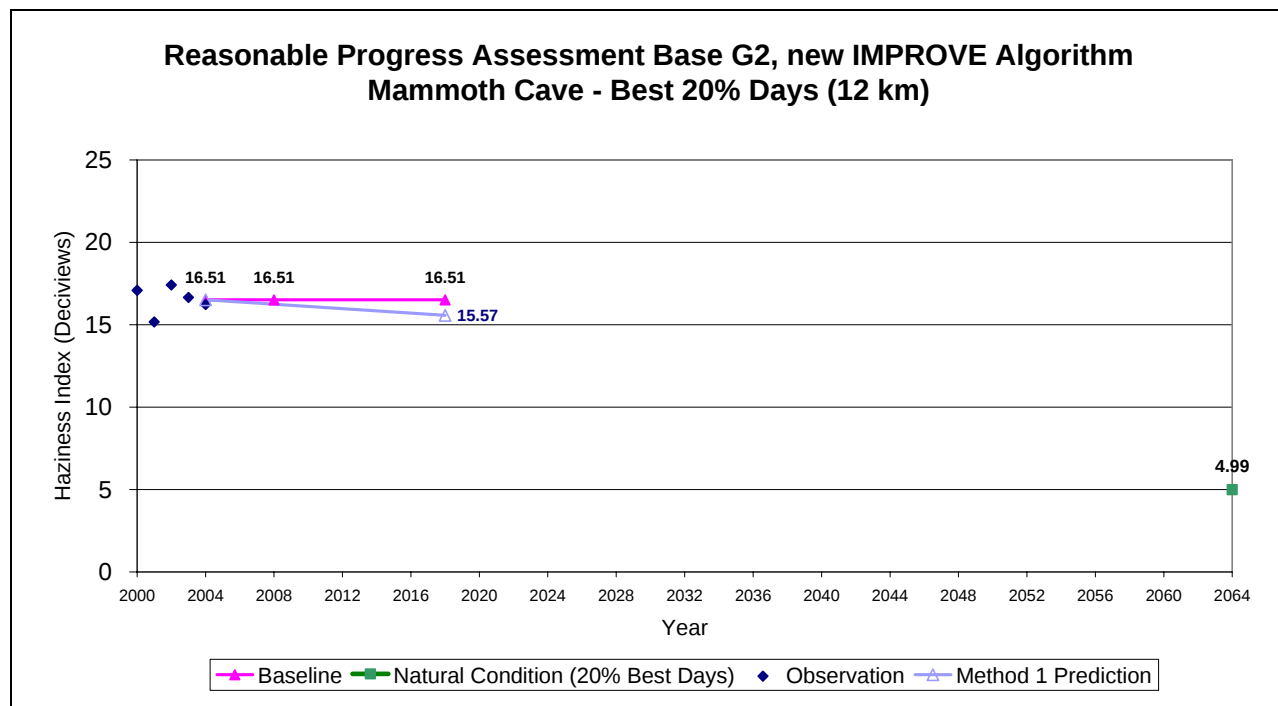


Figure F-7a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Mammoth Cave (MACA), Kentucky and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

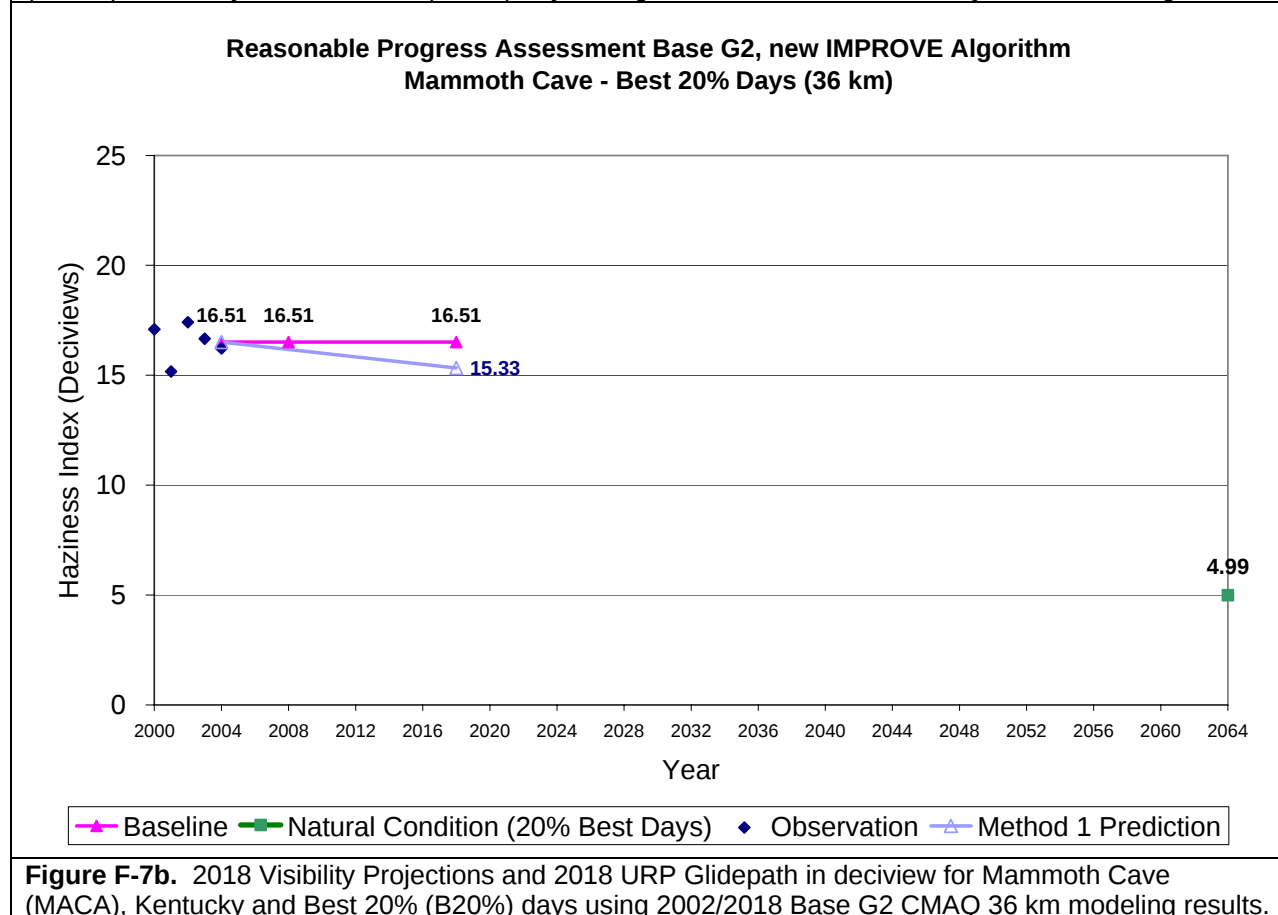


Figure F-7b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Mammoth Cave (MACA), Kentucky and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

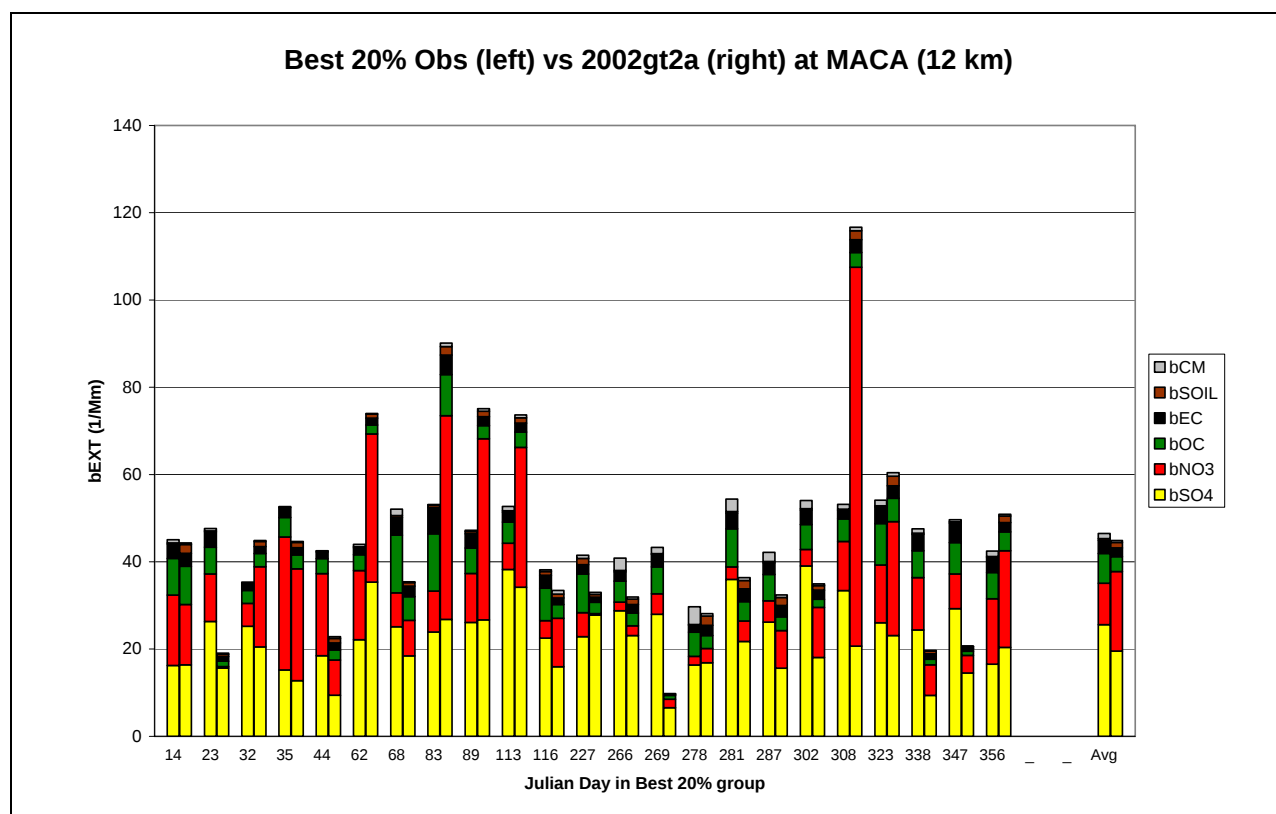


Figure F-7c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Mammoth Cave (MACA), Kentucky and Best 20% (B20%) days in 2002.

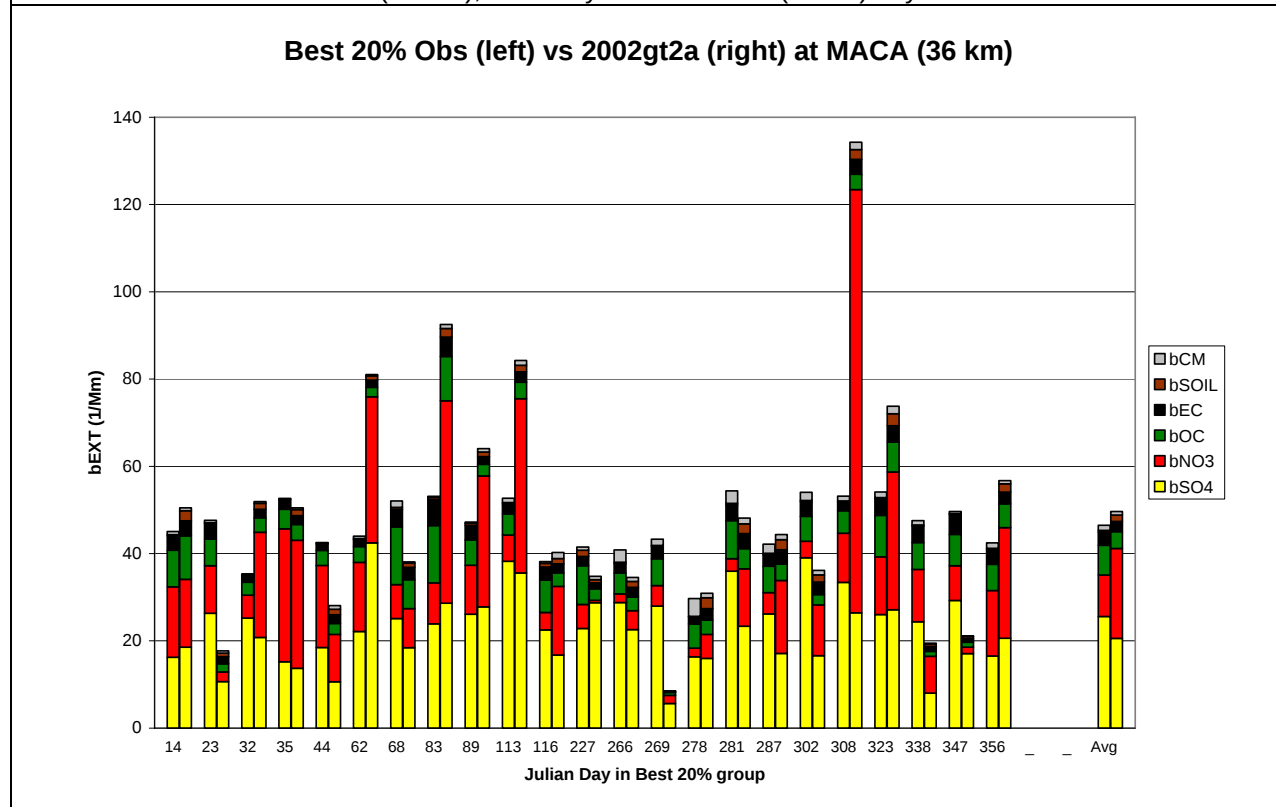


Figure F-7d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Mammoth Cave (MACA), Kentucky and Best 20% (B20%) days in 2002.

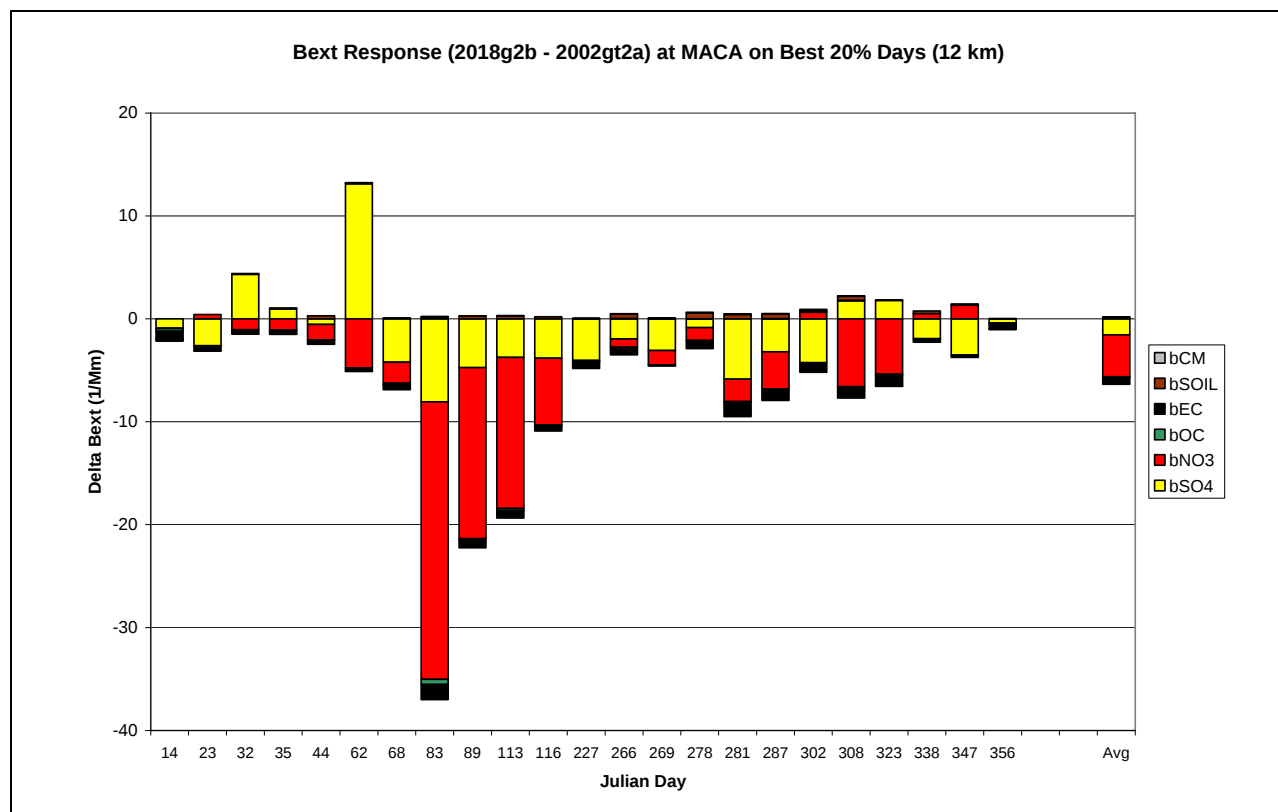


Figure F-7d. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Mammoth Cave (MACA), Kentucky and Best 20% (B20%) days in 2002.

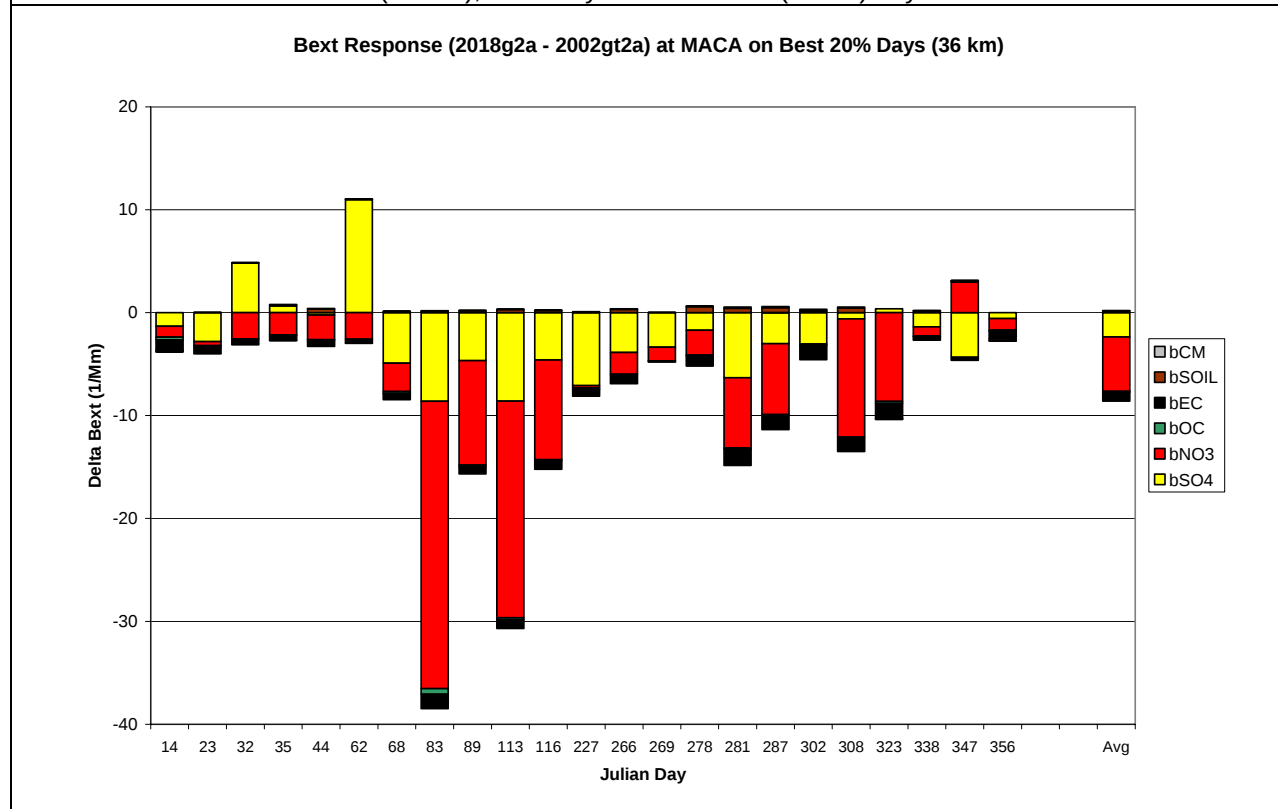


Figure F-7e. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Mammoth Cave (MACA), Kentucky and Best 20% (B20%) days in 2002.

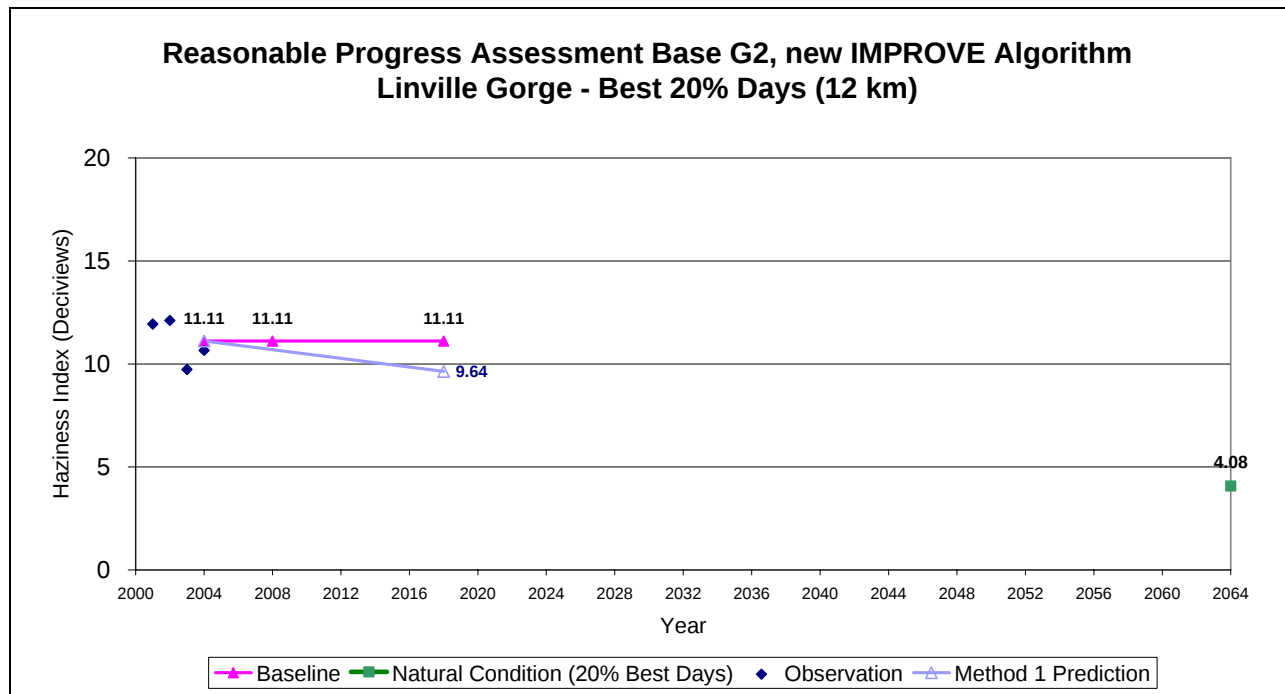


Figure F-8a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Linville Gorge (LIGO), North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

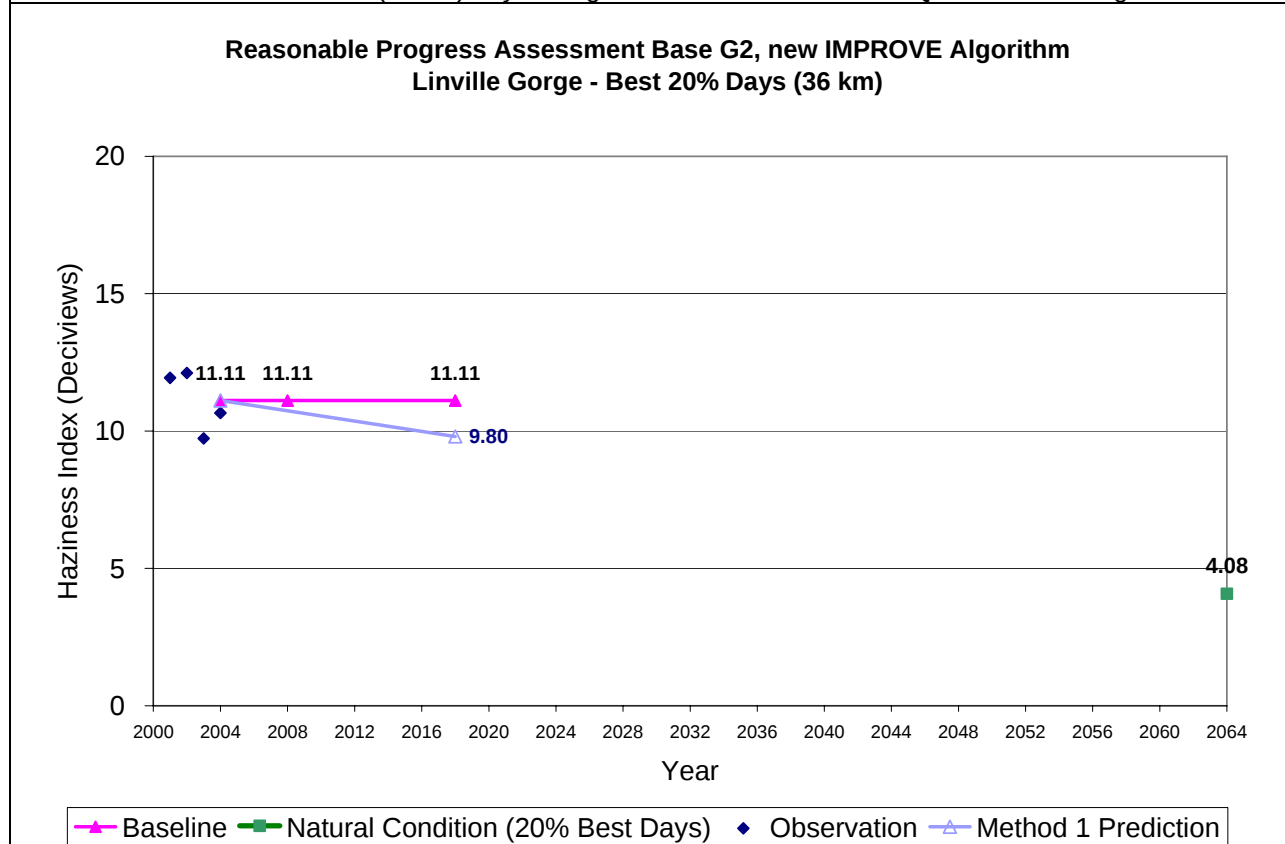


Figure F-8b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Linville Gorge (LIGO), North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results..

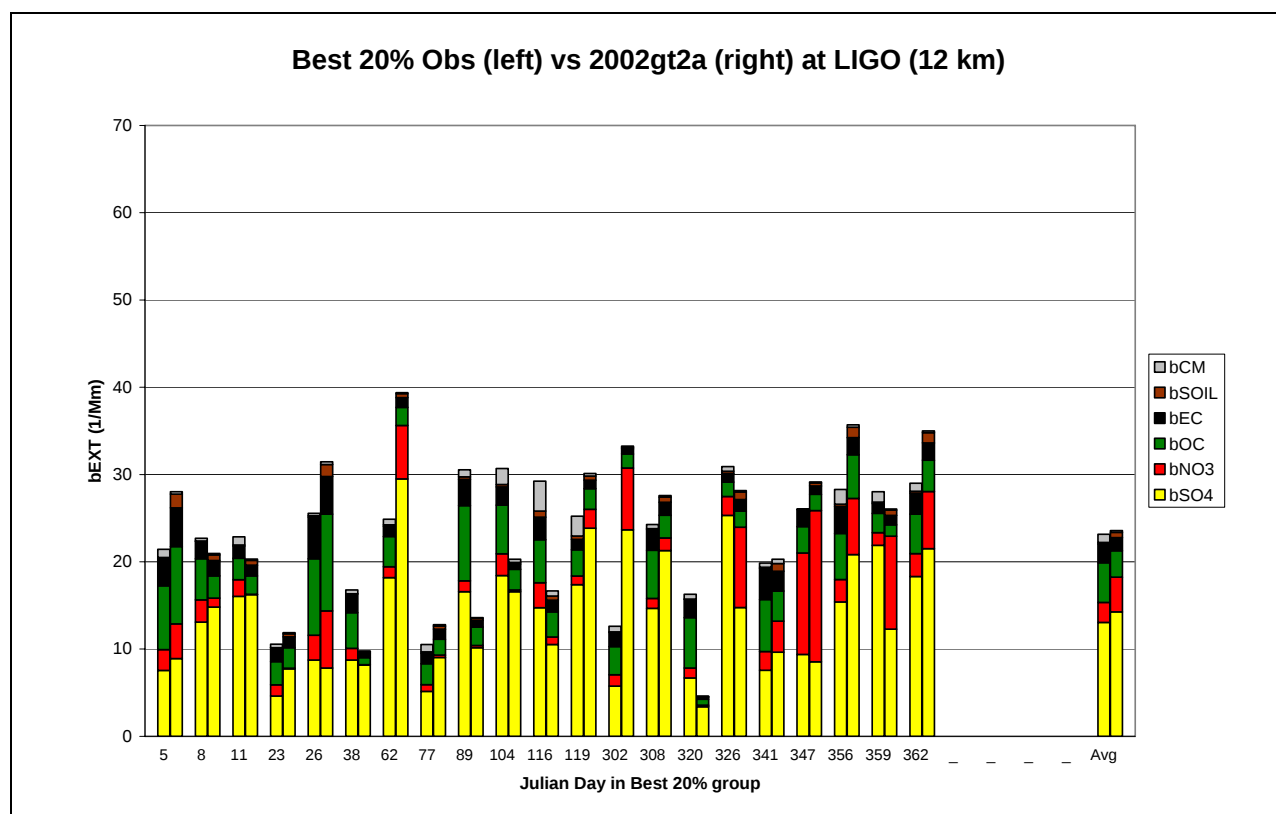


Figure F-8c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Linville Gorge (LIGO), North Carolina and Best 20% (B20%) days in 2002.

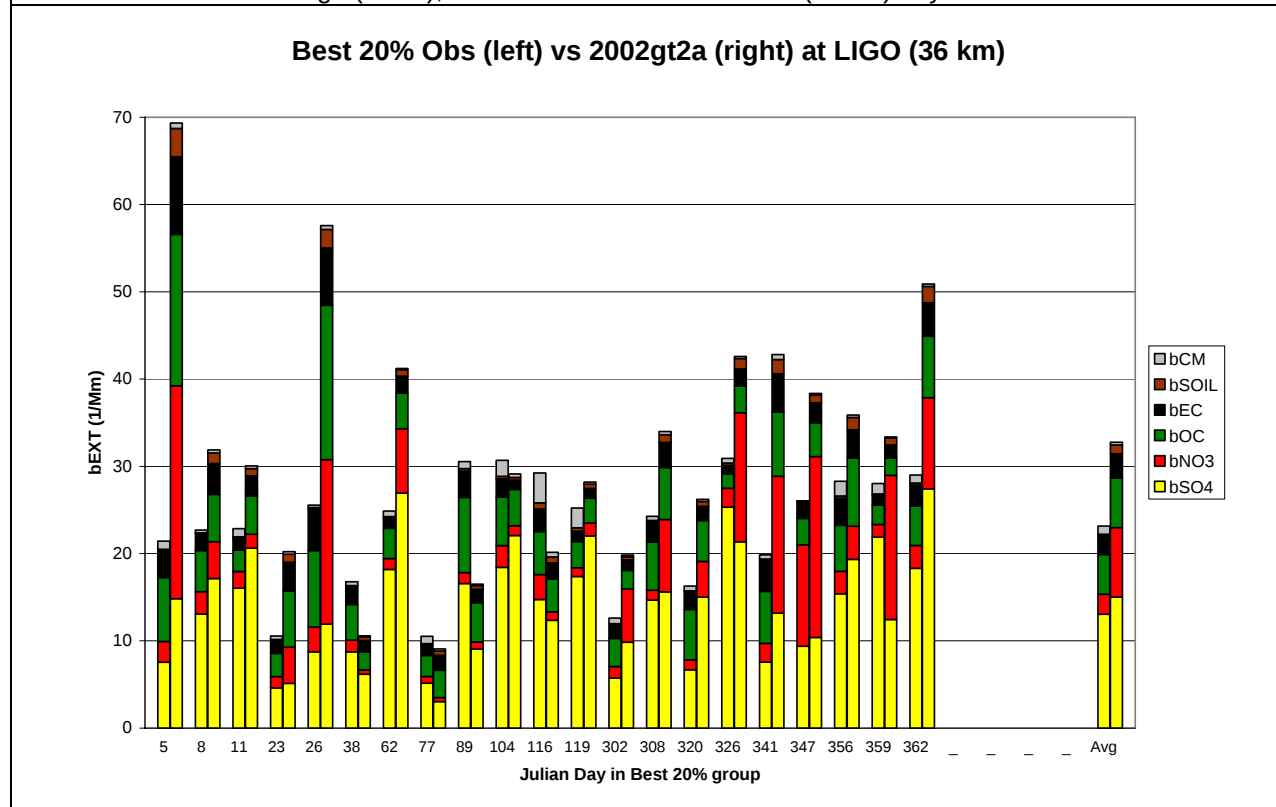


Figure F-8d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Linville Gorge (LIGO), North Carolina and Best 20% (B20%) days in 2002.

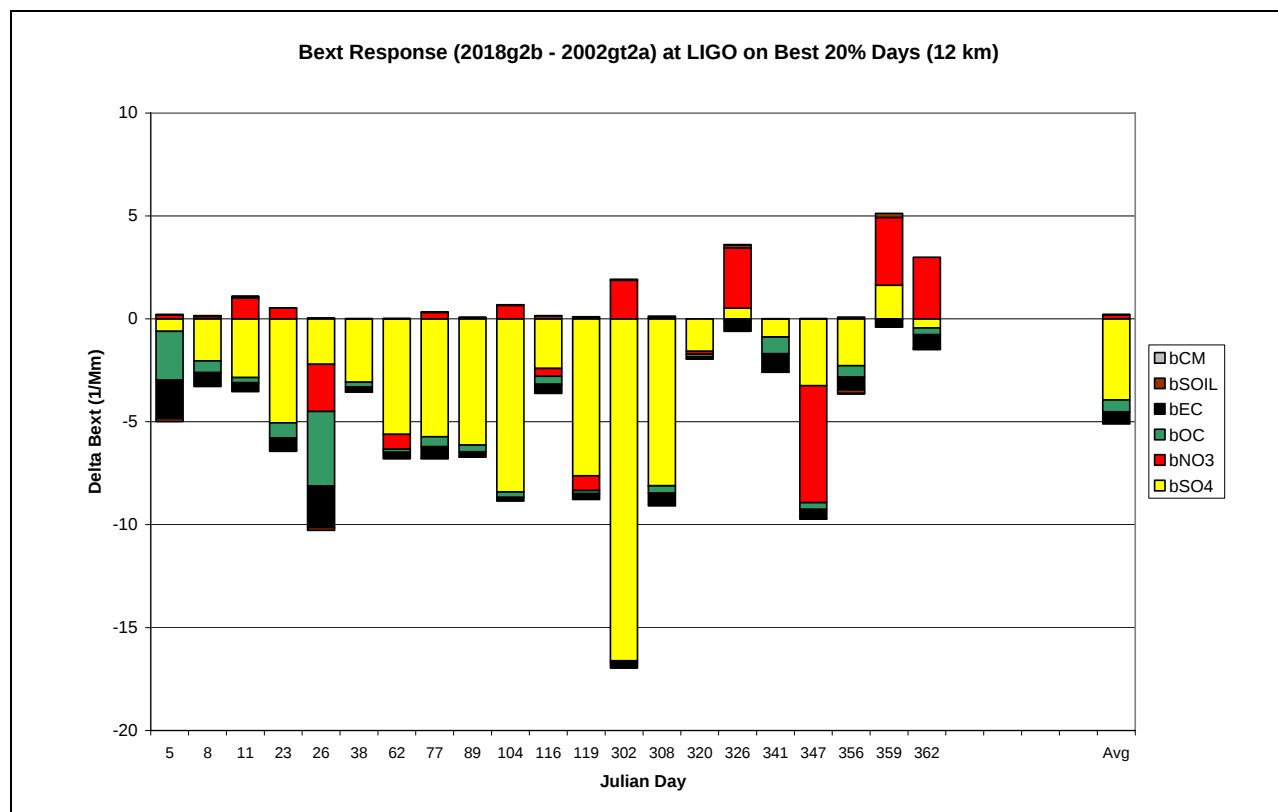


Figure F-8e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Linville Gorge (LIGO), North Carolina and Best 20% (B20%) days in 2002.

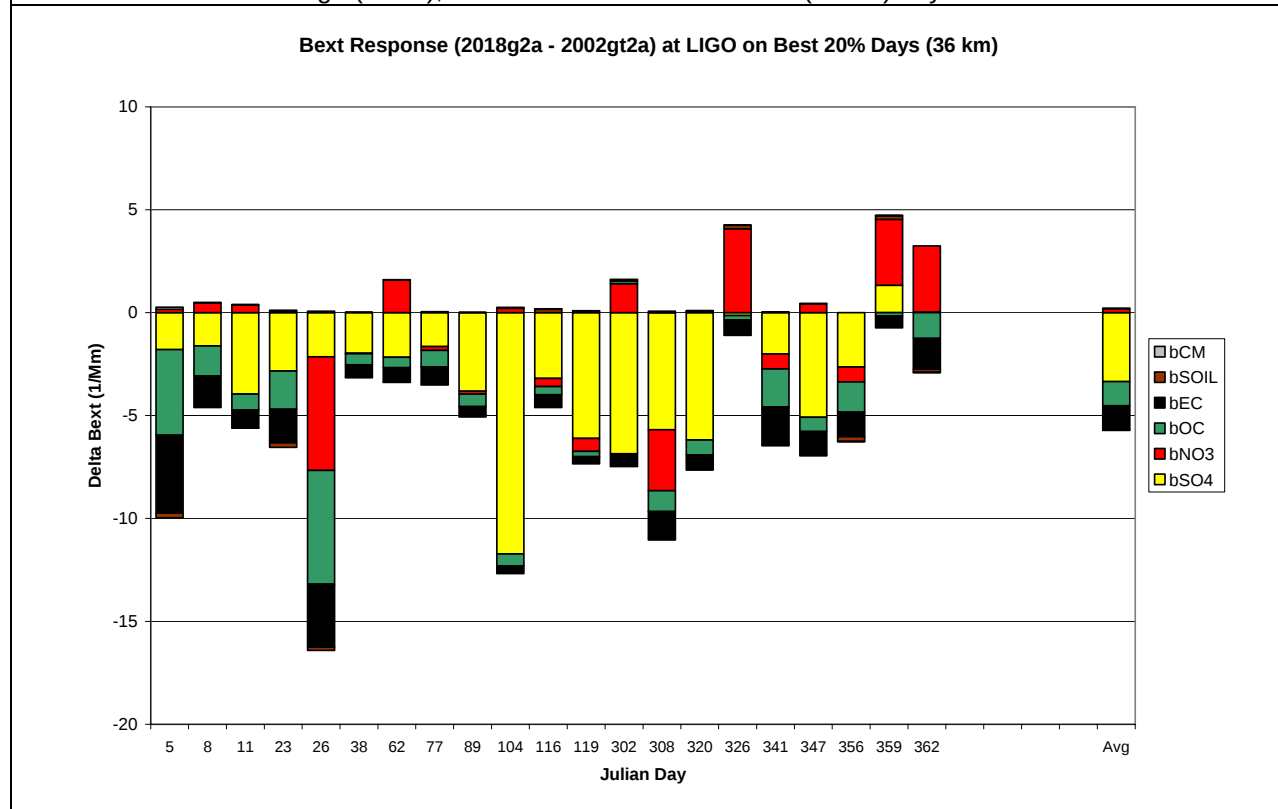


Figure F-8f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Linville Gorge (LIGO), North Carolina and Best 20% (B20%) days in 2002.

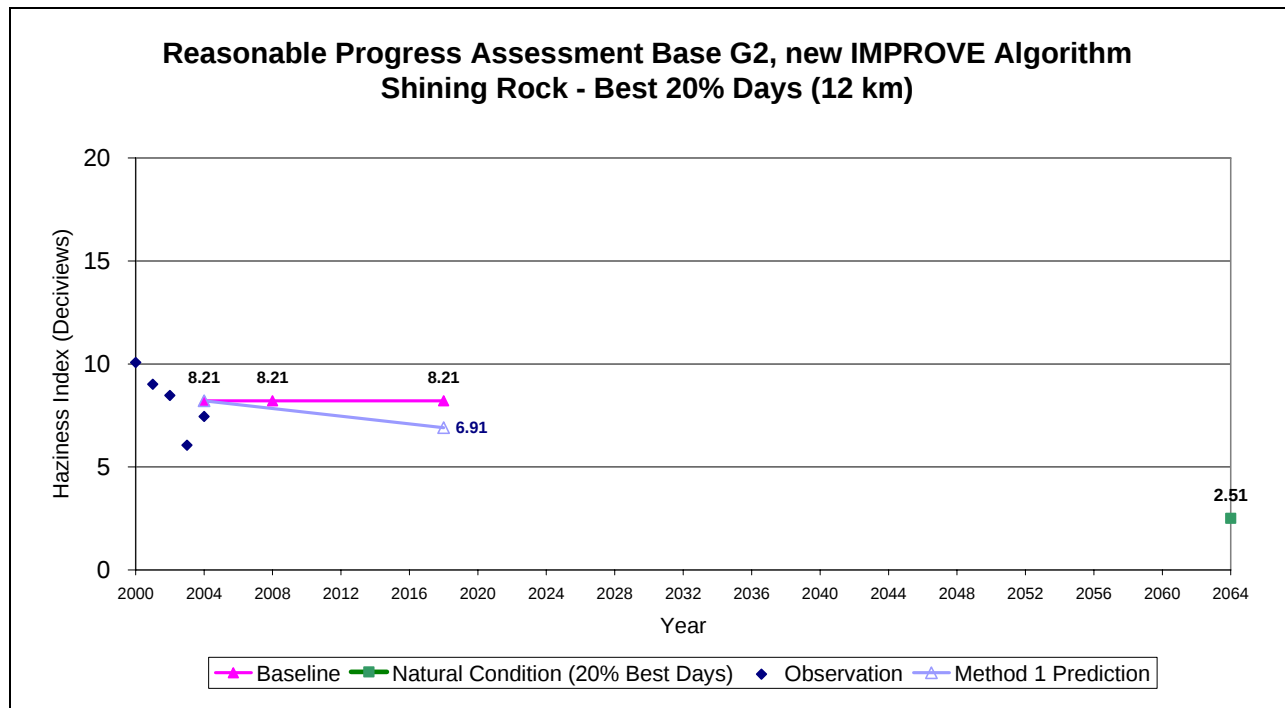


Figure F-9a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Shining Rock (SHRO), North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

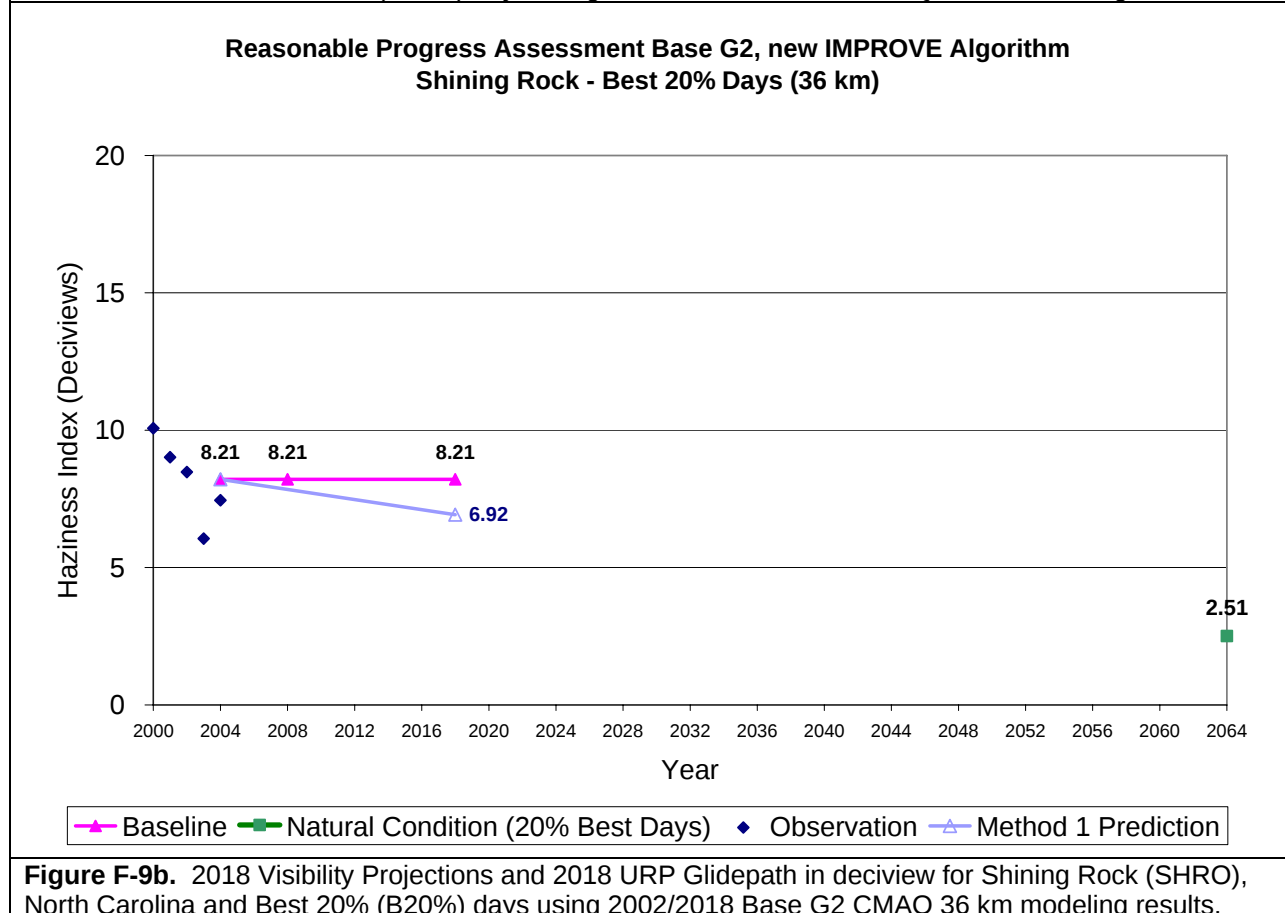


Figure F-9b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Shining Rock (SHRO), North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

Best 20% Obs (left) vs 2002gt2a (right) at SHRO (12 km)

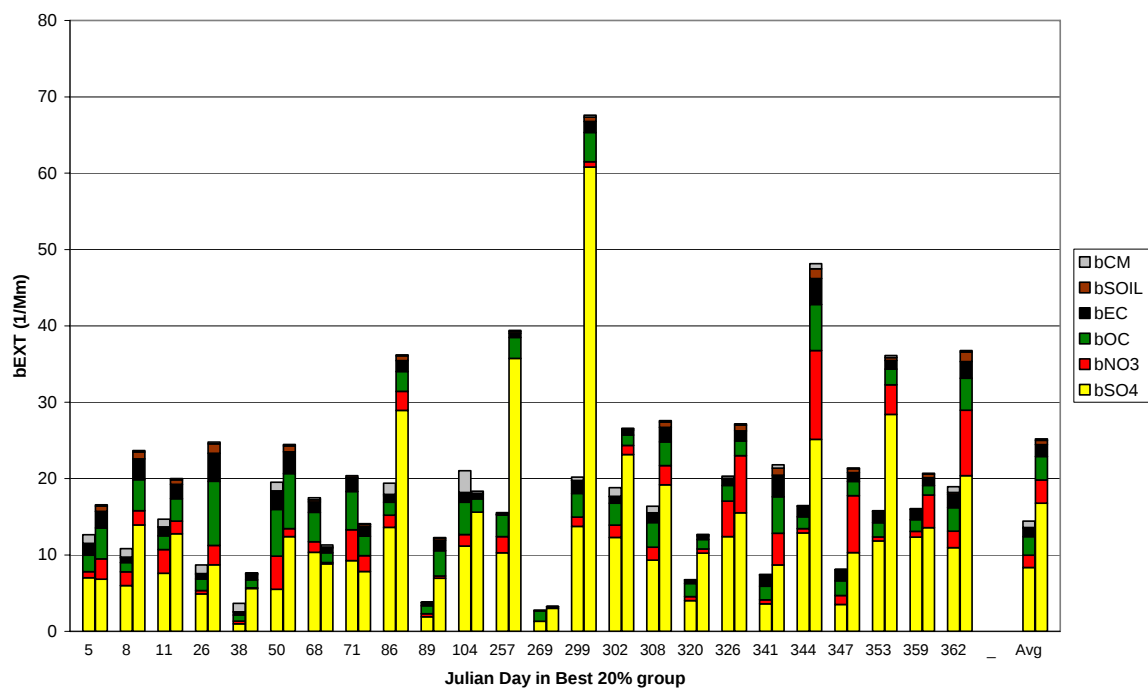


Figure F-9c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Shining Rock (SHRO), North Carolina and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at SHRO (36 km)

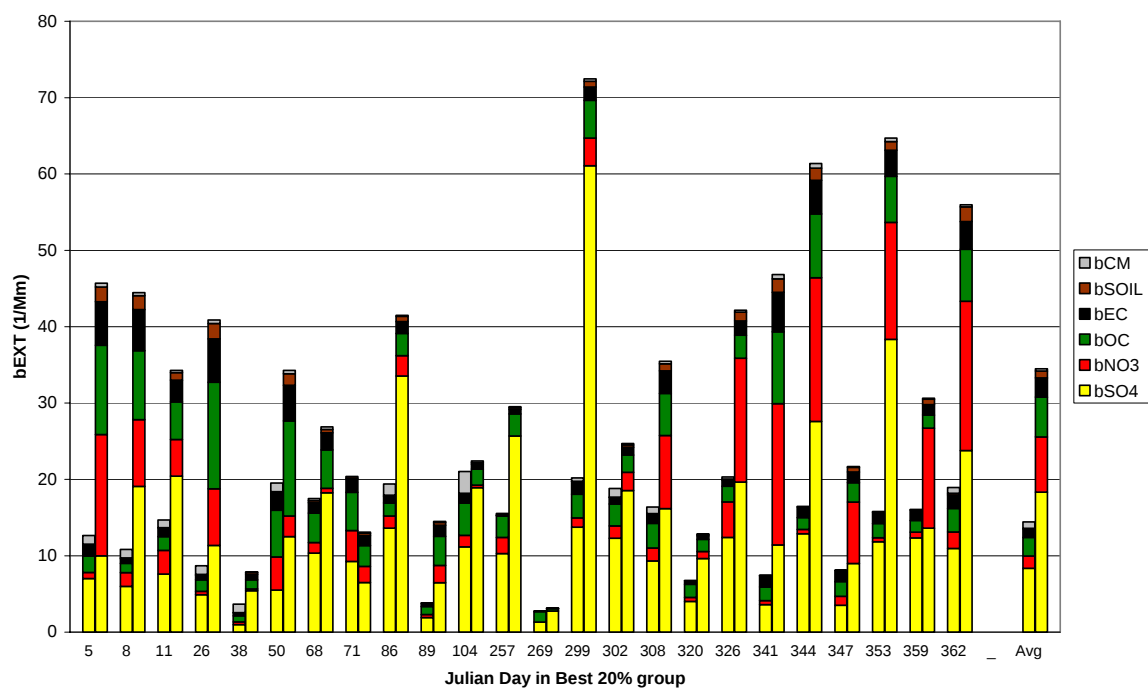


Figure F-9d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Shining Rock (SHRO), North Carolina and Best 20% (B20%) days in 2002.

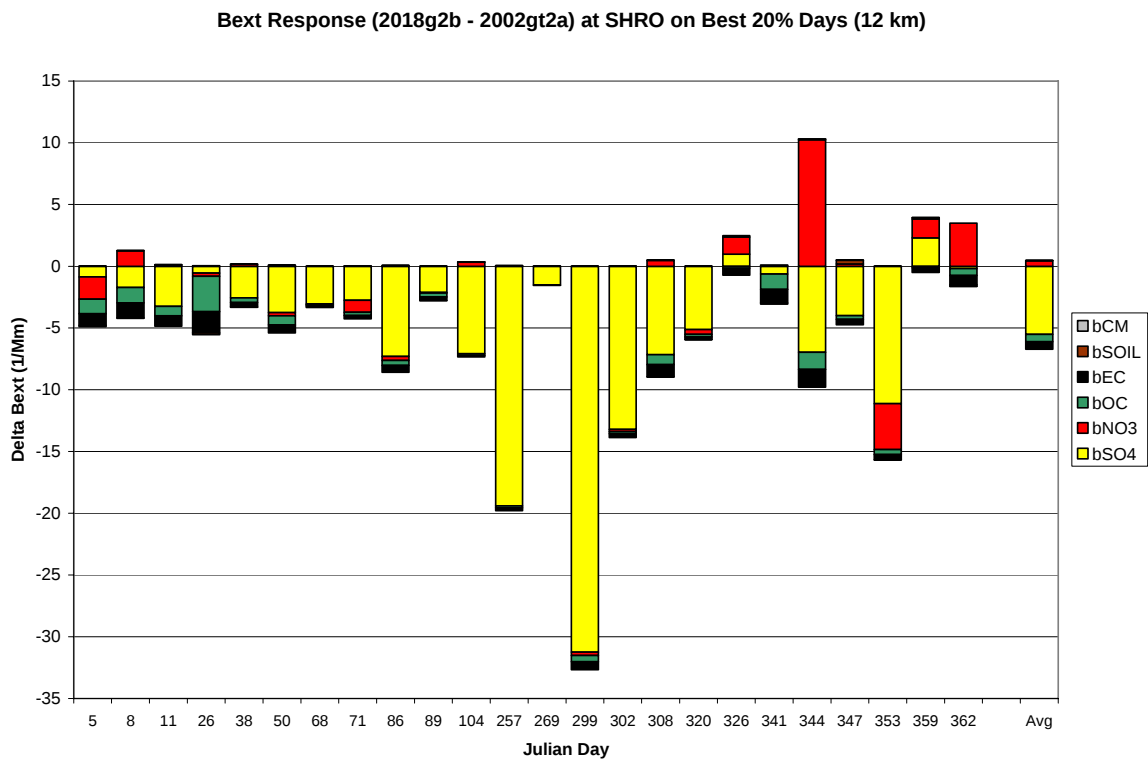


Figure F-9e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Shining Rock (SHRO), North Carolina and Best 20% (B20%) days in 2002.

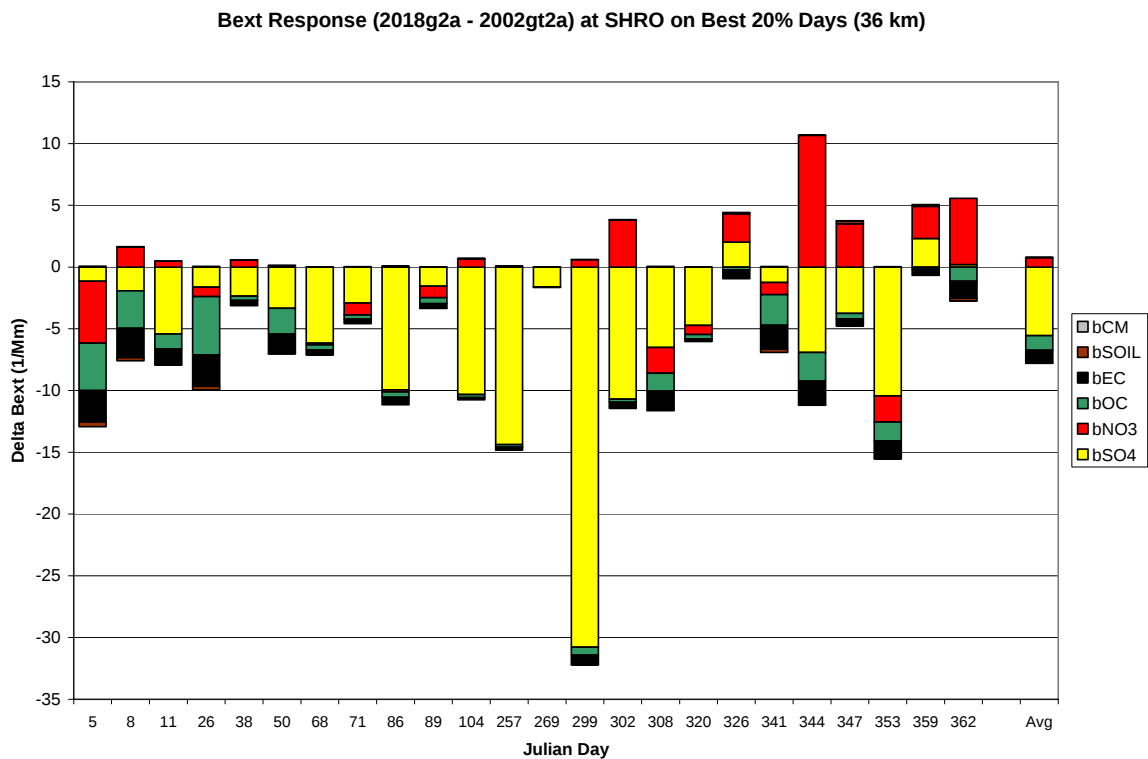


Figure F-9f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Shining Rock (SHRO), North Carolina and Best 20% (B20%) days in 2002.

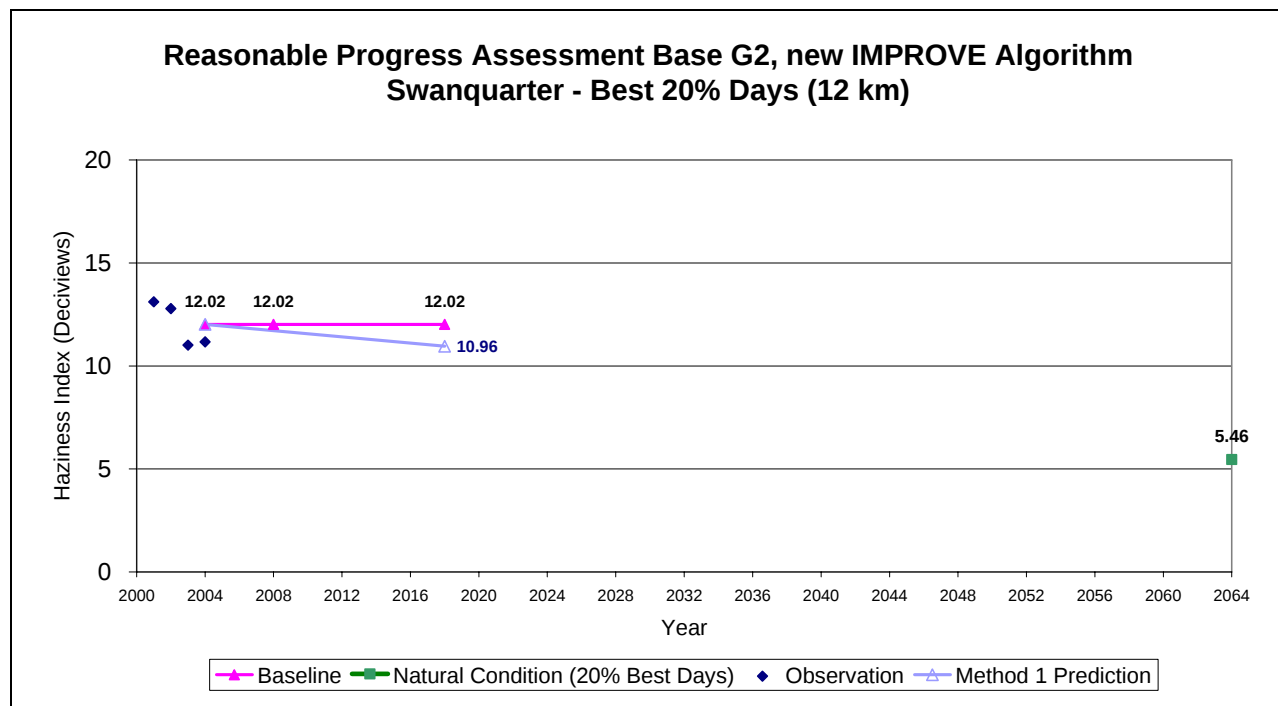


Figure F-10a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Swanquarter (SWAN), North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

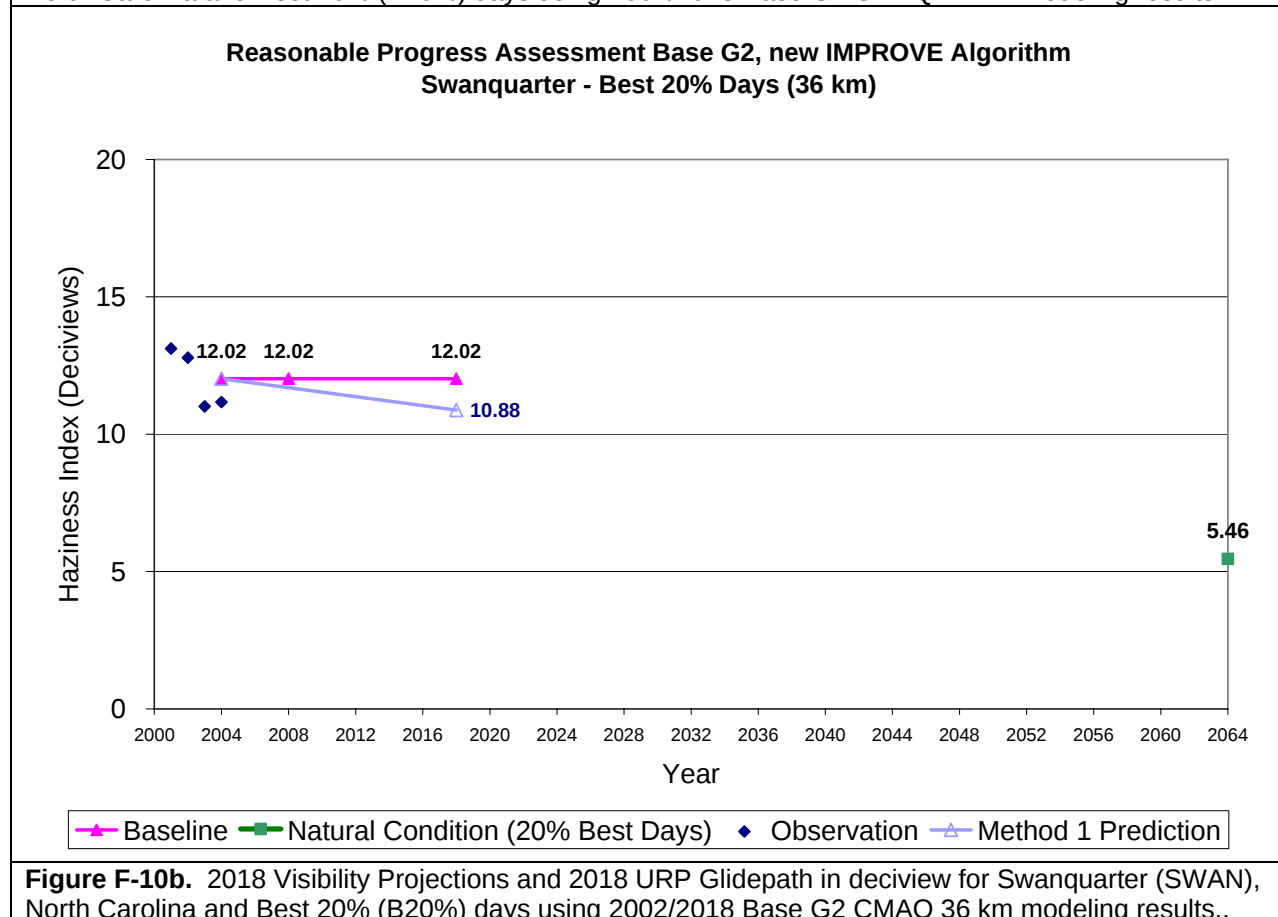


Figure F-10b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Swanquarter (SWAN), North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results..

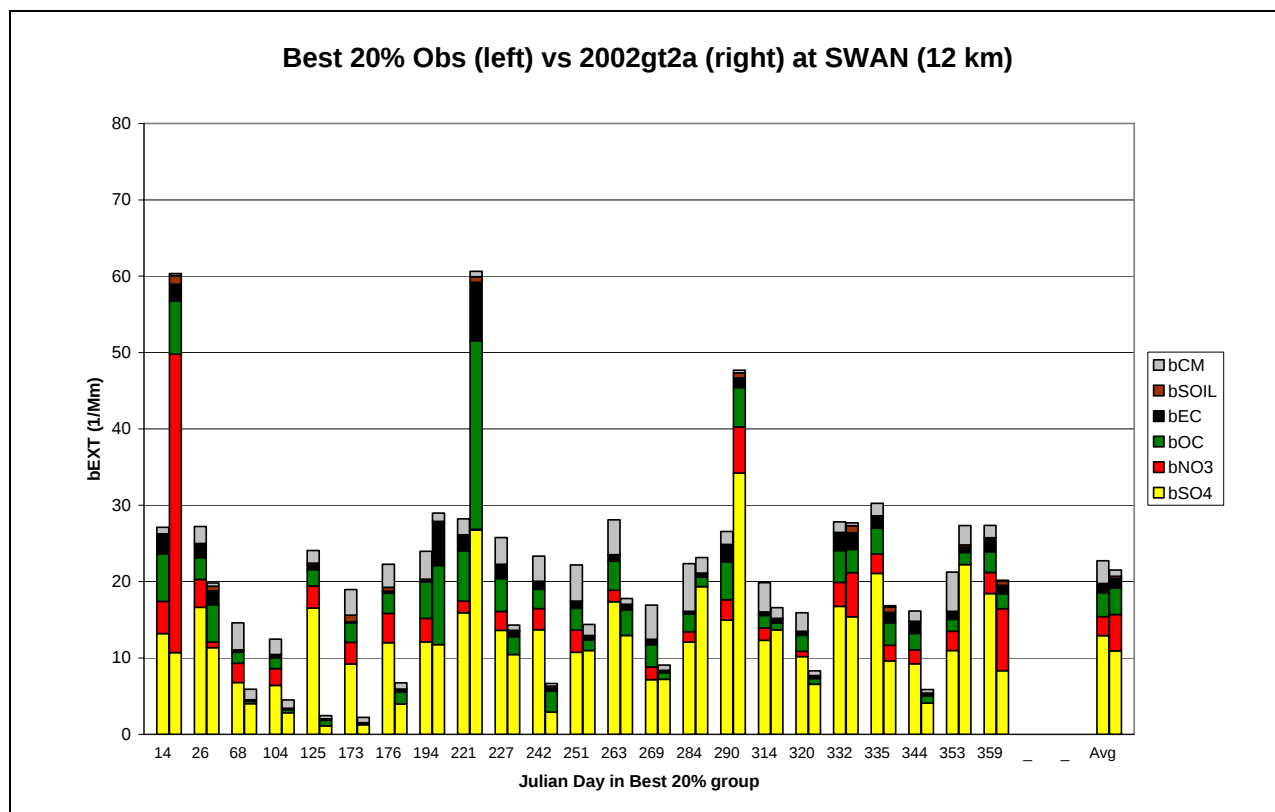


Figure F-10c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Swanquarter (SWAN), North Carolina and Best 20% (B20%) days in 2002.

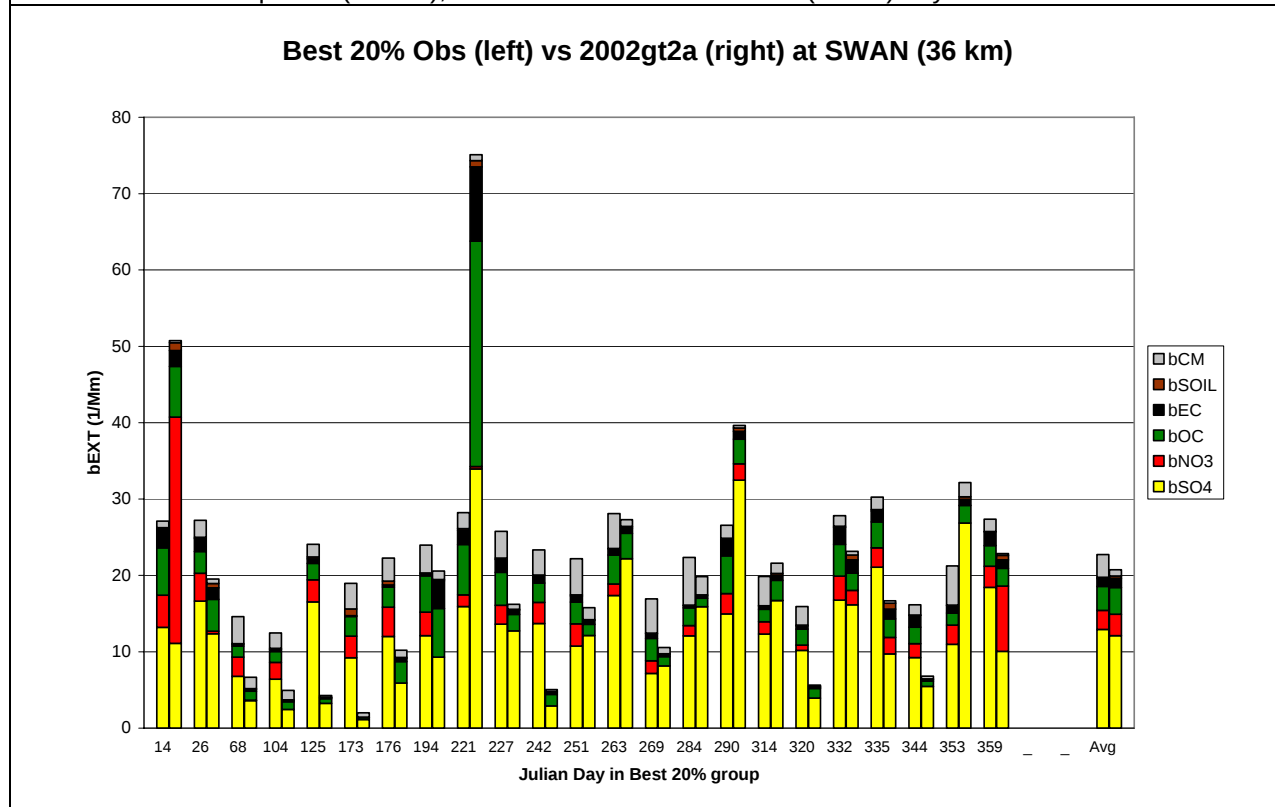


Figure F-10d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Swanquarter (SWAN), North Carolina and Best 20% (B20%) days in 2002.

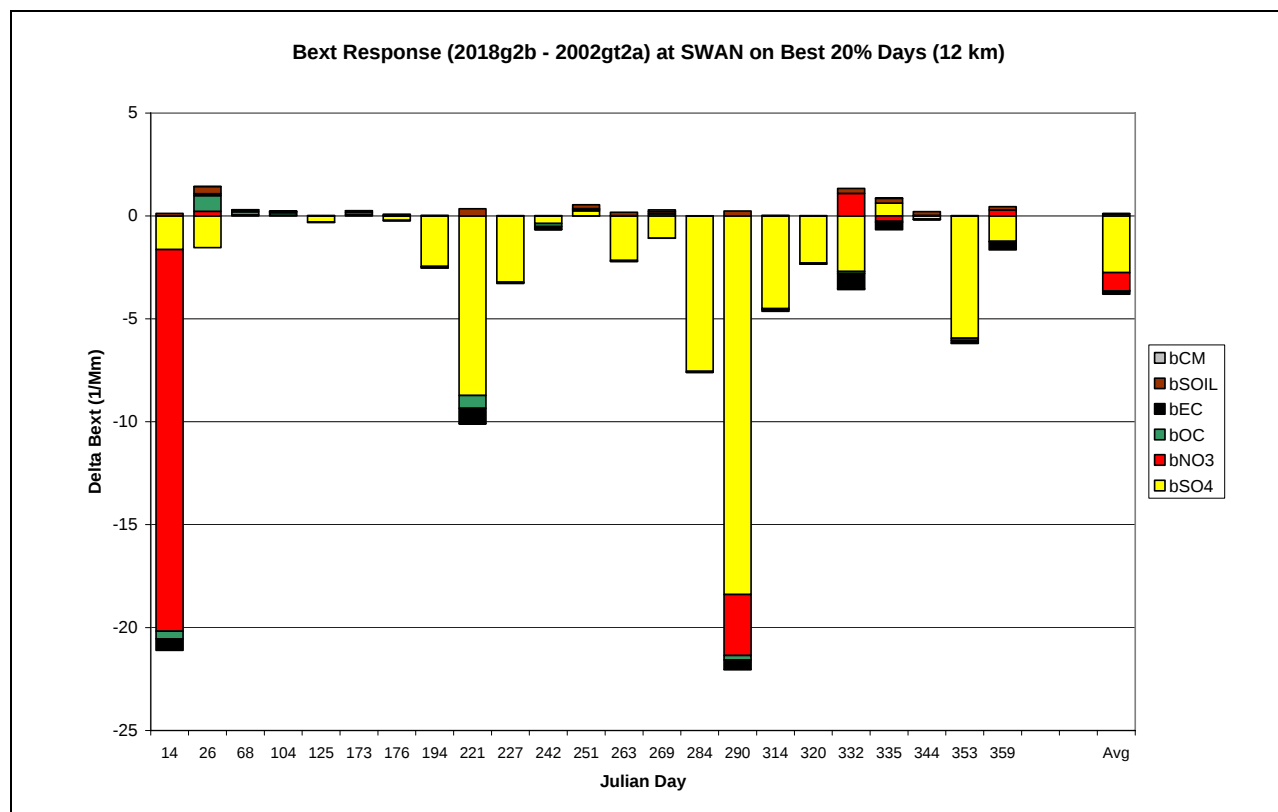


Figure F-10e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Swanquarter (SWAN), North Carolina and Best 20% (B20%) days in 2002.

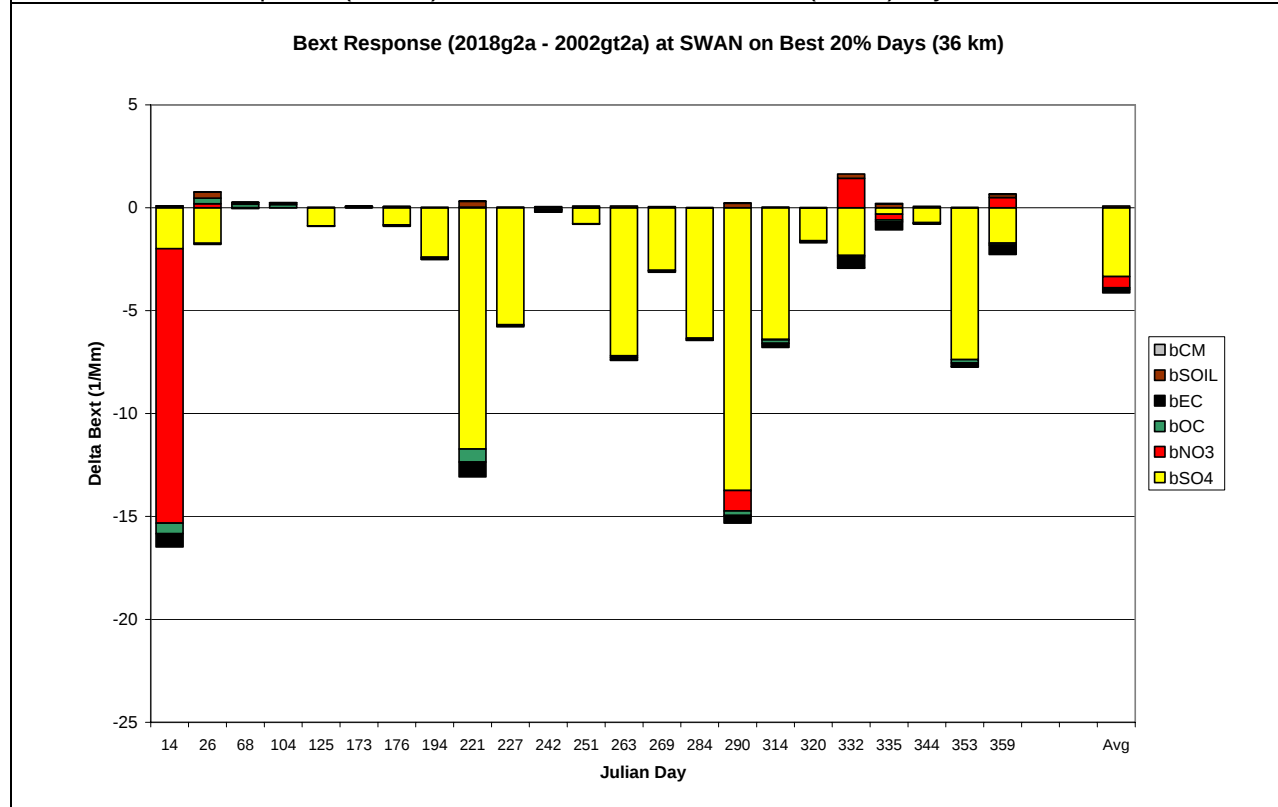


Figure F-10f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Swanquarter (SWAN), North Carolina and Best 20% (B20%) days in 2002.

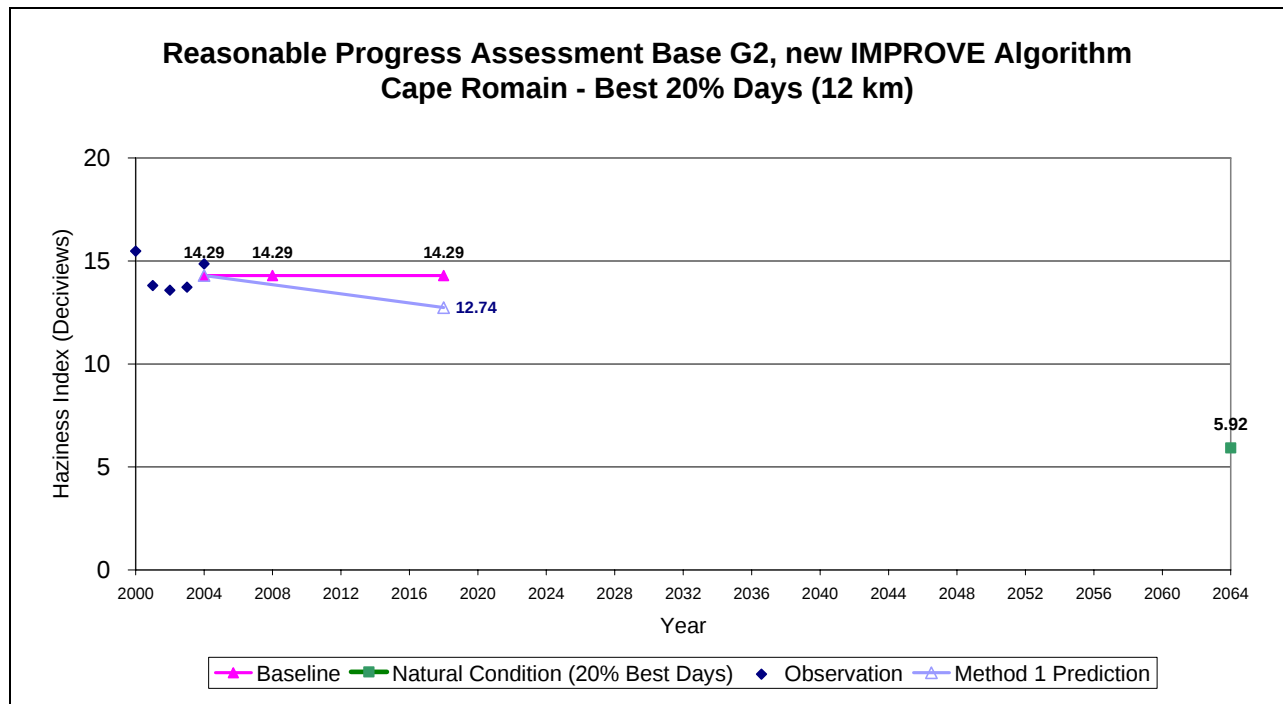


Figure F-11a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Cape Romain (ROMA), South Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

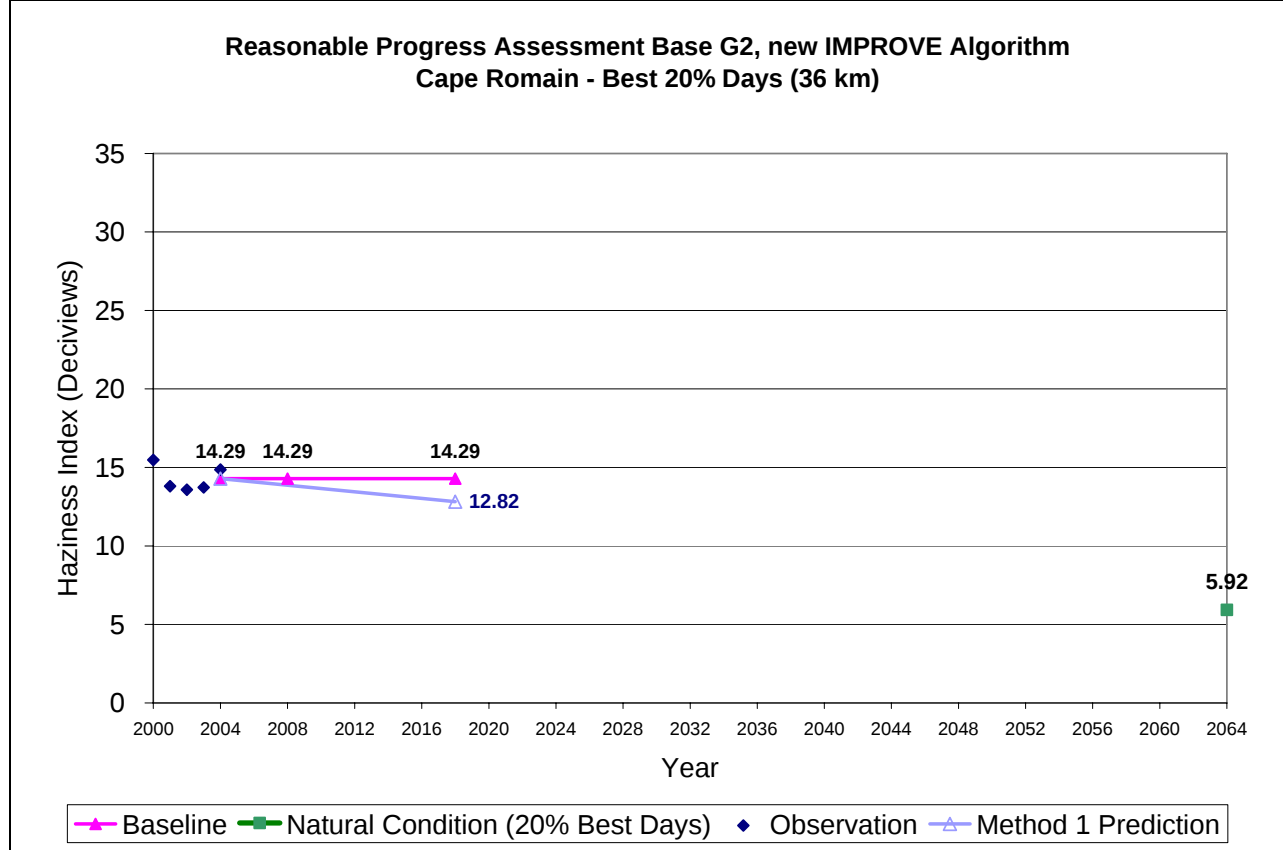


Figure F-11b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Cape Romain (ROMA), South Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

Best 20% Obs (left) vs 2002gt2a (right) at ROMA (12 km)

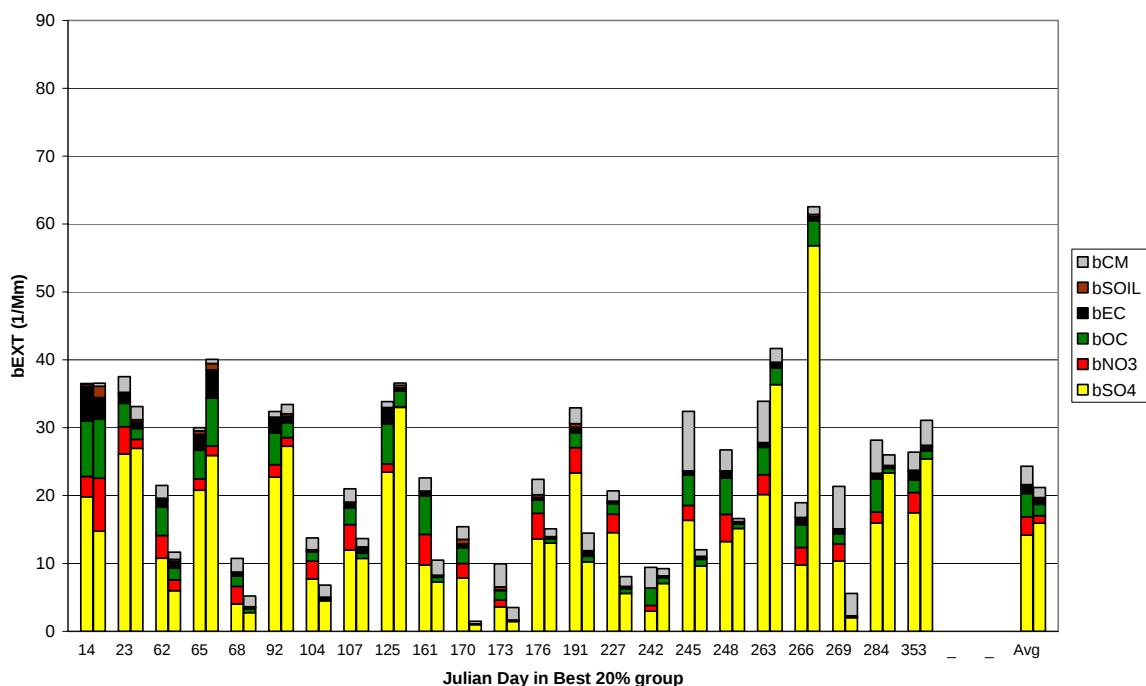


Figure F-11c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Cape Romain (ROMA), South Carolina and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at ROMA (36 km)

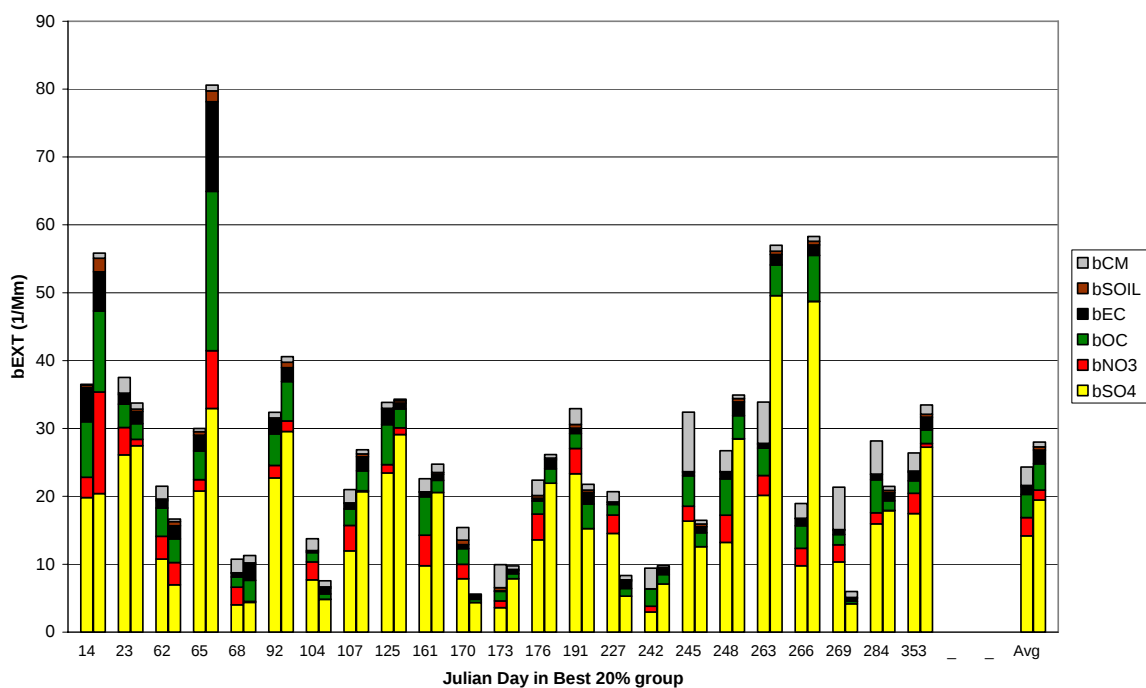


Figure F-11d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Cape Romain (ROMA), South Carolina and Best 20% (B20%) days in 2002.

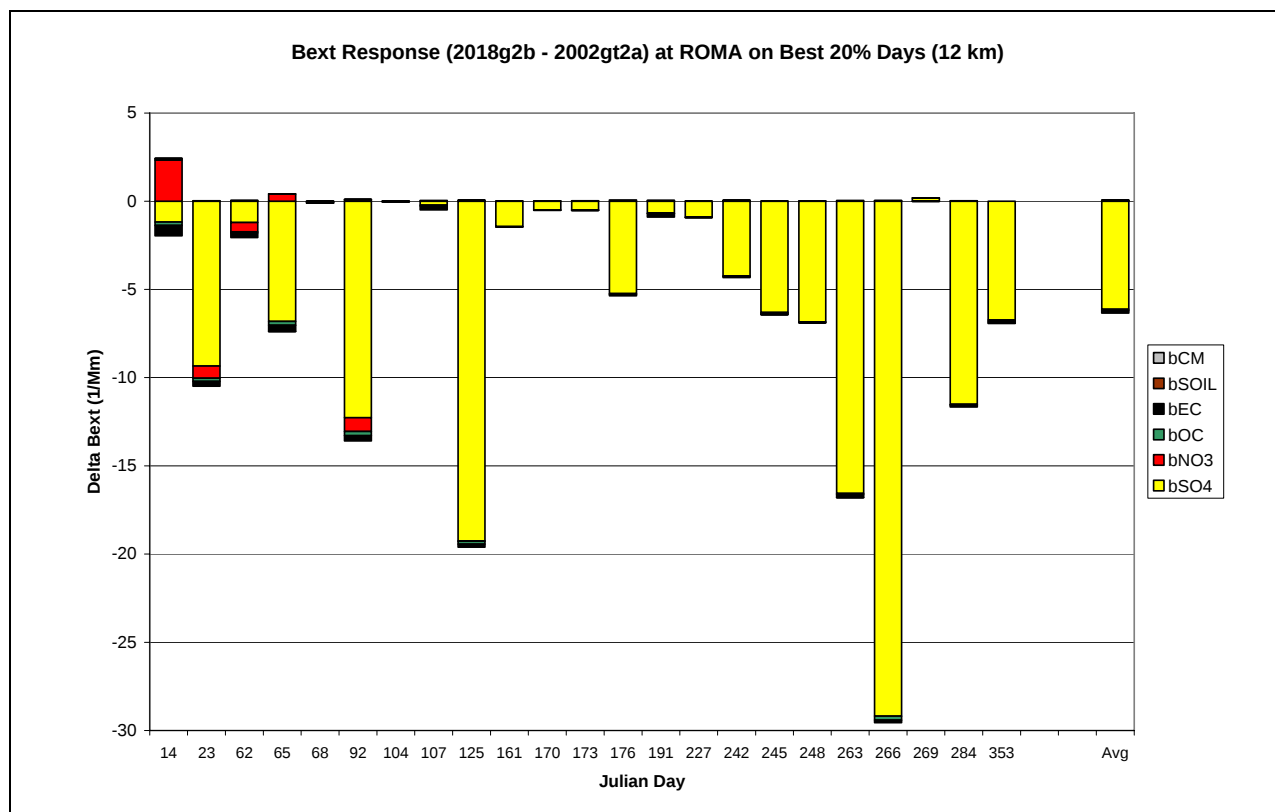


Figure F-11e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Cape Romain (ROMA), South Carolina and Best 20% (B20%) days in 2002.

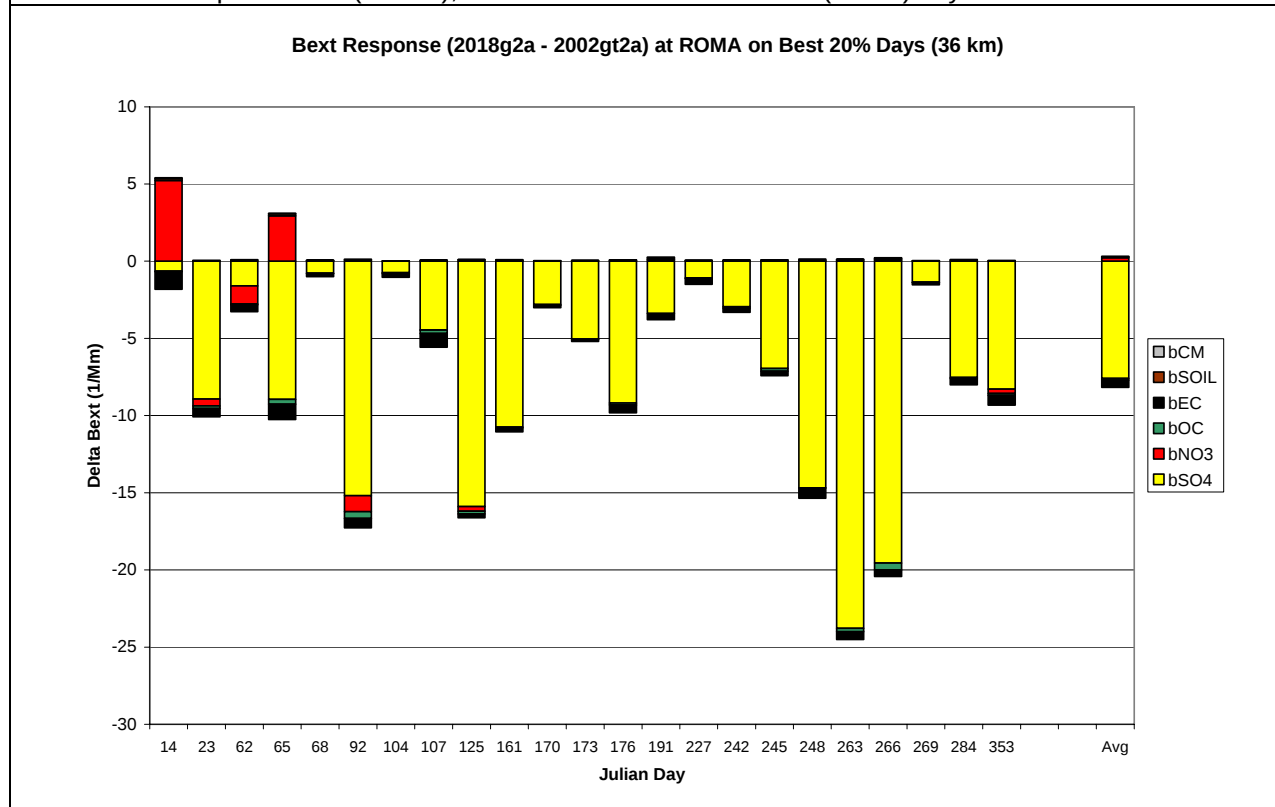


Figure F-11f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Cape Romain (ROMA), South Carolina and Best 20% (B20%) days in 2002.

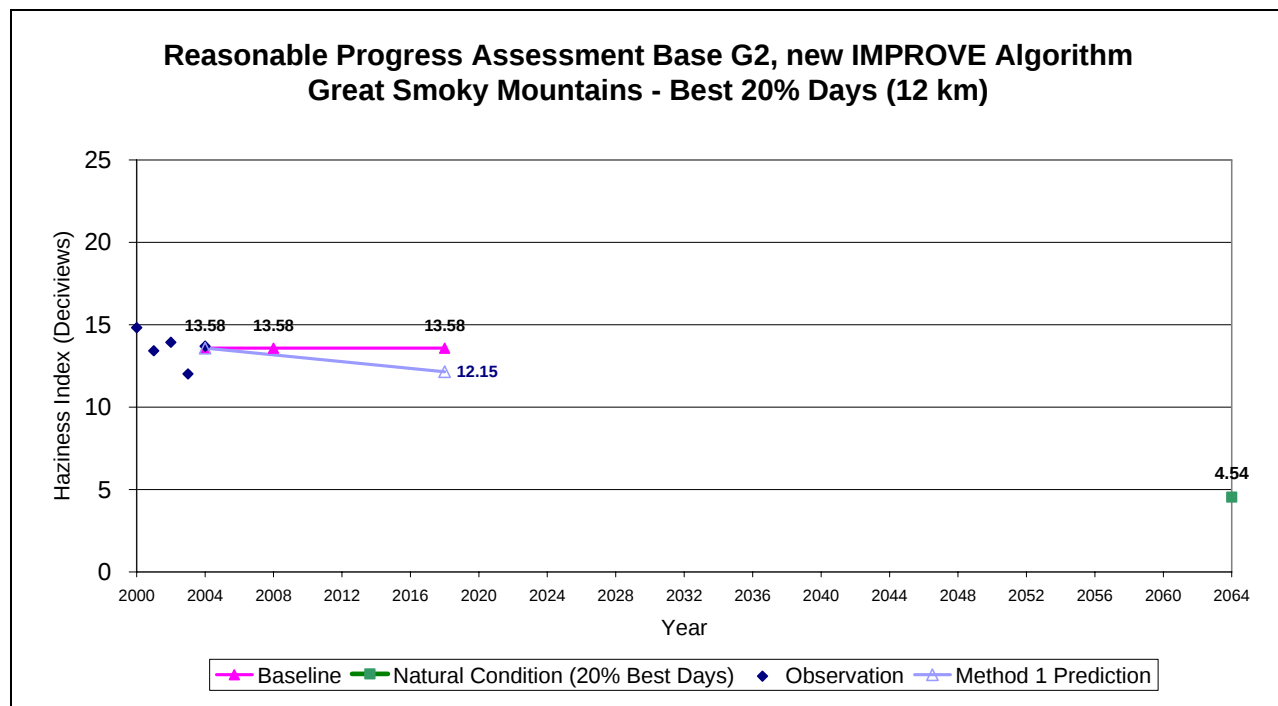


Figure F-12a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Great Smoky Mountains (GRSM), Tennessee-North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

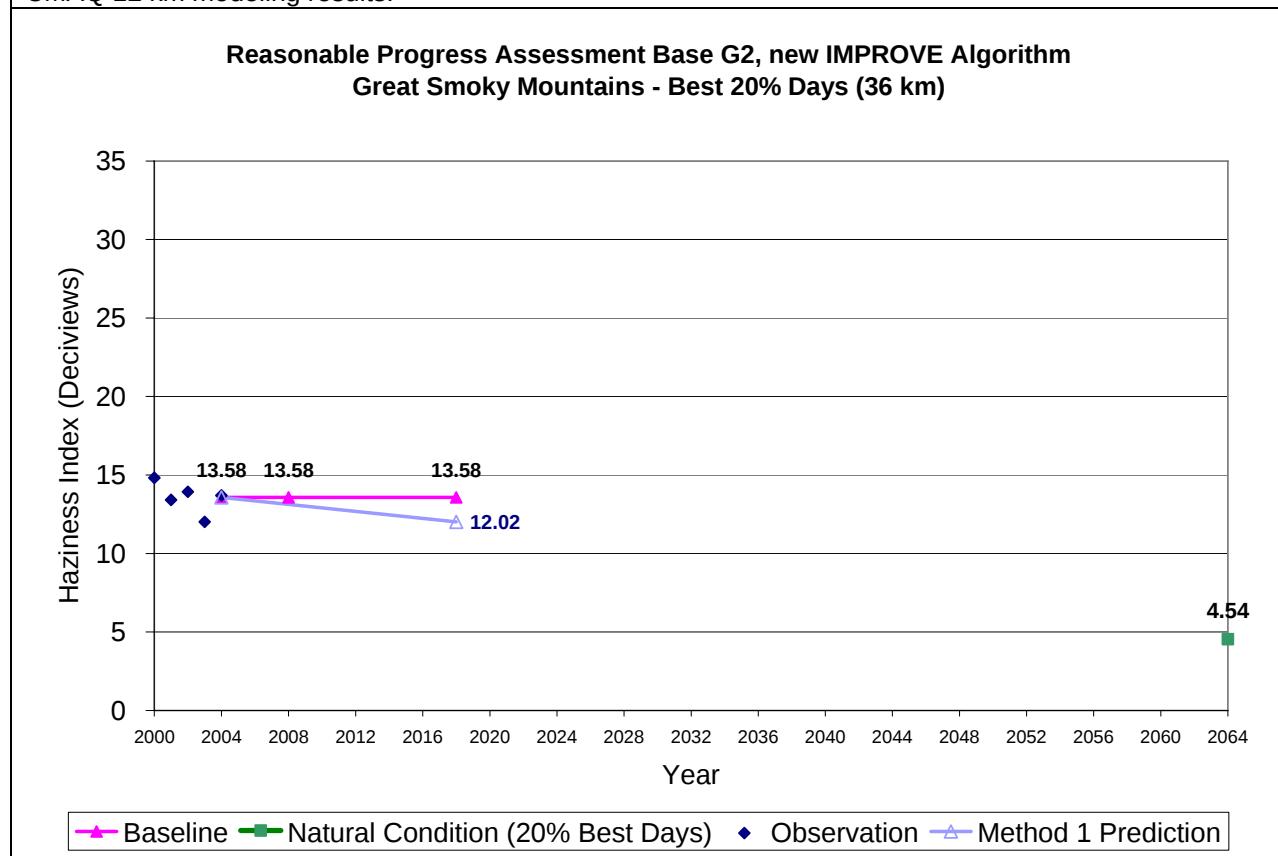


Figure F-12b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Great Smoky Mountains (GRSM), Tennessee-North Carolina and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results..

Best 20% Obs (left) vs 2002gt2a (right) at GRSM (12 km)

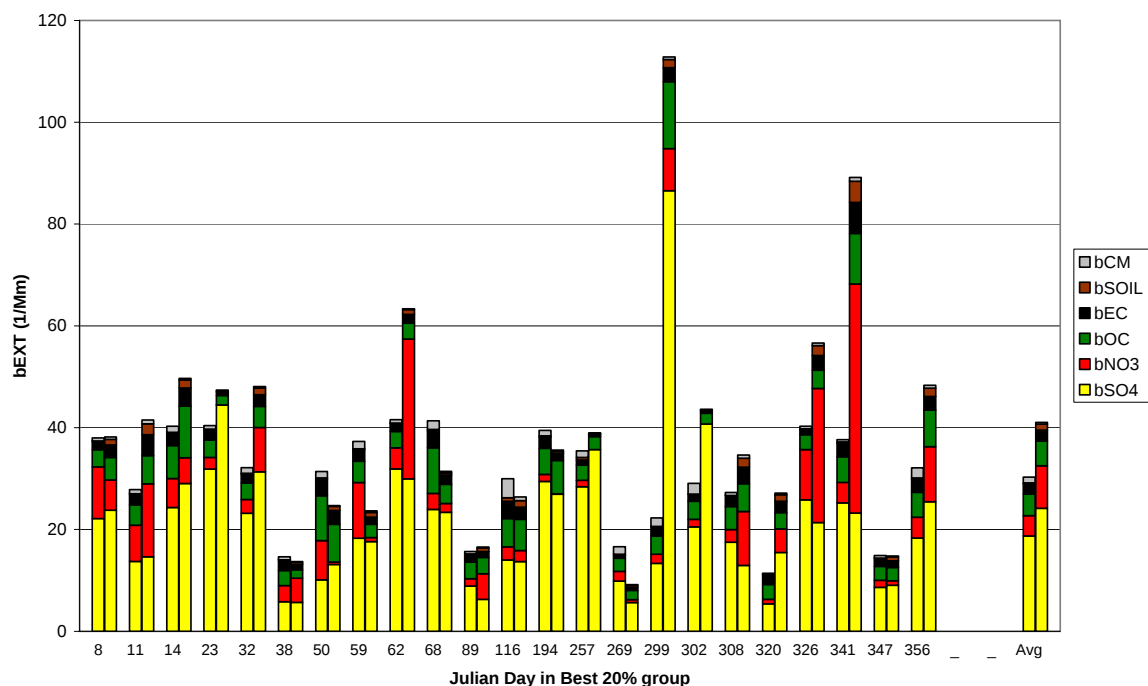


Figure F-12c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Great Smoky Mountains (GRSM), Tennessee-North Carolina and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at GRSM (36 km)

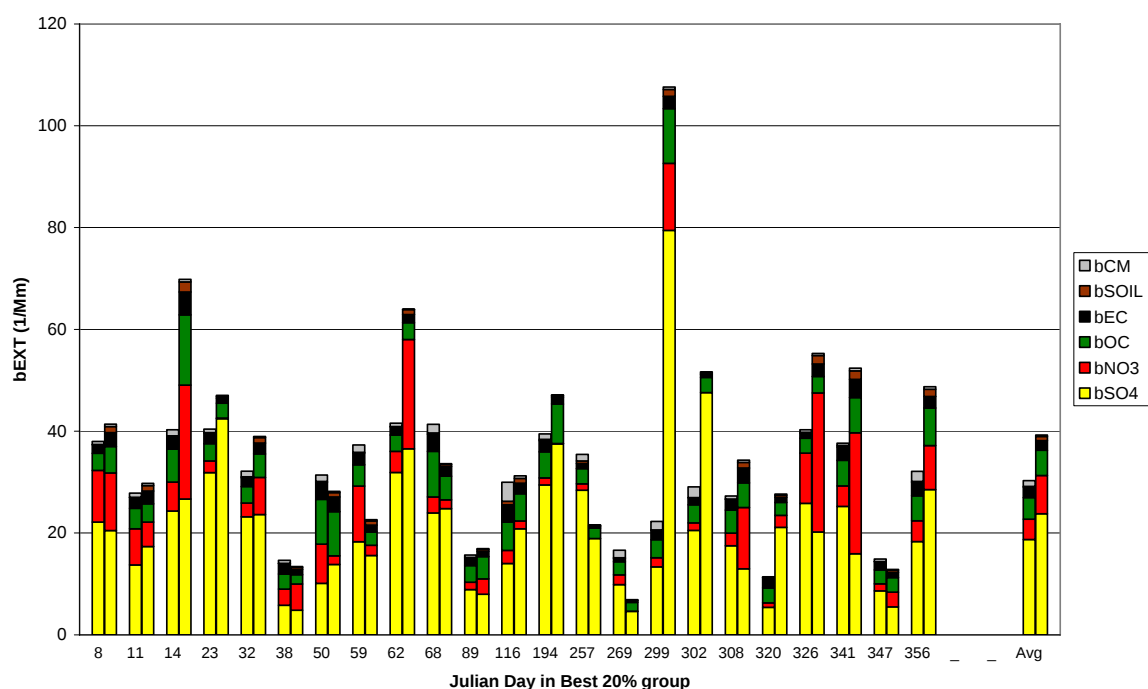


Figure F-12d. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Great Smoky Mountains (GRSM), Tennessee-North Carolina and Best 20% (B20%) days in 2002.

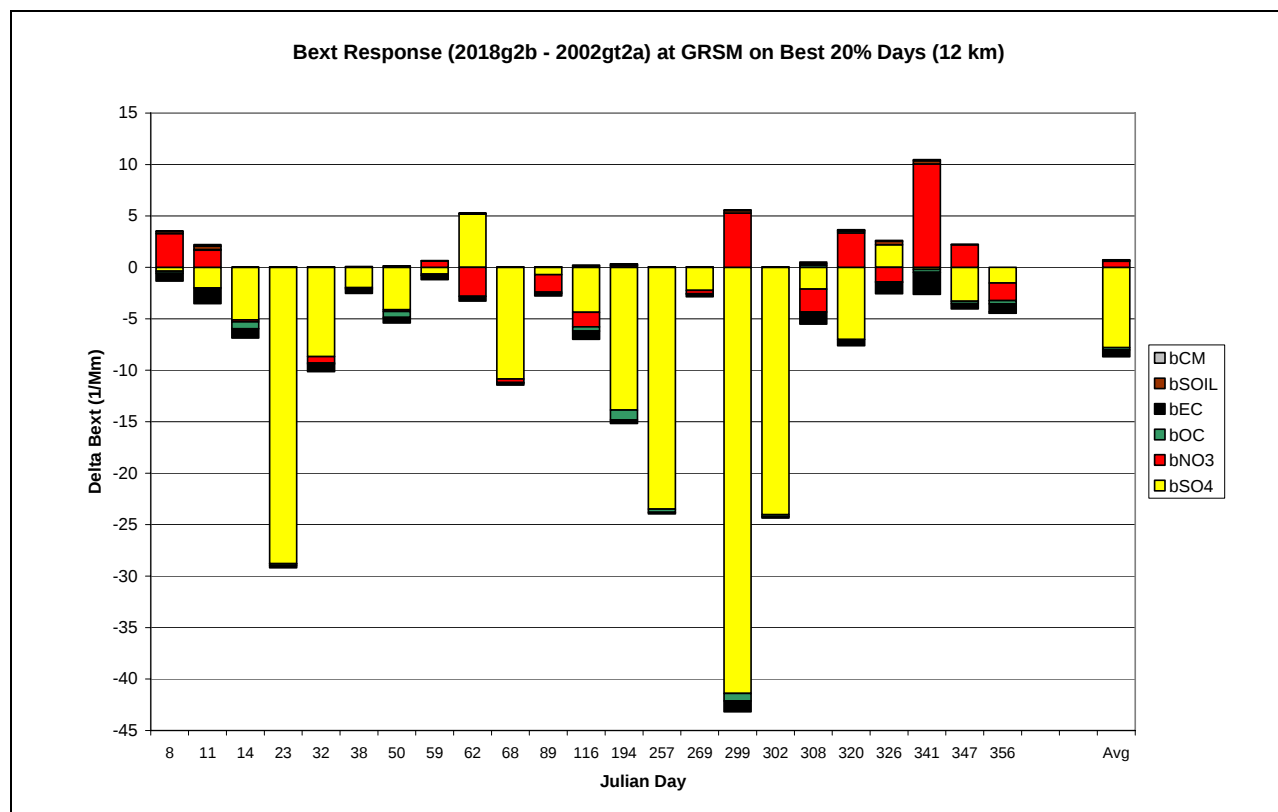


Figure F-12e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Great Smoky Mountains (GRSM), Tennessee-North Carolina and Best 20% (B20%) days in 2002.

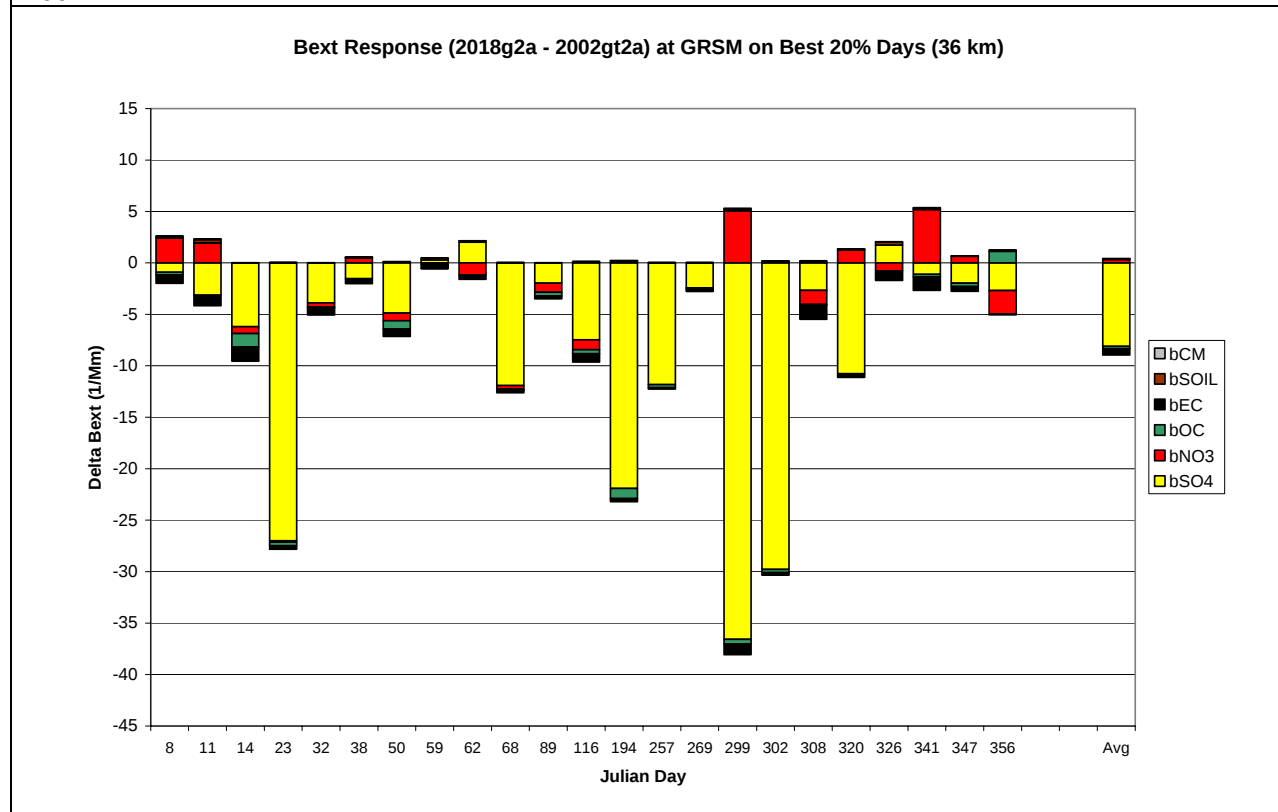


Figure F-12f. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Great Smoky Mountains (GRSM), Tennessee-North Carolina and Best 20% (B20%) days in 2002.

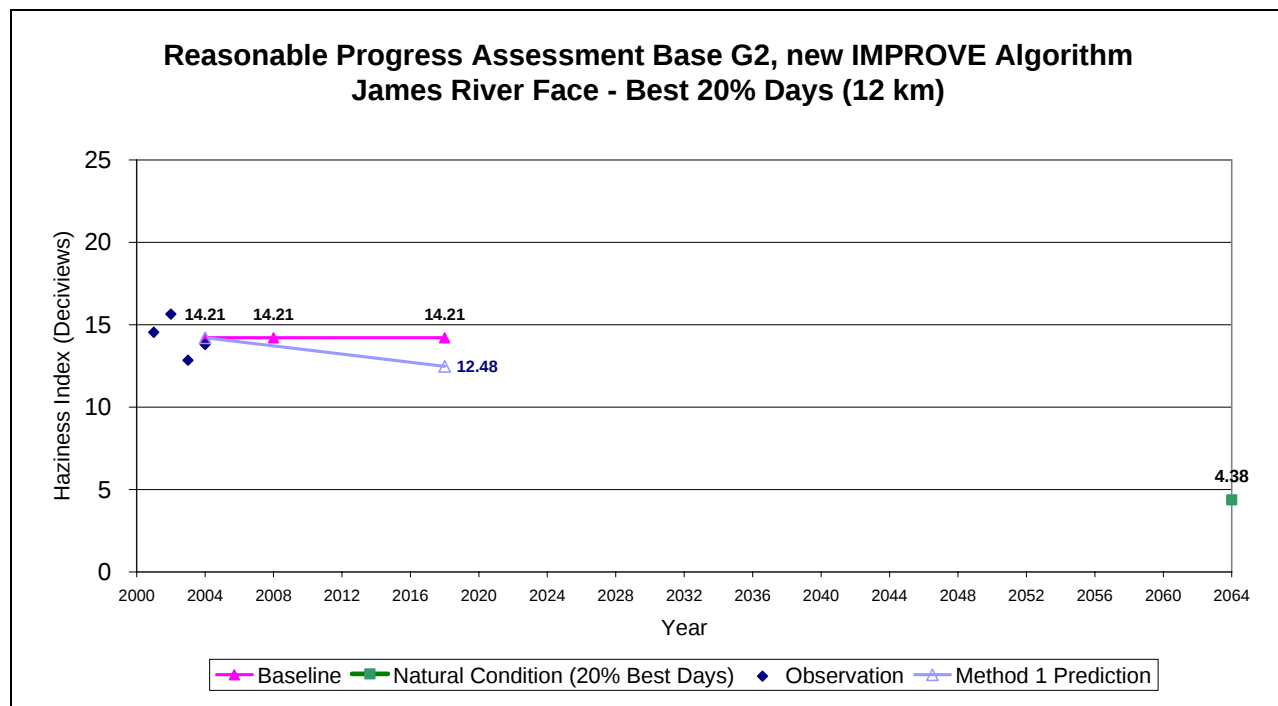


Figure F-13a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for James River Face (JARI), Virginia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

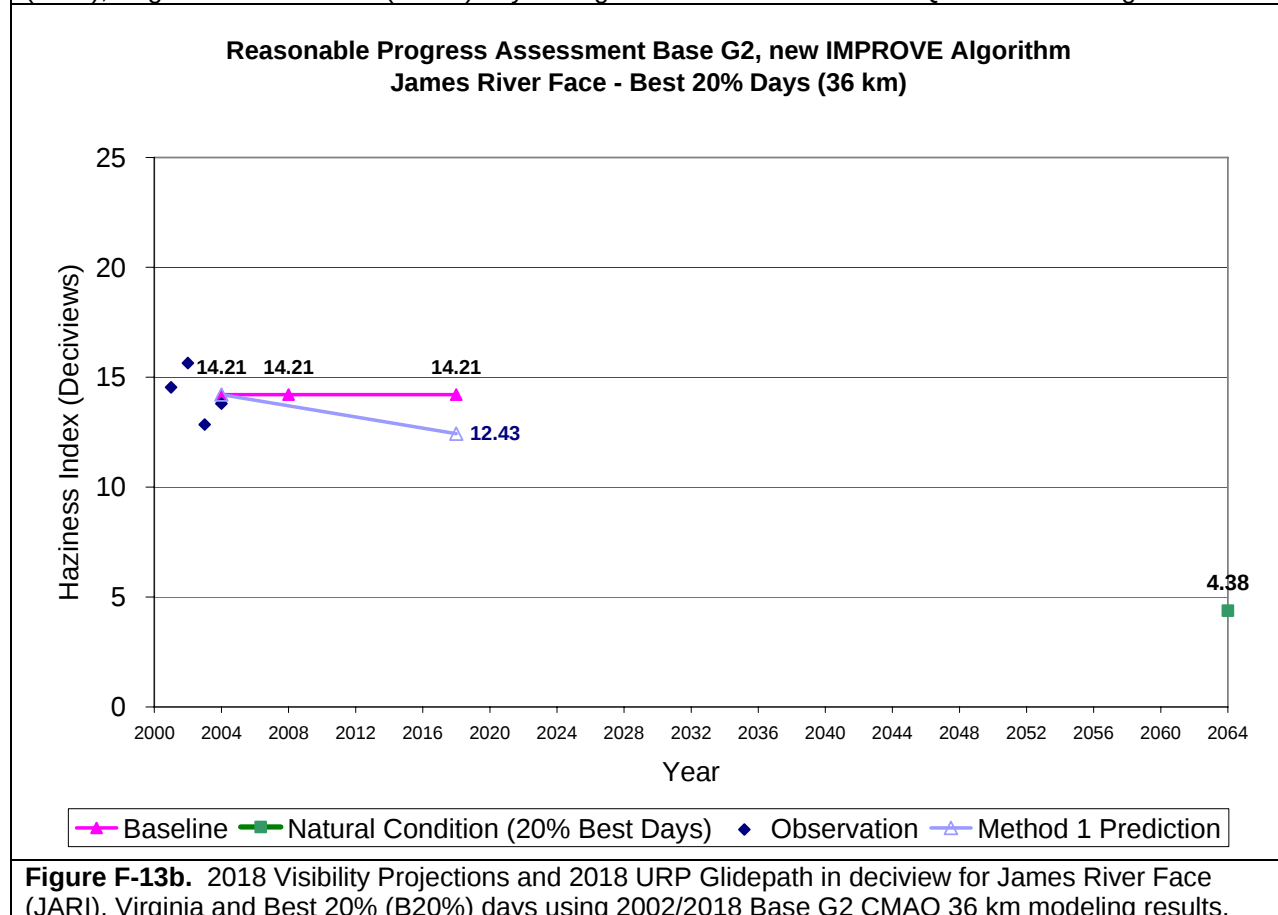


Figure F-13b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for James River Face (JARI), Virginia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

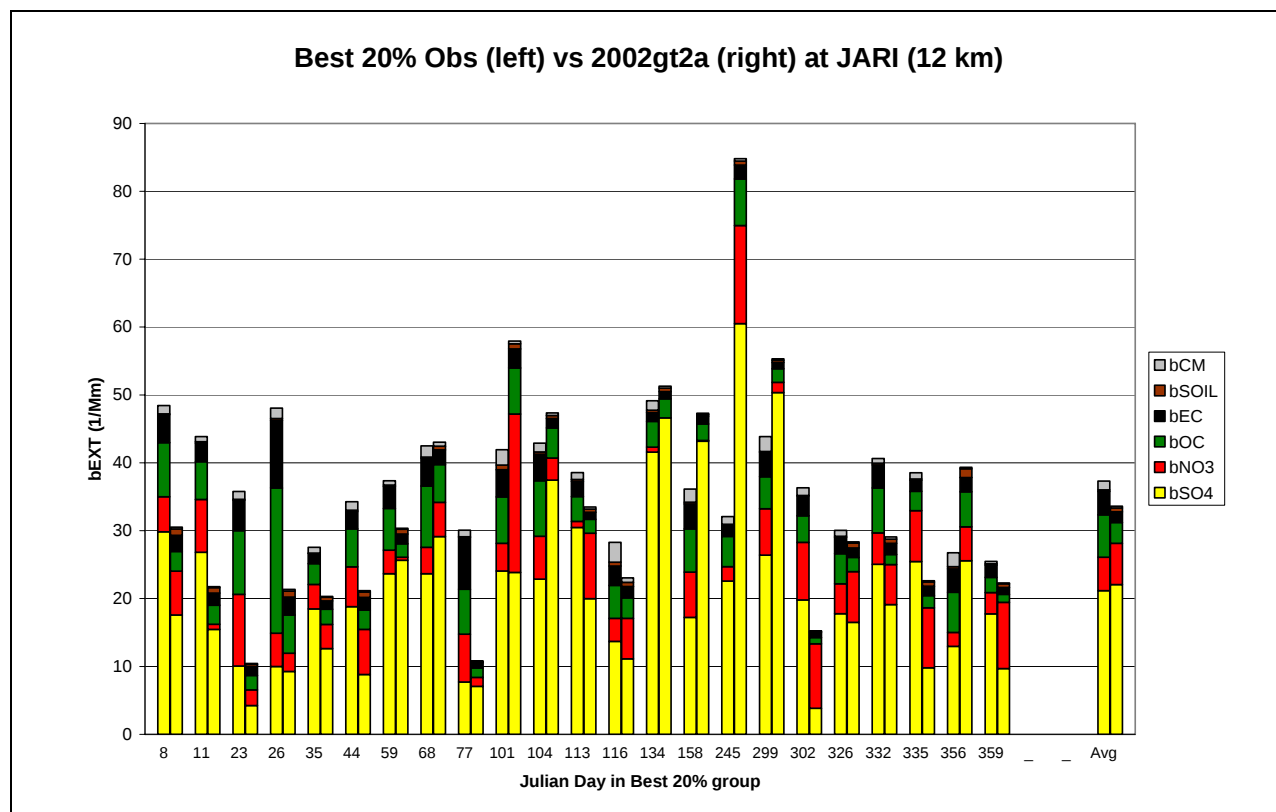


Figure F-13c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for James River Face (JARI), Virginia and Best 20% (B20%) days in 2002.

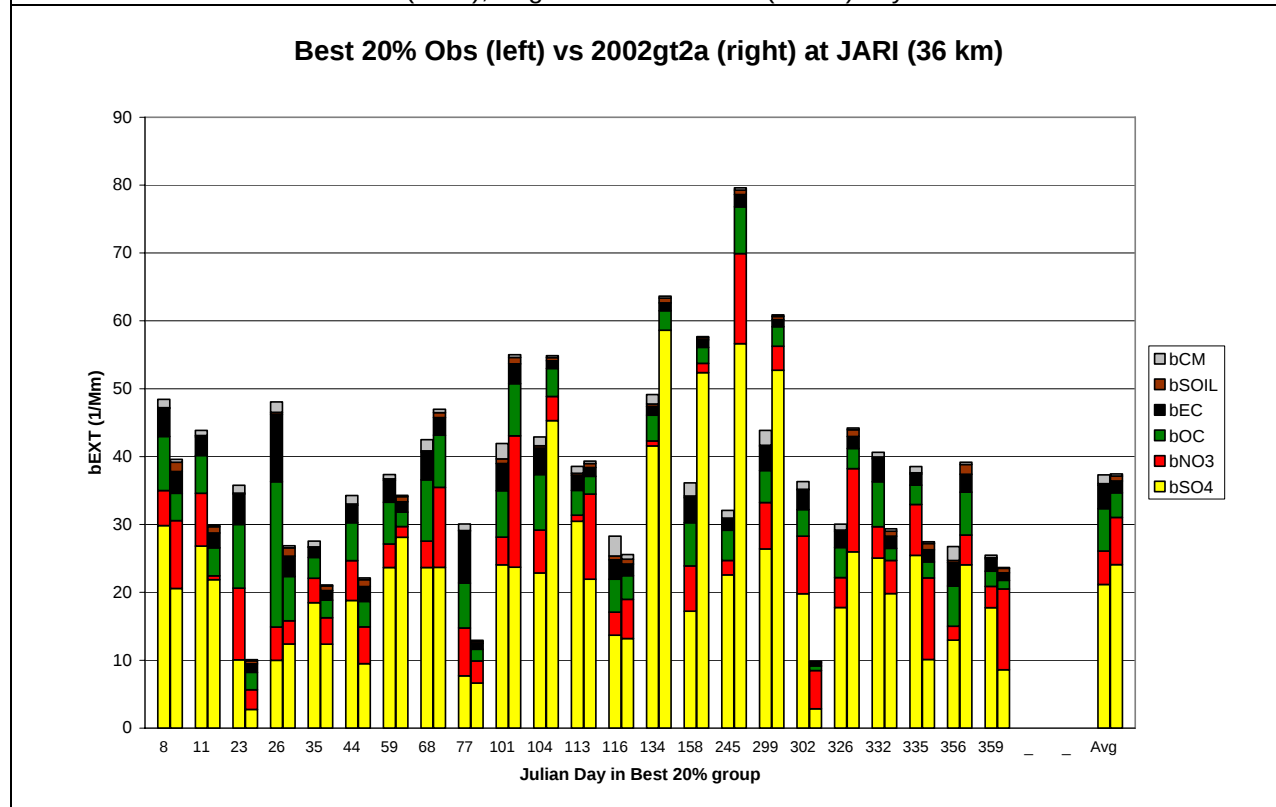


Figure F-13d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for James River Face (JARI), Virginia and Best 20% (B20%) days in 2002.

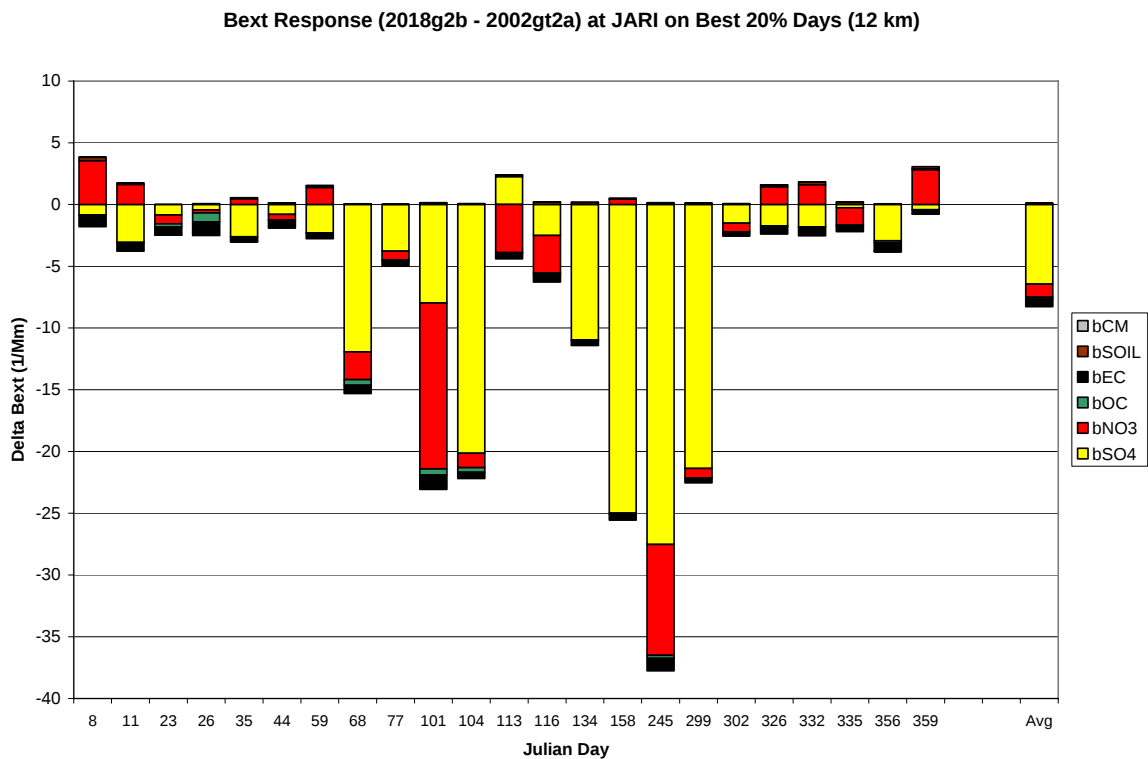


Figure F-13e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for James River Face (JARI), Virginia and Best 20% (B20%) days in 2002.

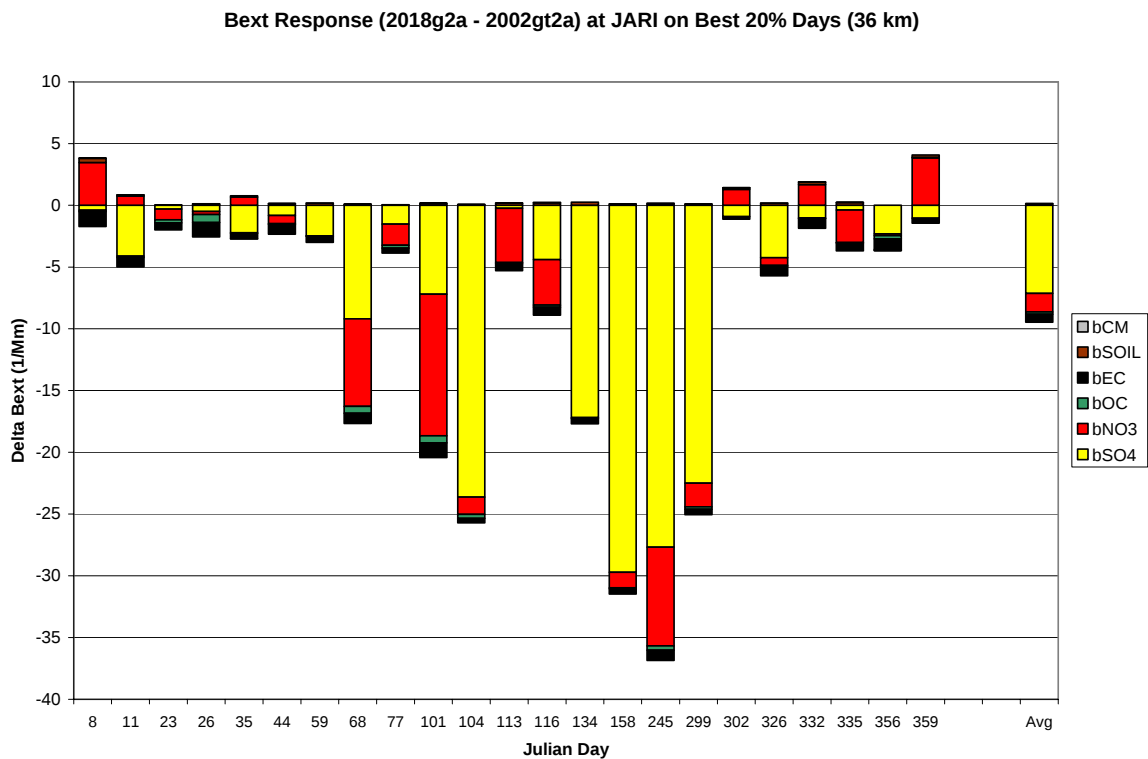


Figure F-13f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for James River Face (JARI), Virginia and Best 20% (B20%) days in 2002.

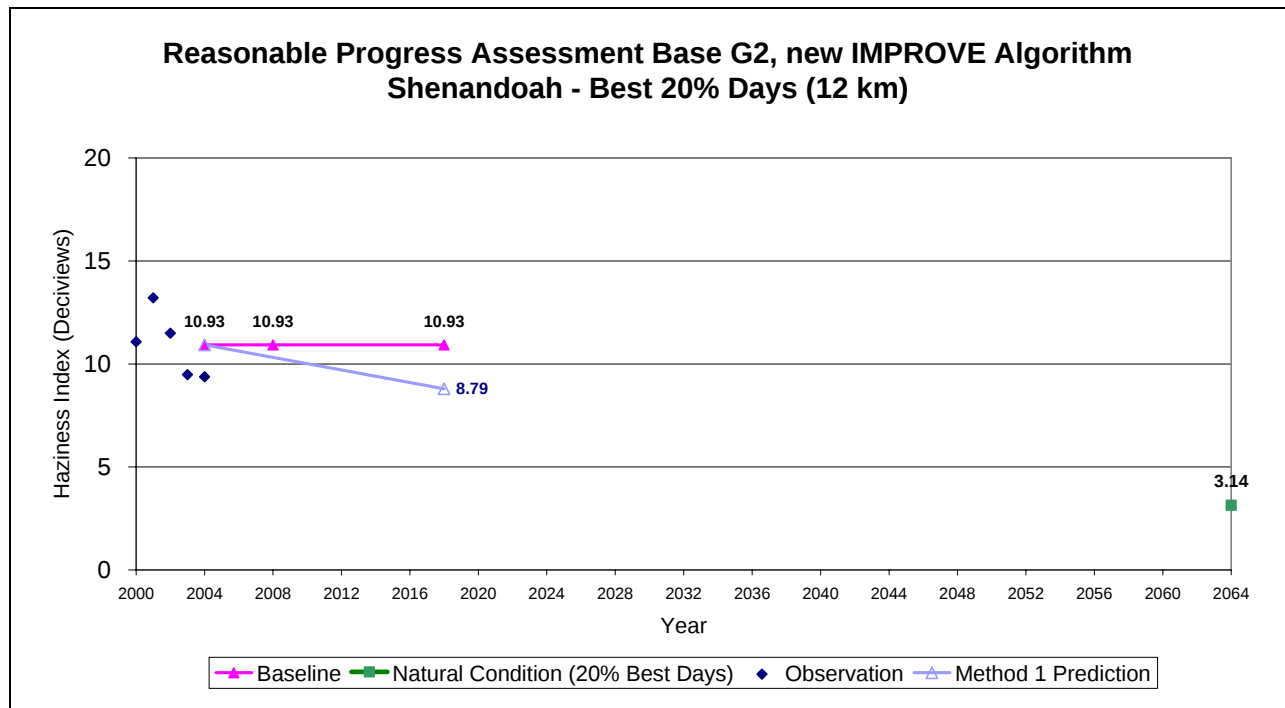


Figure F-14a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Shenandoah (SHEN), Virginia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

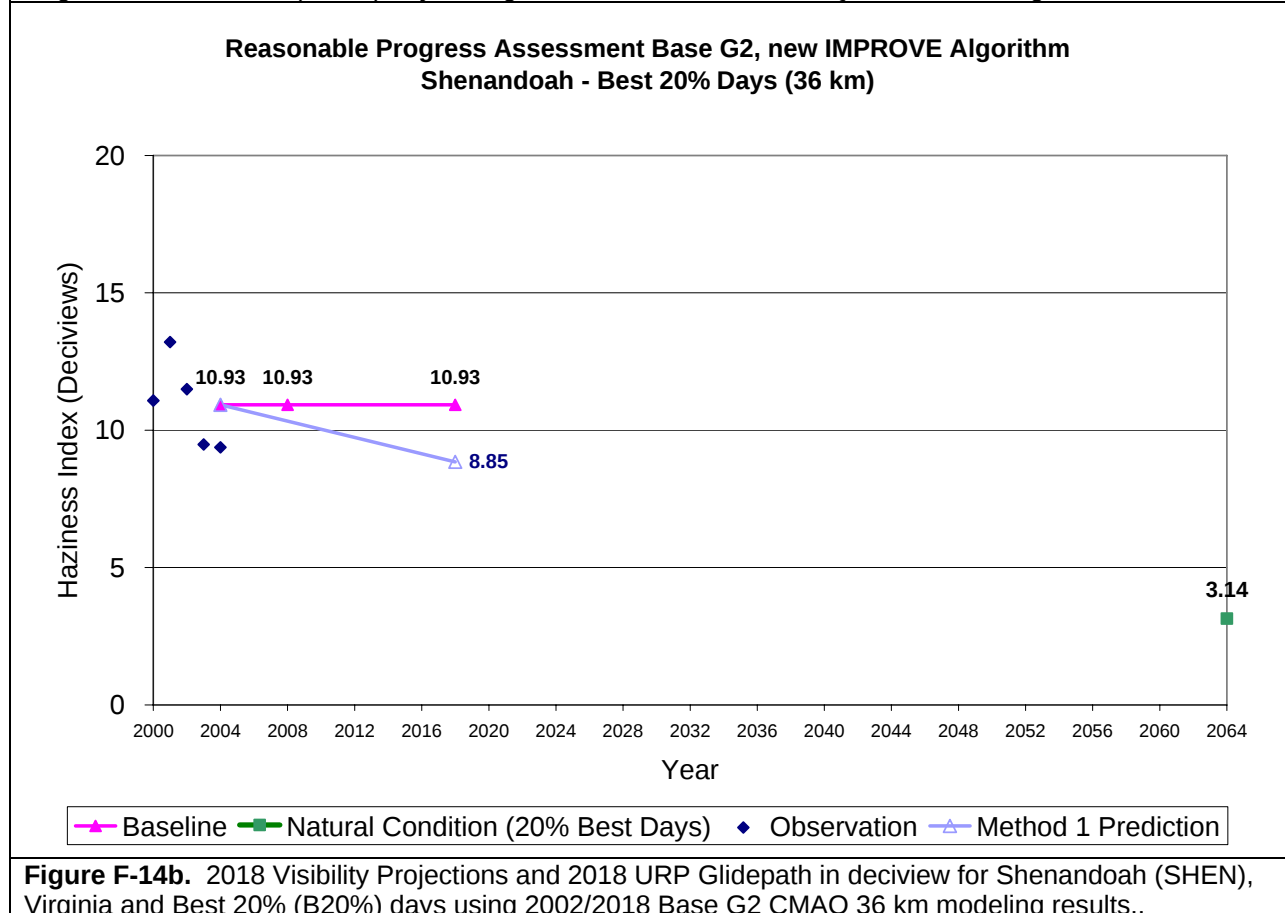


Figure F-14b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Shenandoah (SHEN), Virginia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results..

Best 20% Obs (left) vs 2002gt2a (right) at SHEN (12 km)

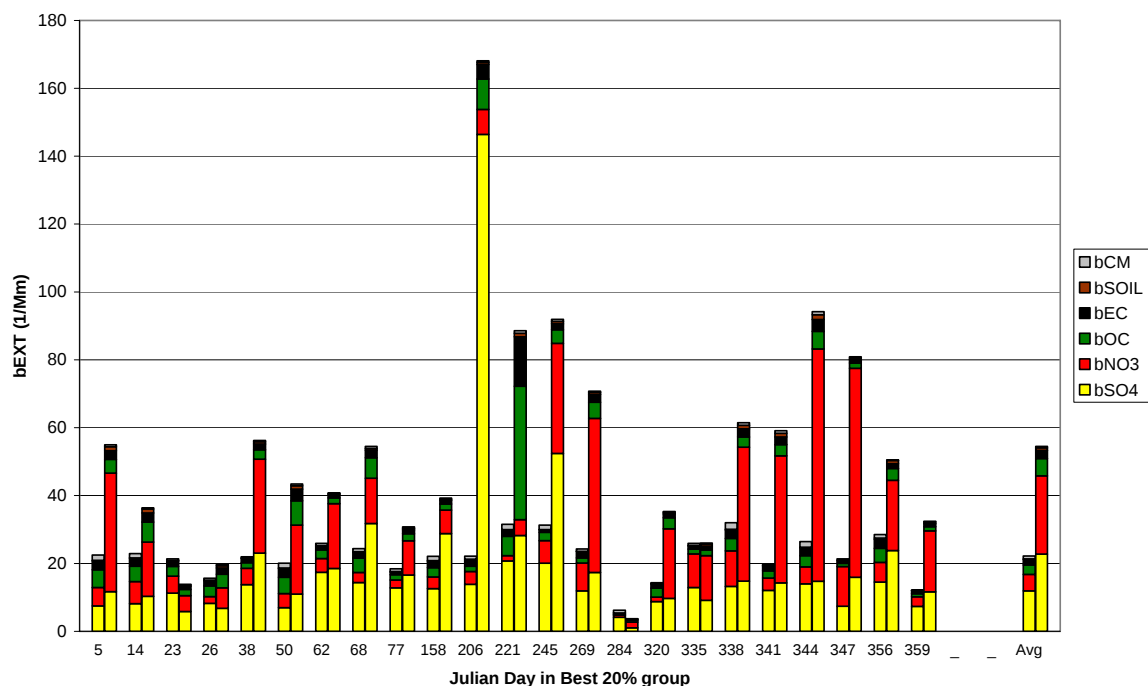


Figure F-14c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Shenandoah (SHEN), Virginia and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at SHEN (36 km)

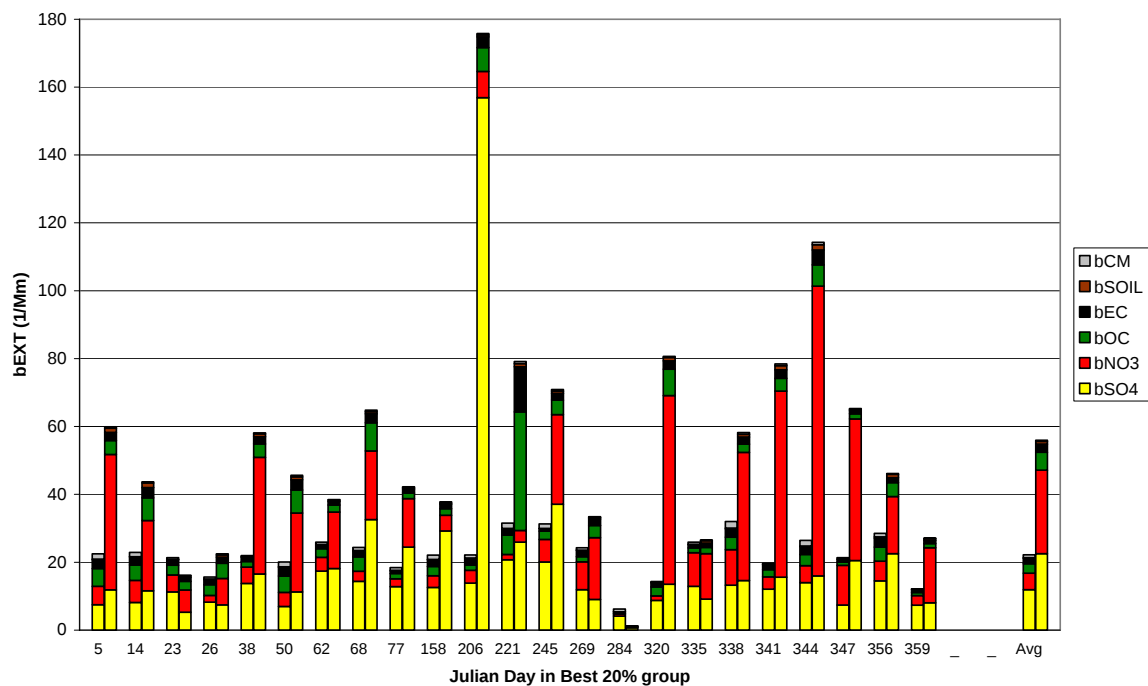


Figure F-14d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Shenandoah (SHEN), Virginia and Best 20% (B20%) days in 2002.

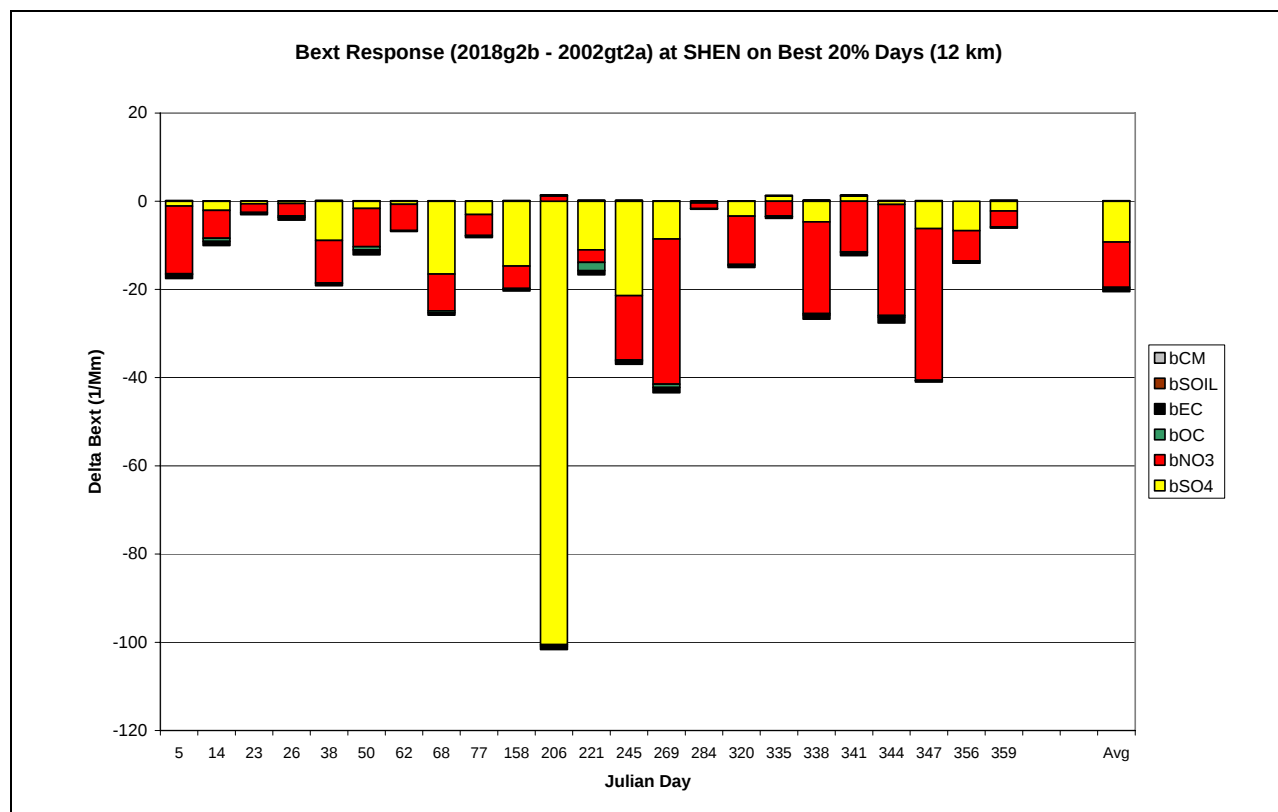


Figure F-14e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Shenandoah (SHEN), Virginia and Best 20% (B20%) days in 2002.

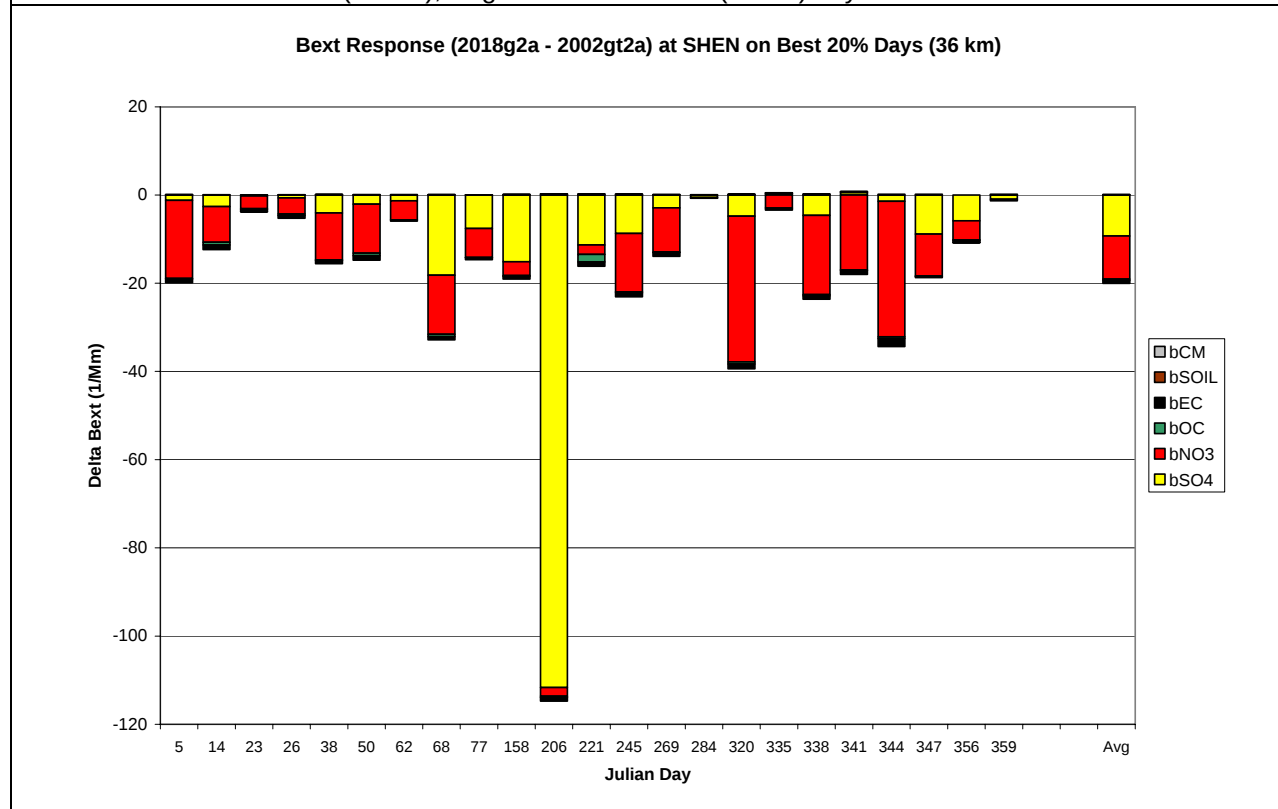


Figure F-14f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Shenandoah (SHEN), Virginia and Best 20% (B20%) days in 2002.

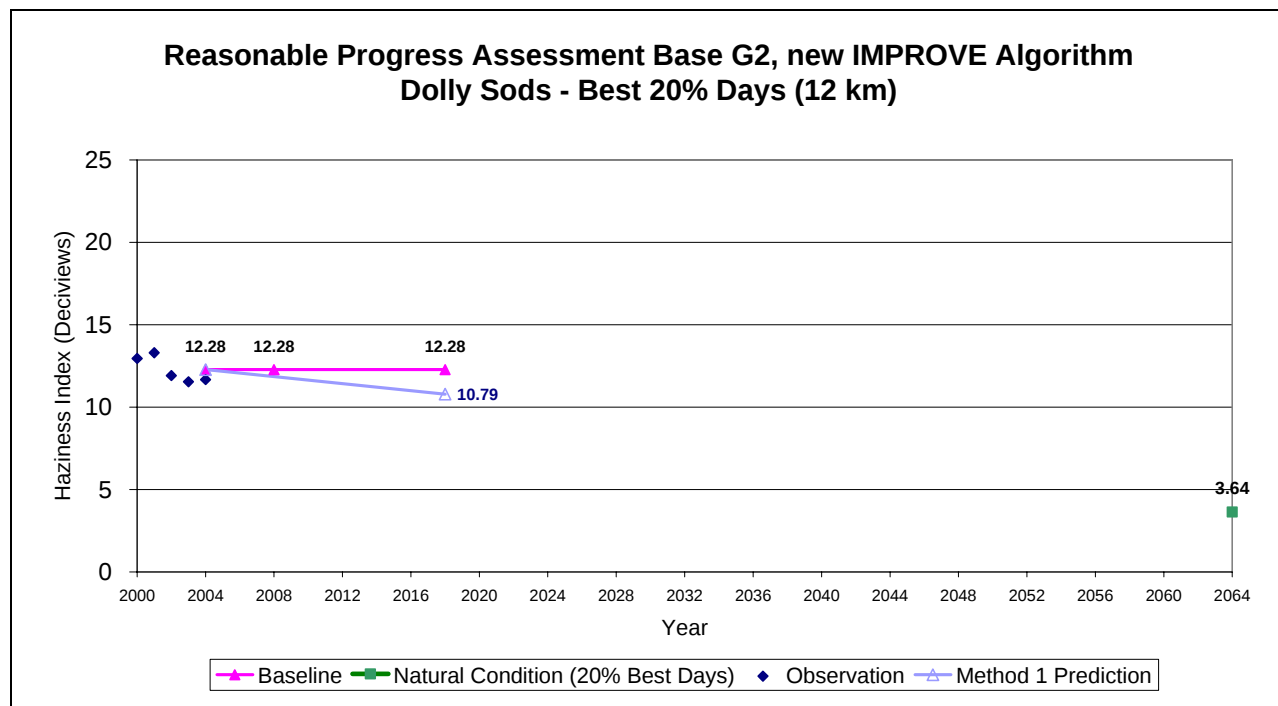


Figure F-15a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Dolly Sods (DOSO), West Virginia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

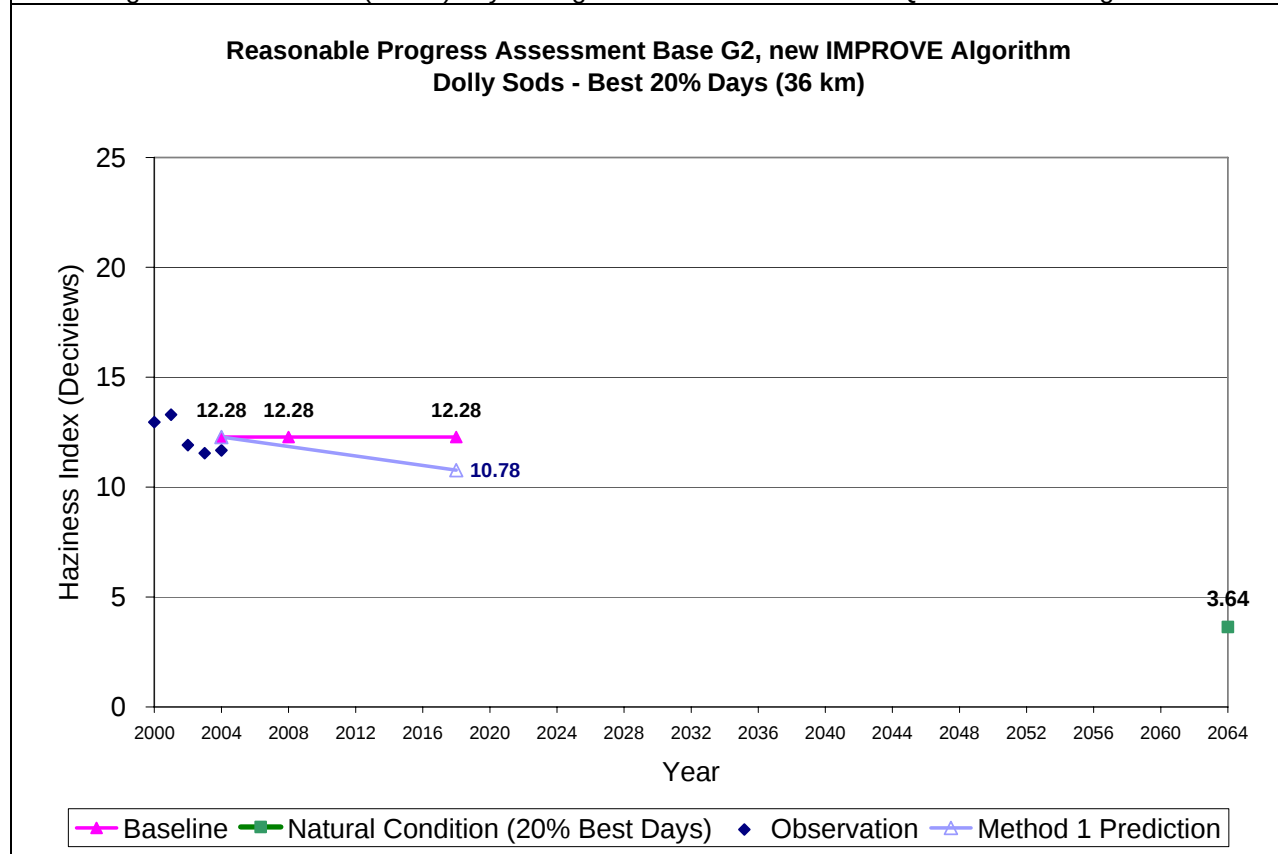


Figure F-15b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Dolly Sods (DOSO), West Virginia and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

Best 20% Obs (left) vs 2002gt2a (right) at DOSO (12 km)

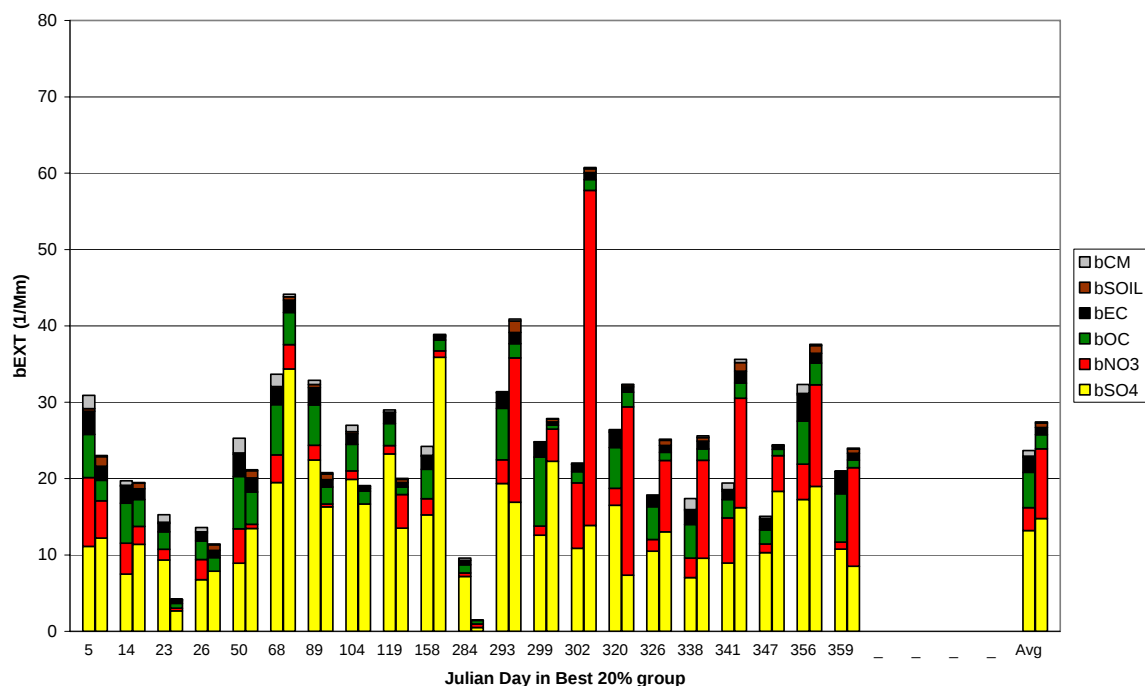


Figure F-15c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Dolly Sods (DOSO), West Virginia and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at DOSO (36 km)

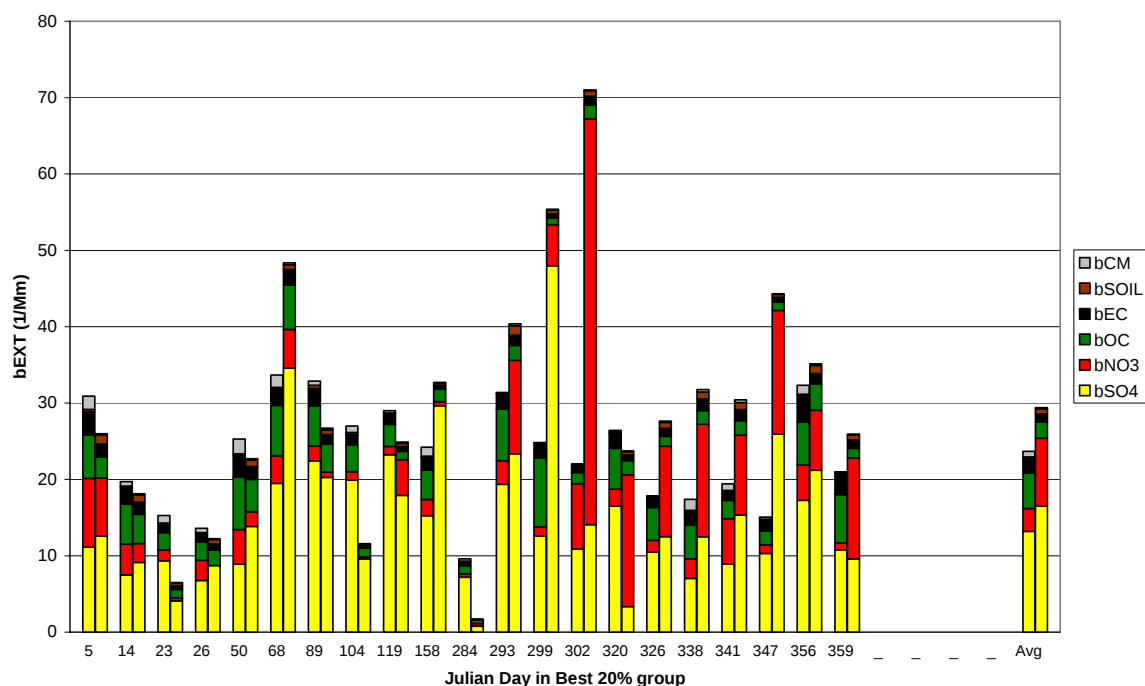


Figure F-15d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Dolly Sods (DOSO), West Virginia and Best 20% (B20%) days in 2002.

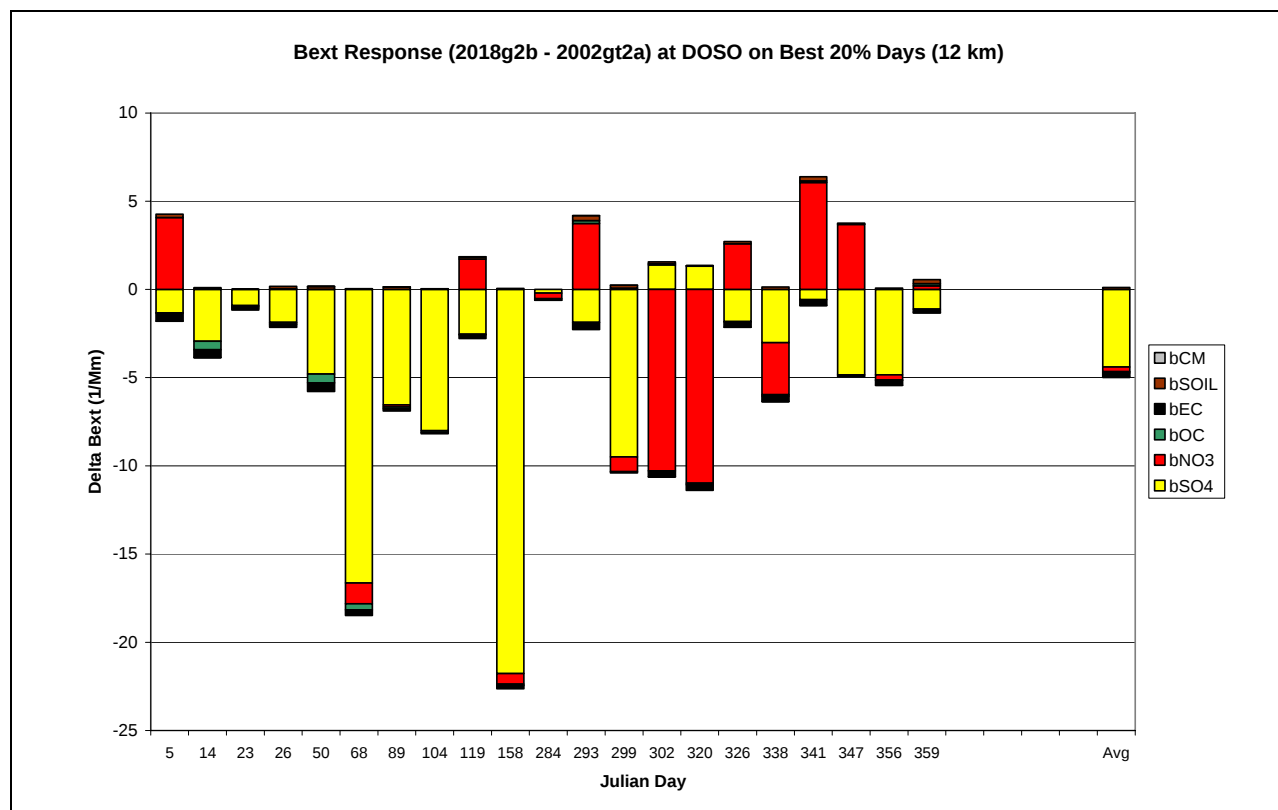


Figure F-15e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Dolly Sods (DOSO), West Virginia and Best 20% (B20%) days in 2002.

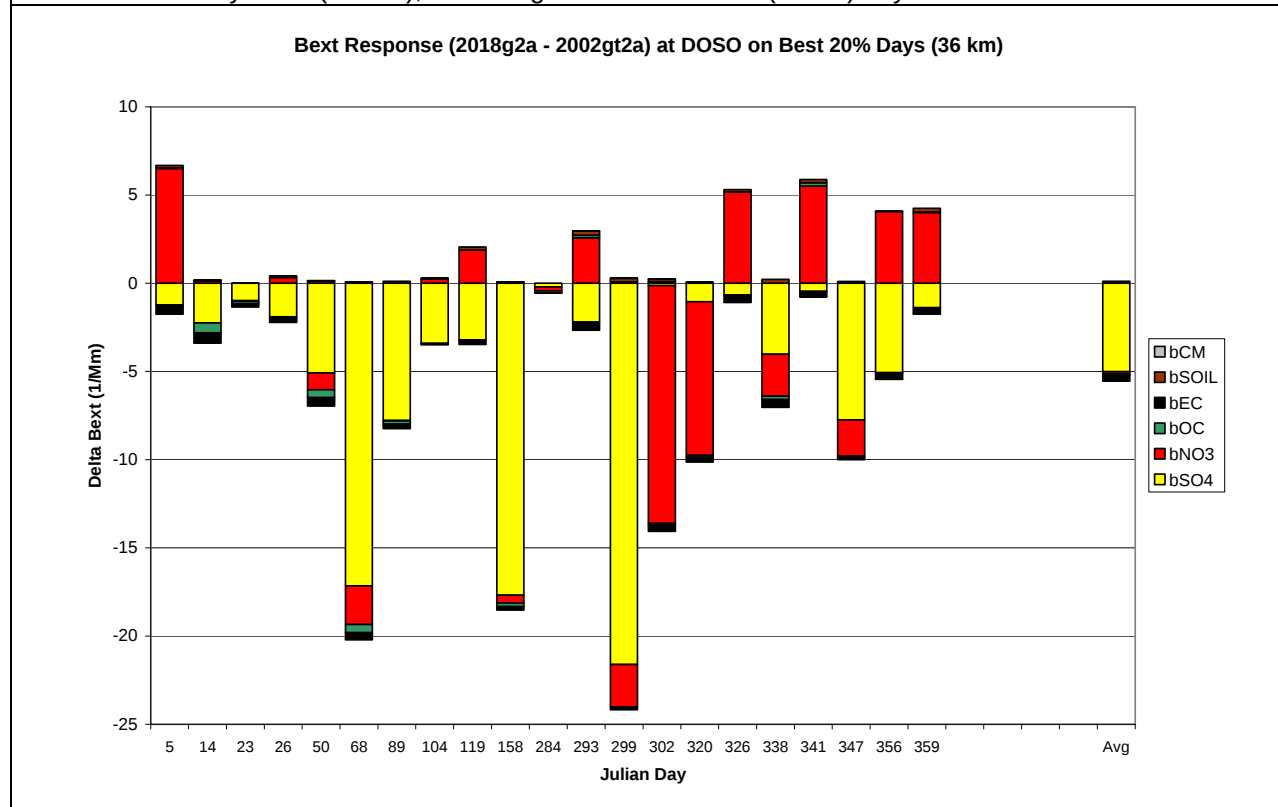


Figure F-15f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Dolly Sods (DOSO), West Virginia and Best 20% (B20%) days in 2002.

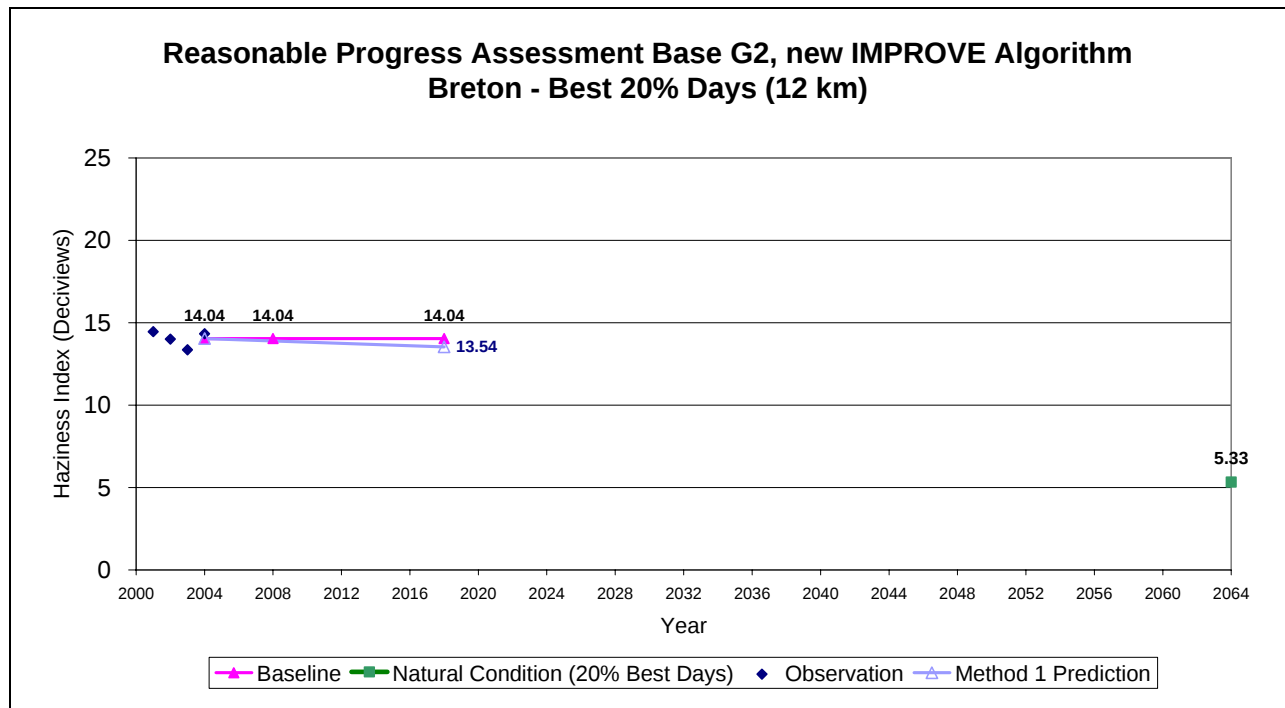


Figure F-16a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Breton Island (BRET), Louisiana and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

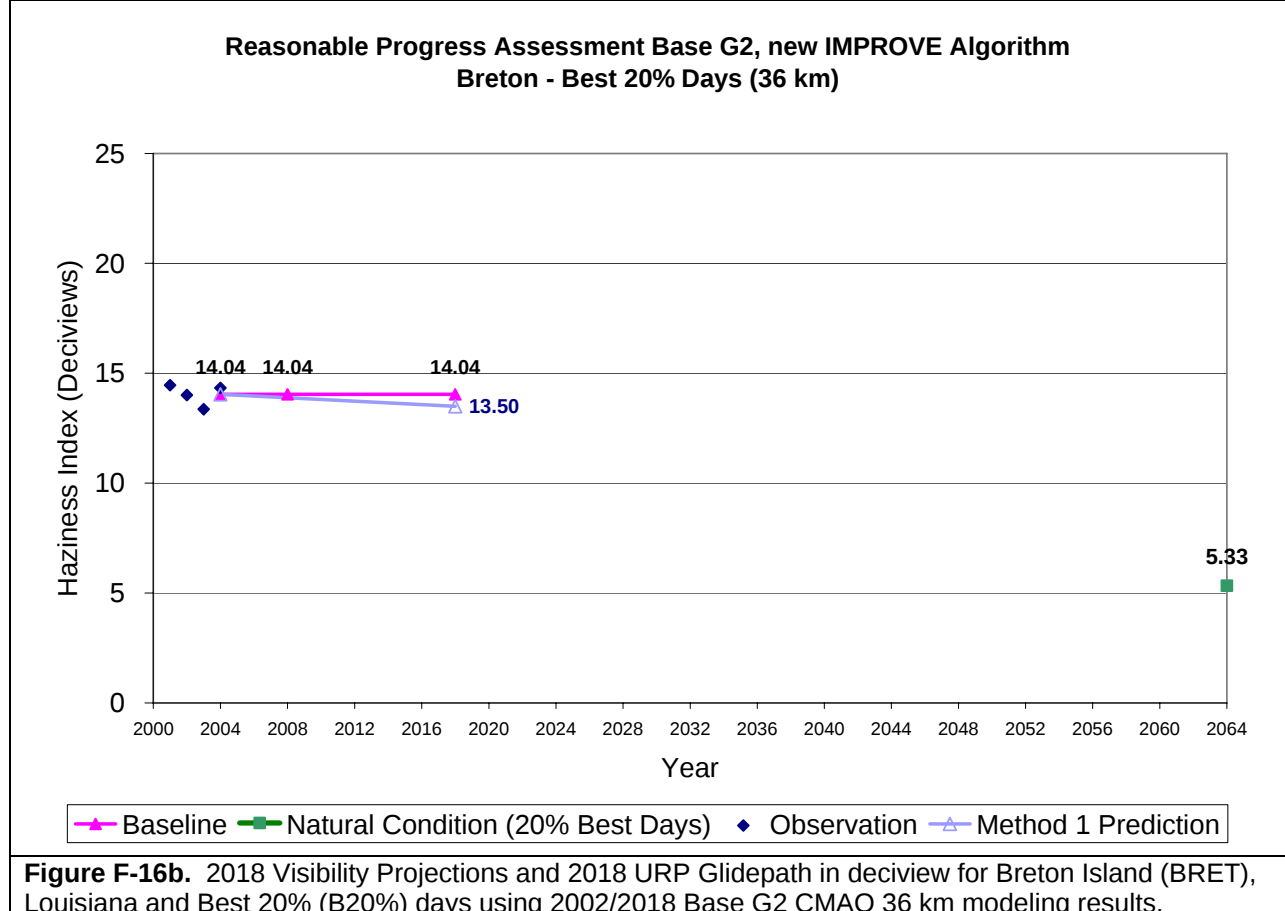


Figure F-16b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Breton Island (BRET), Louisiana and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

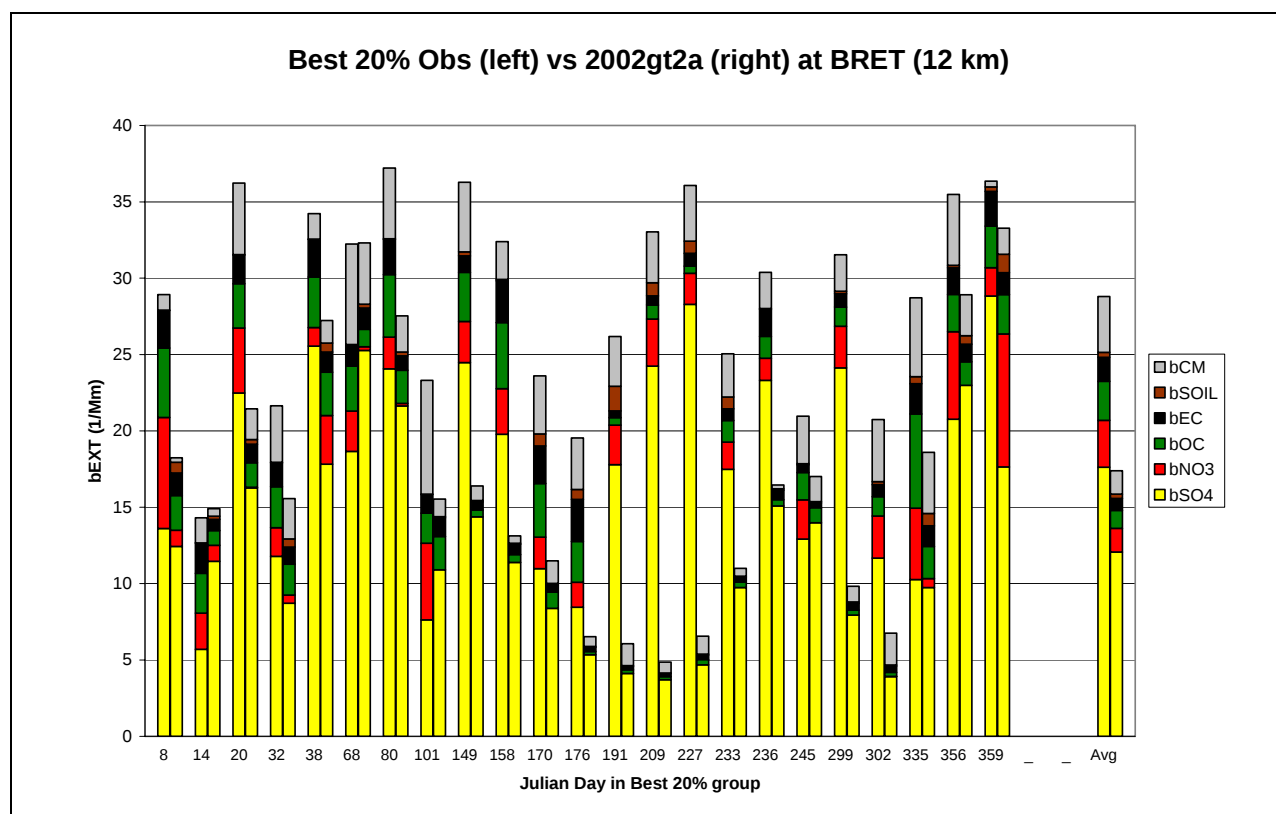


Figure F-16c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Breton Island (BRET), Louisiana and Best 20% (B20%) days in 2002.

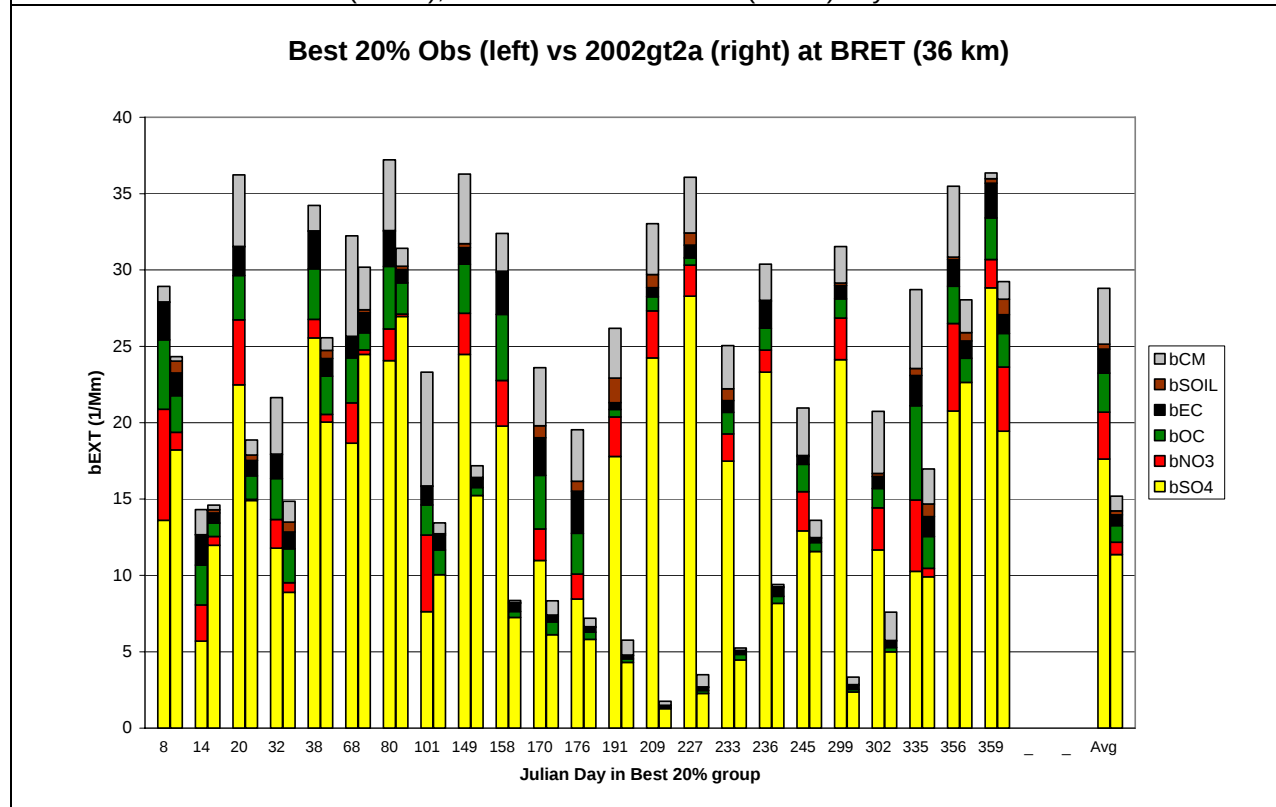


Figure F-16d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Breton Island (BRET), Louisiana and Best 20% (B20%) days in 2002.

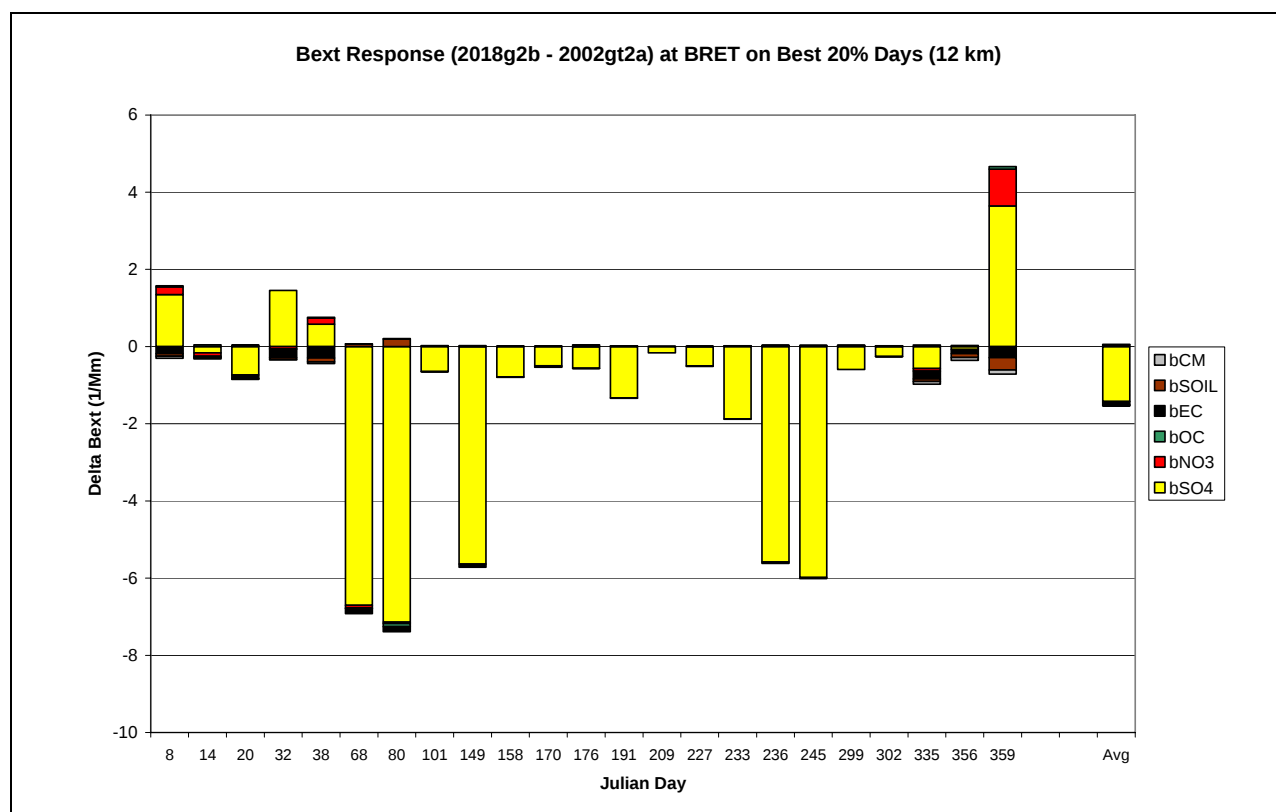


Figure F-16e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Breton Island (BRET), Louisiana and Best 20% (B20%) days in 2002.

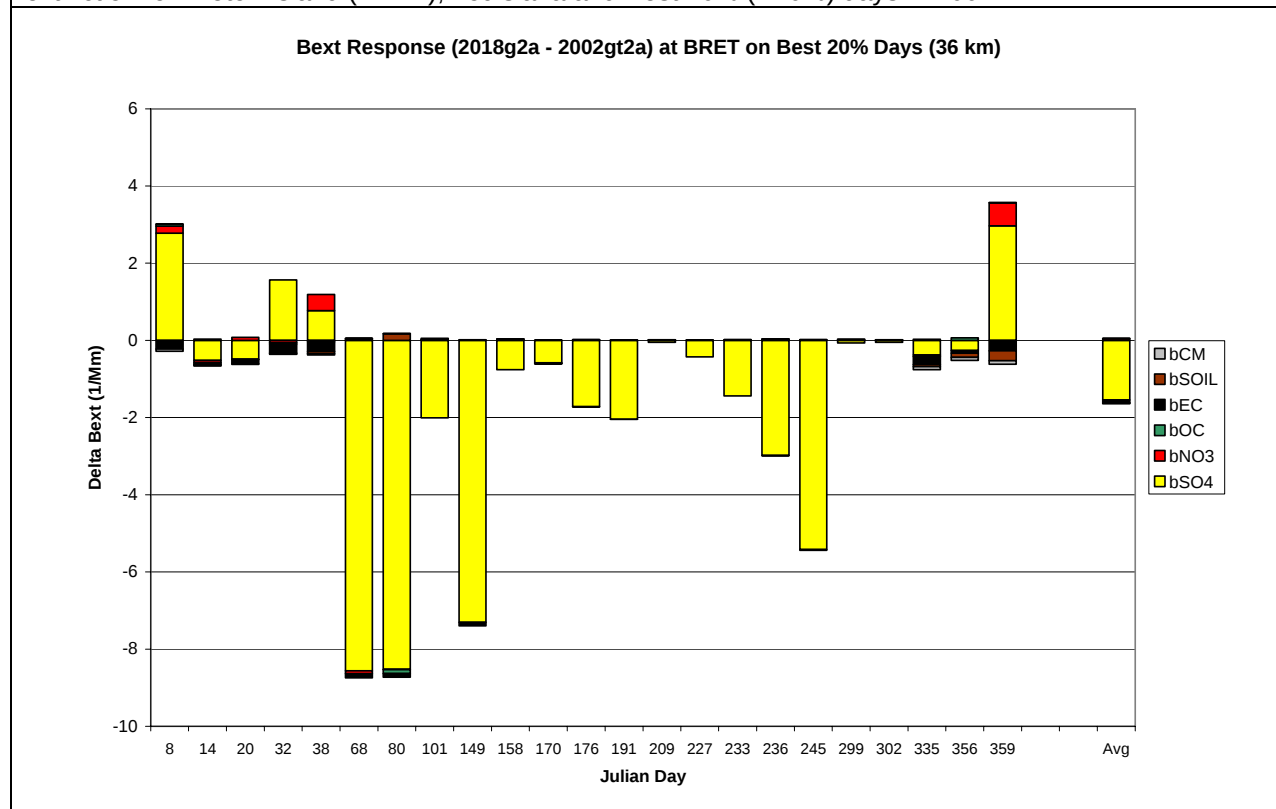


Figure F-16f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Breton Island (BRET), Louisiana and Best 20% (B20%) days in 2002.

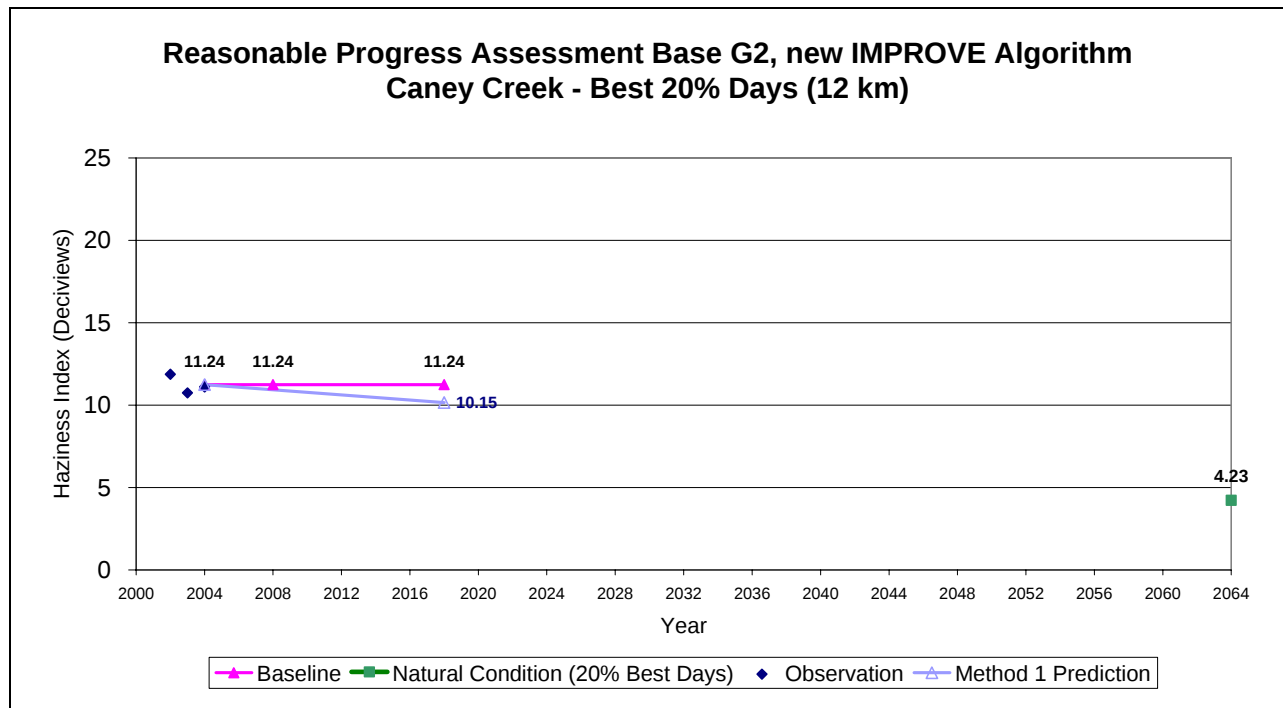


Figure F-17a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Caney Creek (CACR), Arkansas and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

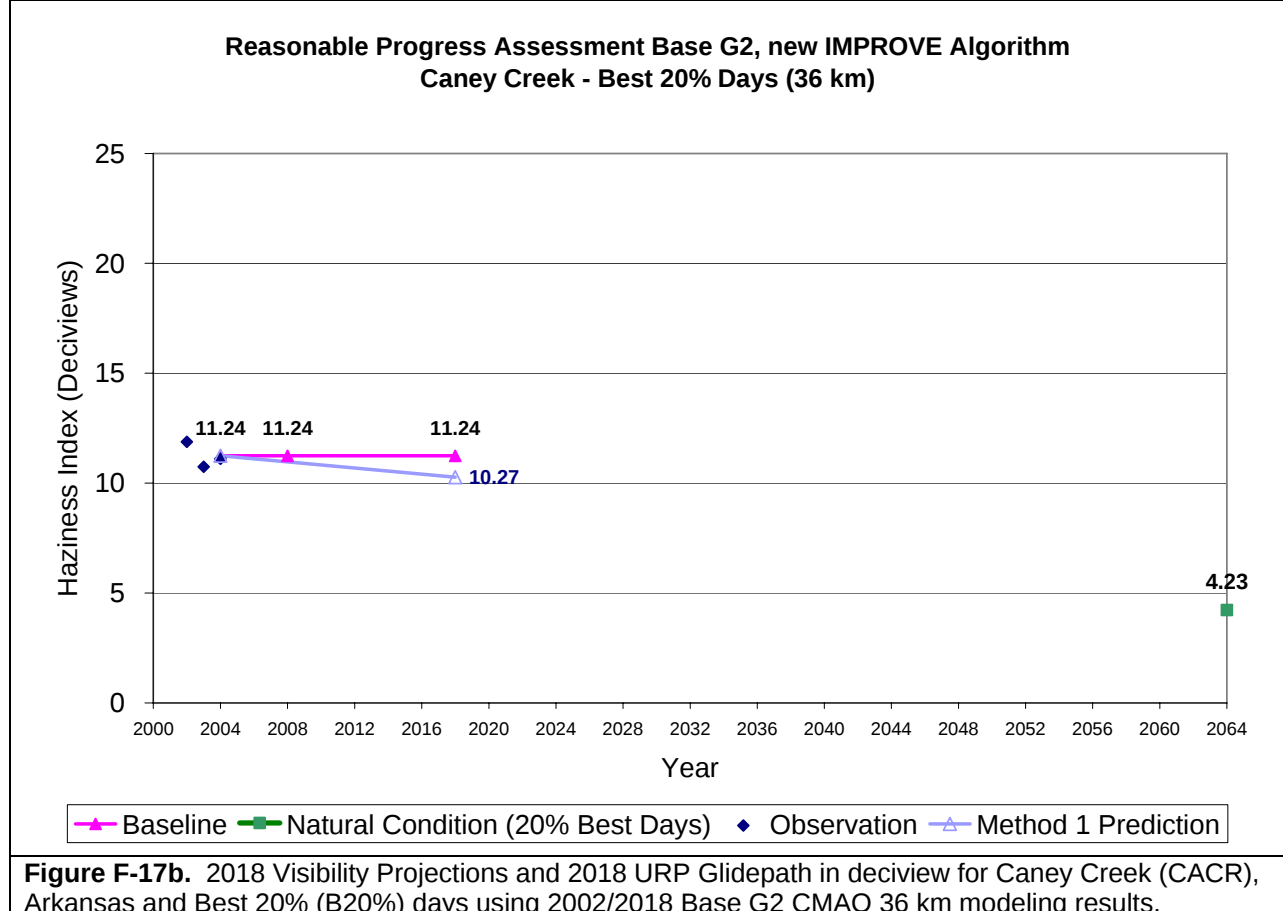


Figure F-17b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Caney Creek (CACR), Arkansas and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

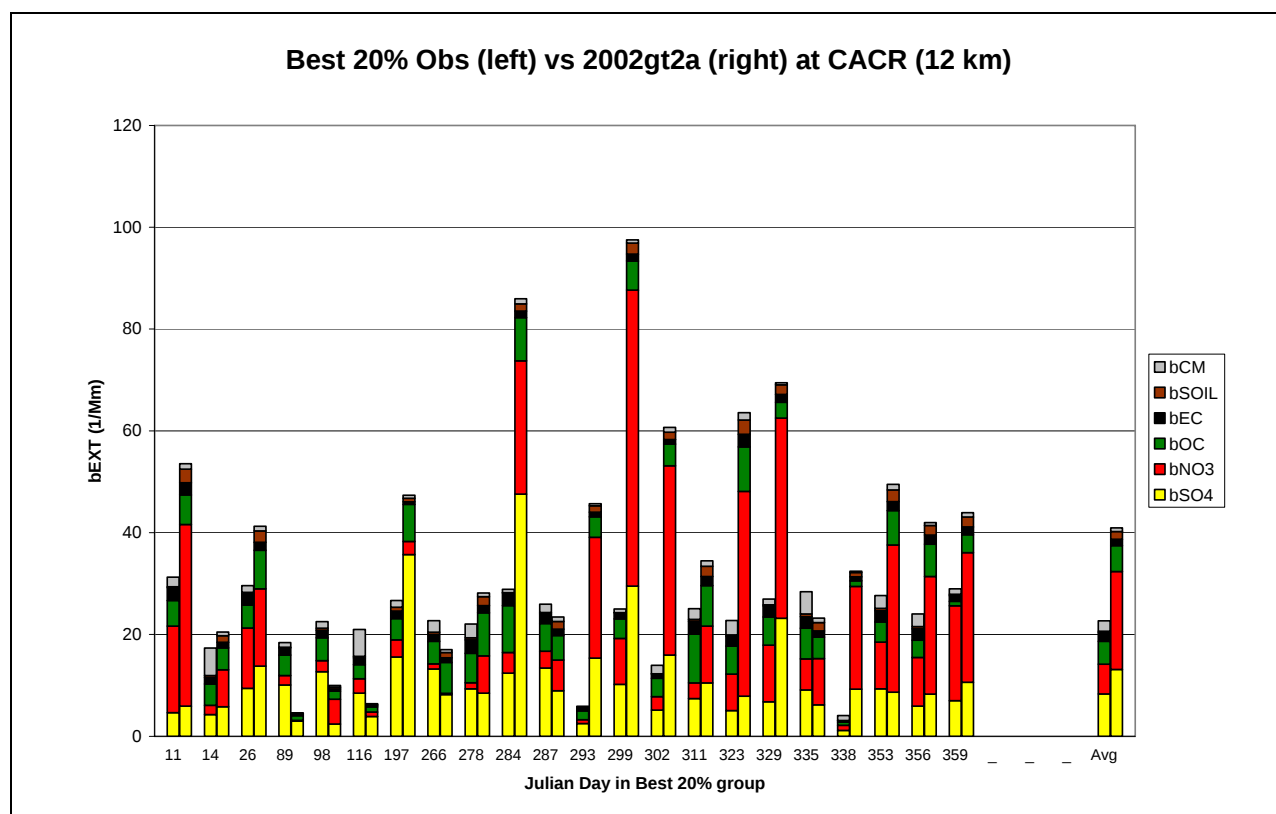


Figure F-17c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Caney Creek (CACR), Arkansas and Best 20% (B20%) days in 2002.

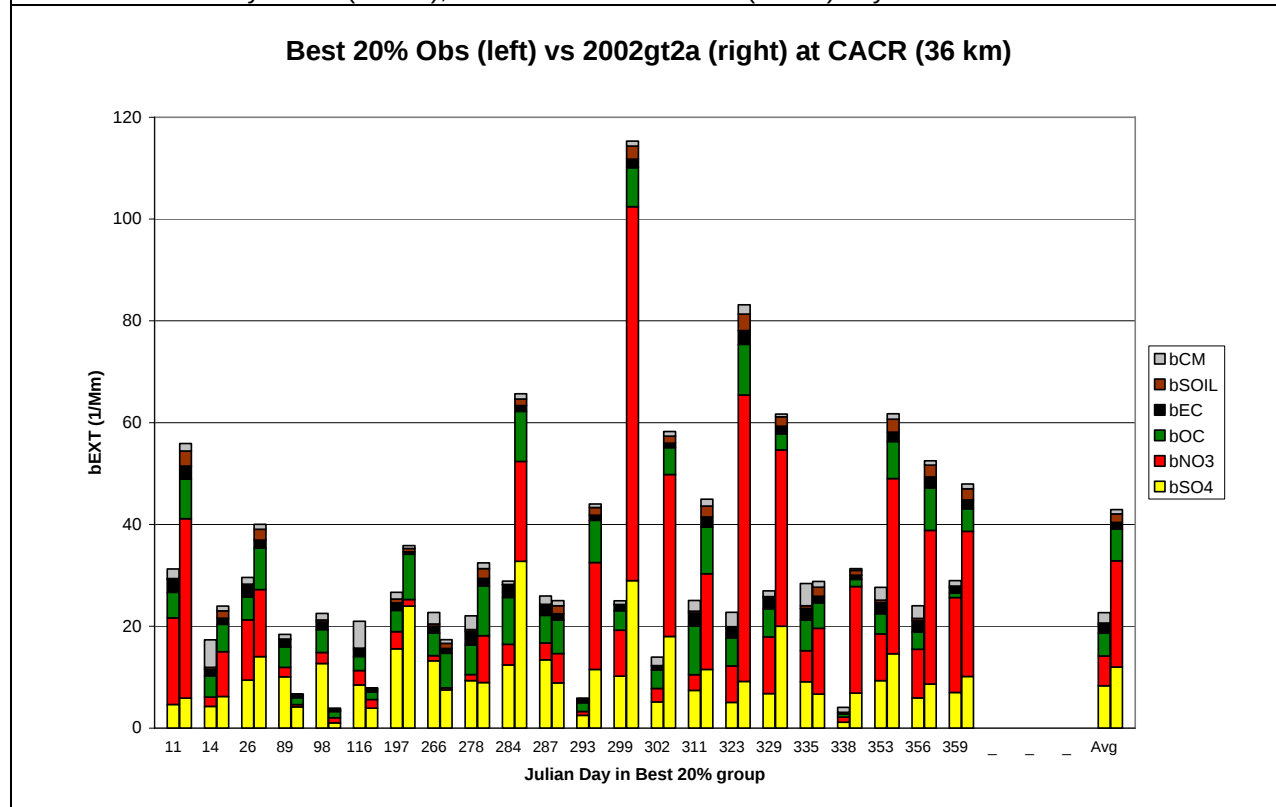


Figure F-17d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Caney Creek (CACR), Arkansas and Best 20% (B20%) days in 2002.

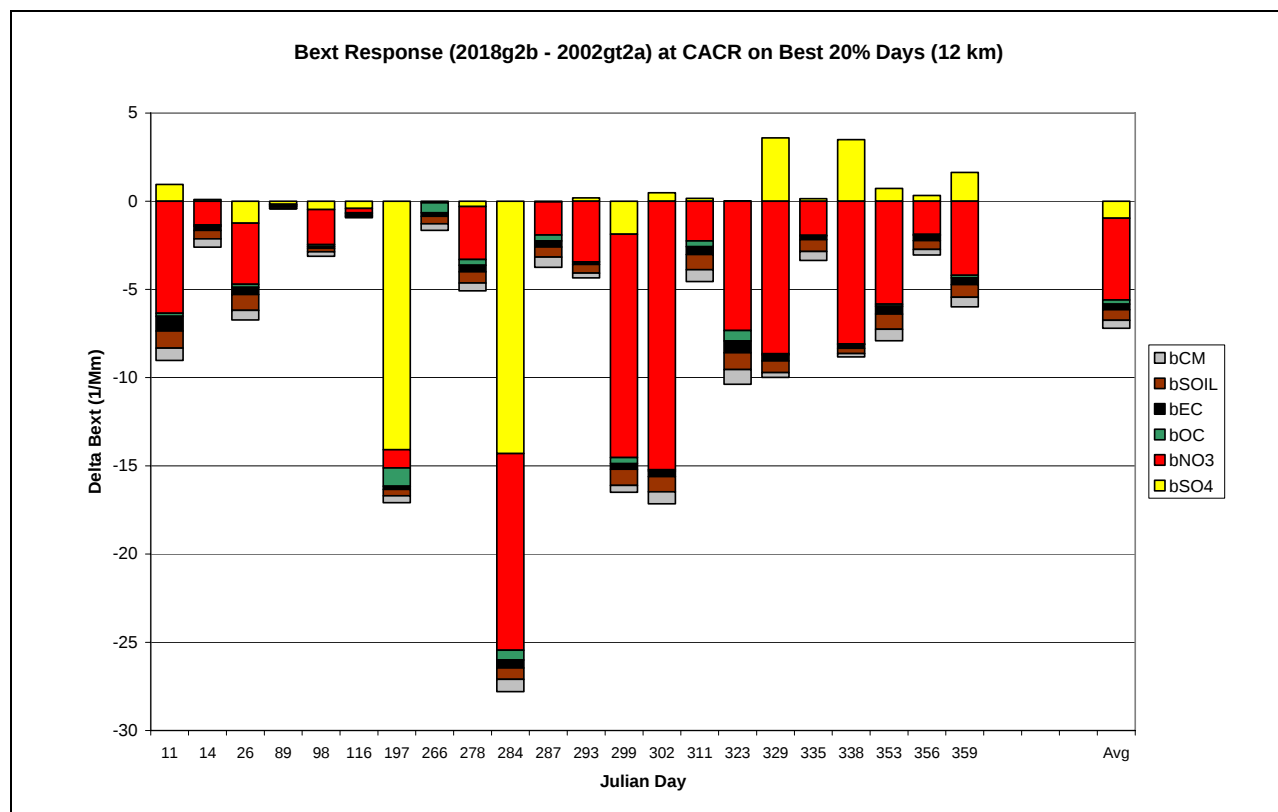


Figure F-17e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Caney Creek (CACR), Arkansas and Best 20% (B20%) days in 2002.

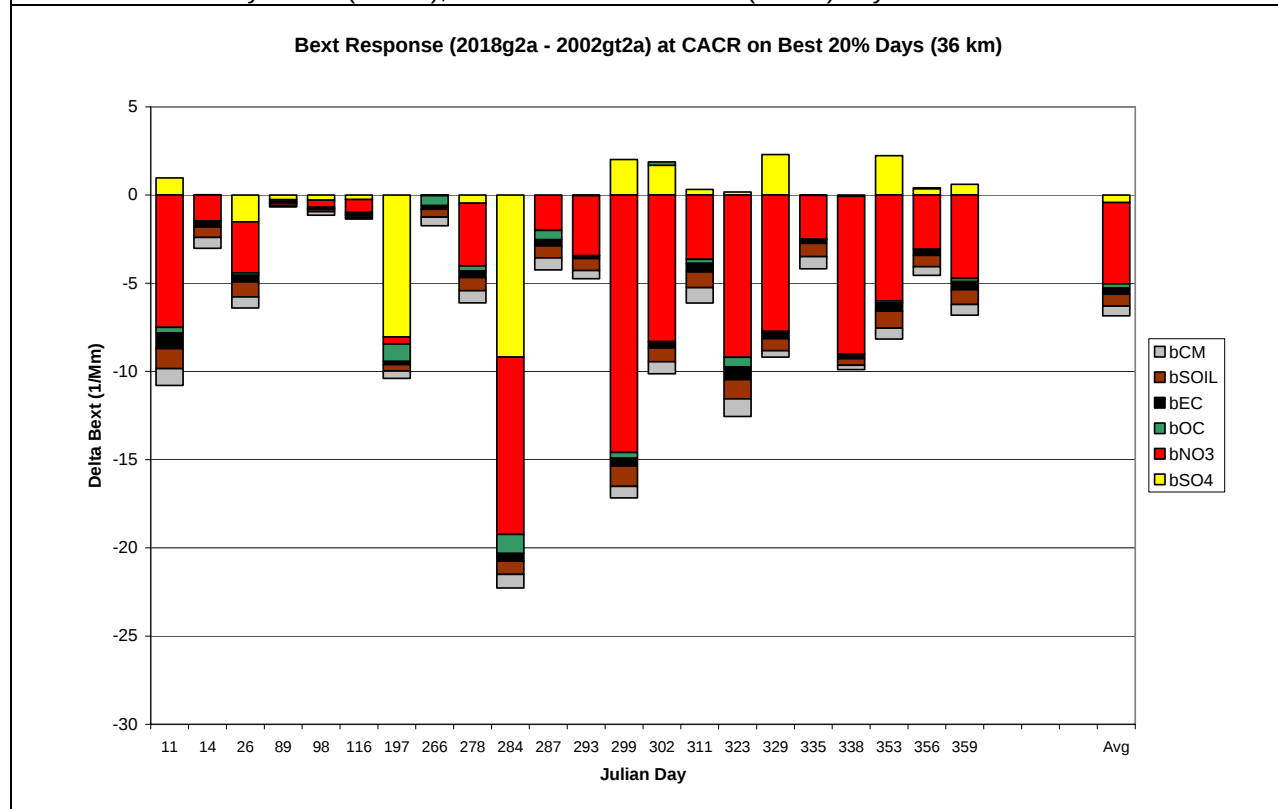


Figure F-17f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Caney Creek (CACR), Arkansas and Best 20% (B20%) days in 2002.

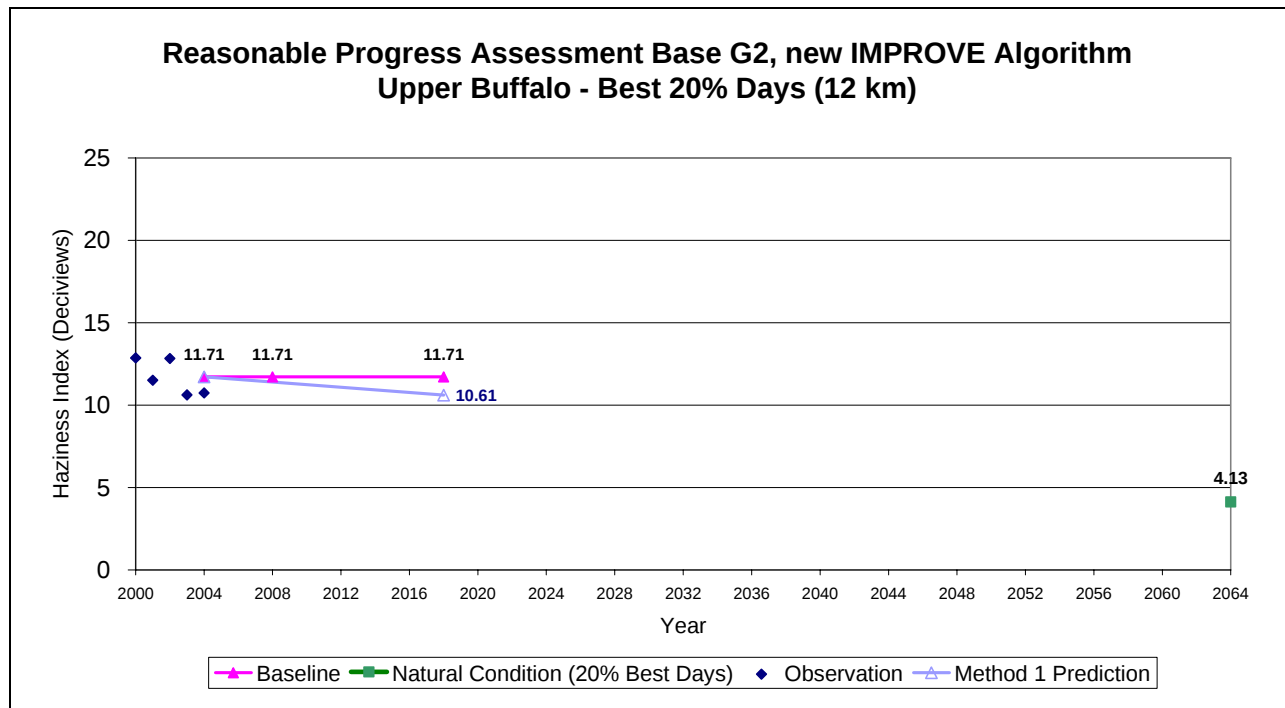


Figure F-18a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Upper Buffalo (UPBU), Arkansas and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

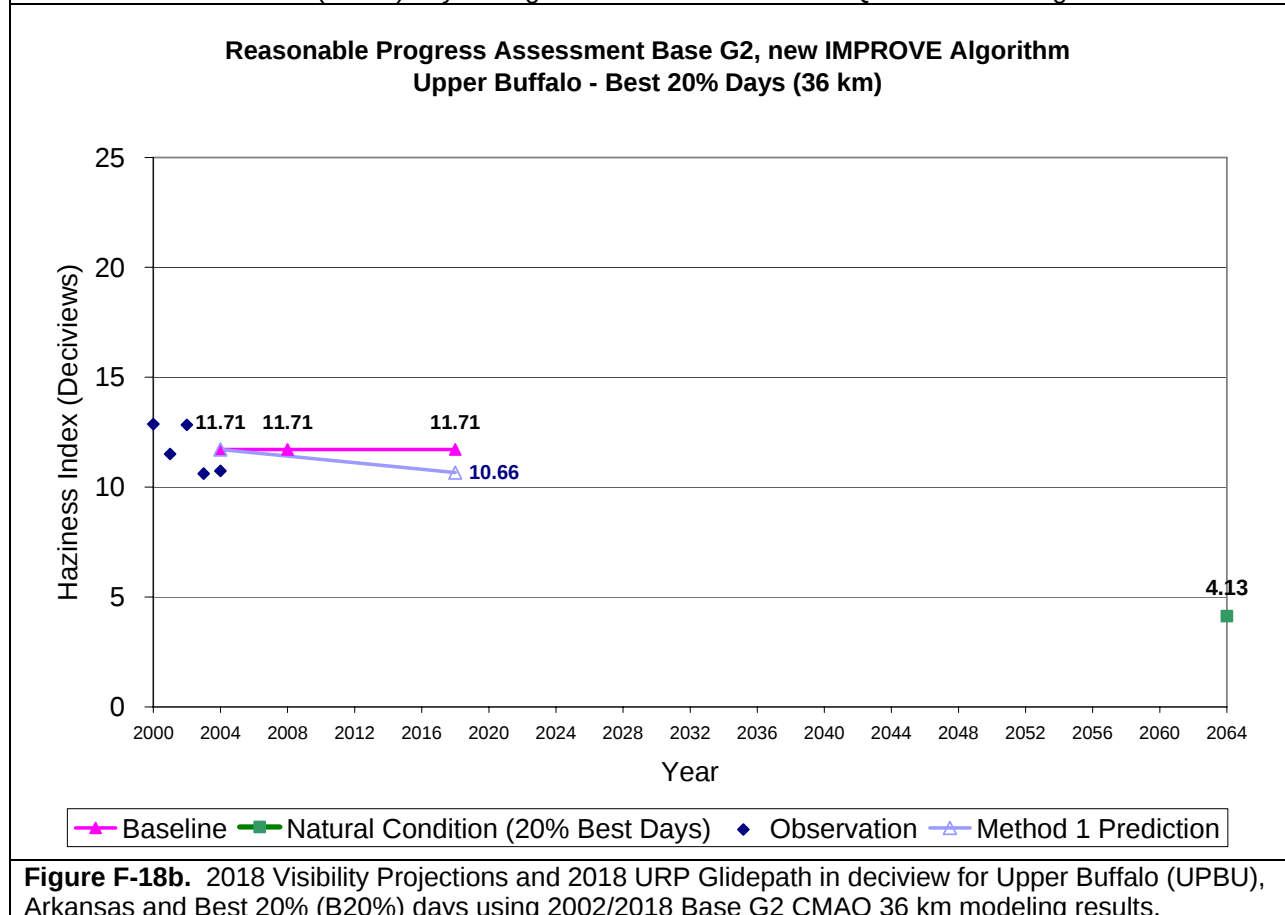


Figure F-18b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Upper Buffalo (UPBU), Arkansas and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

Best 20% Obs (left) vs 2002gt2a (right) at UPBU (12 km)

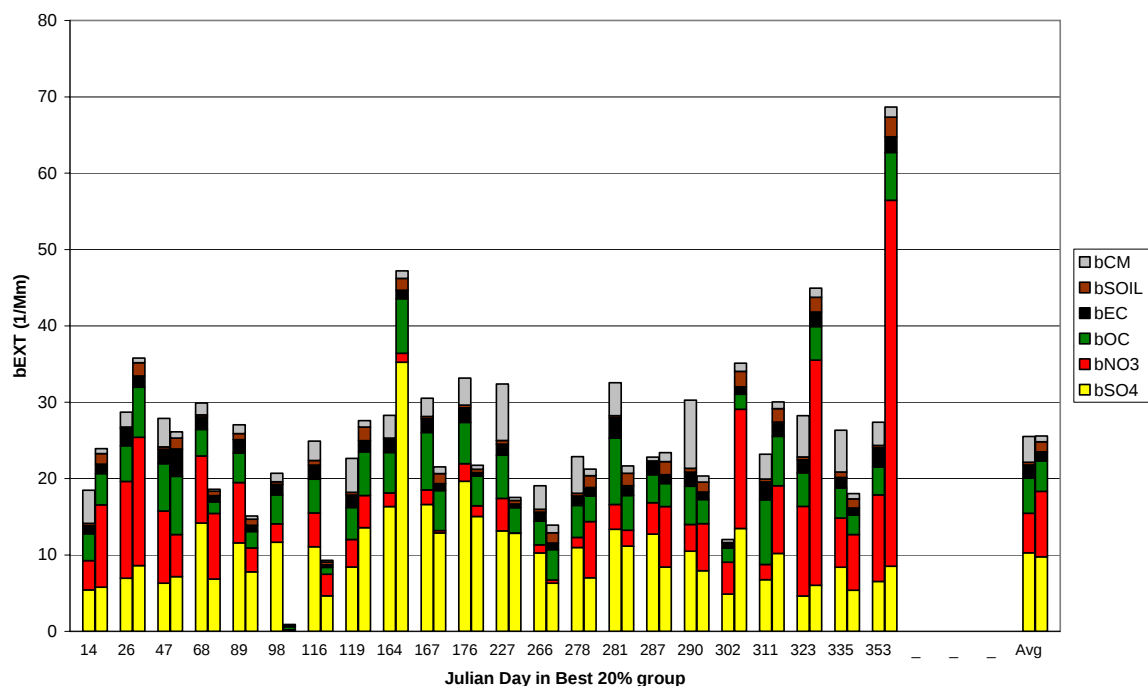


Figure F-18c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Upper Buffalo (UPBU), Arkansas and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at UPBU (36 km)

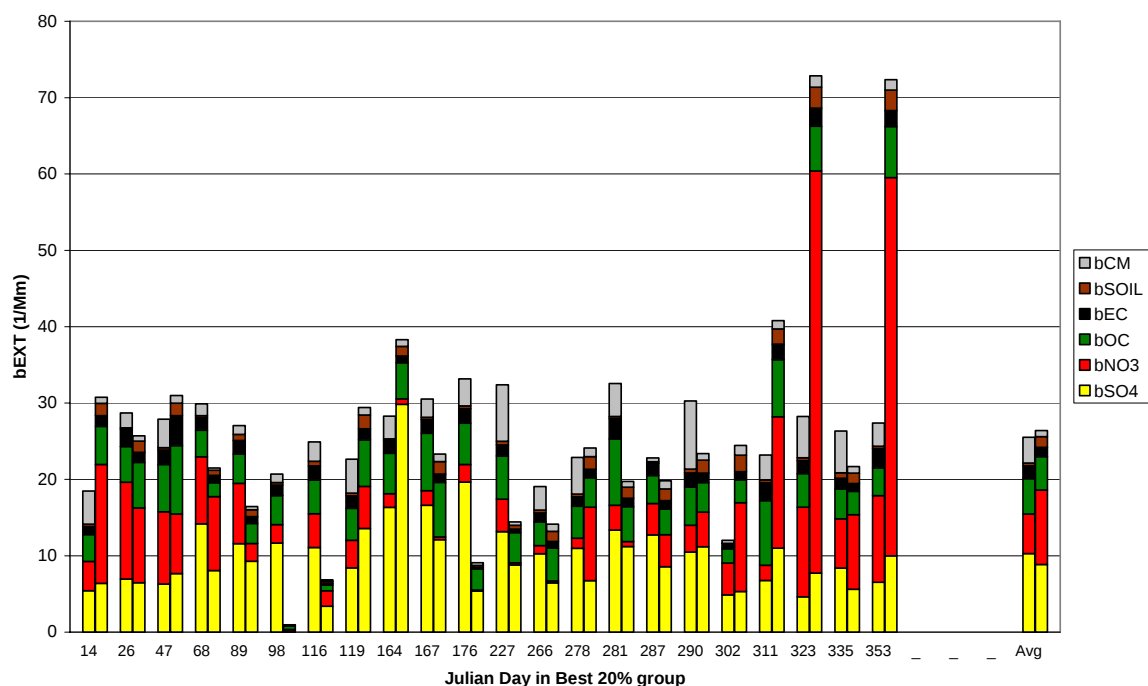


Figure F-18d. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Upper Buffalo (UPBU), Arkansas and Best 20% (B20%) days in 2002

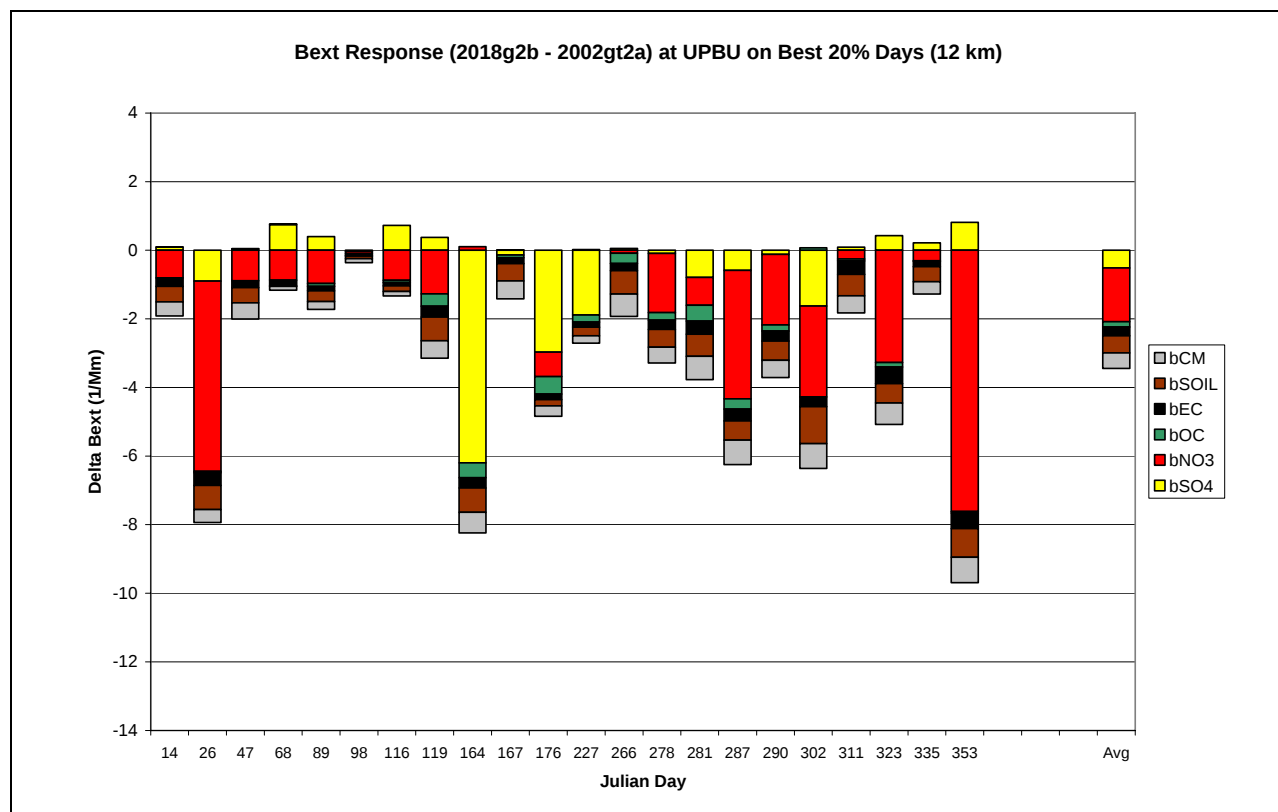


Figure F-18e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Upper Buffalo (UPBU), Arkansas and Best 20% (B20%) days in 2002.

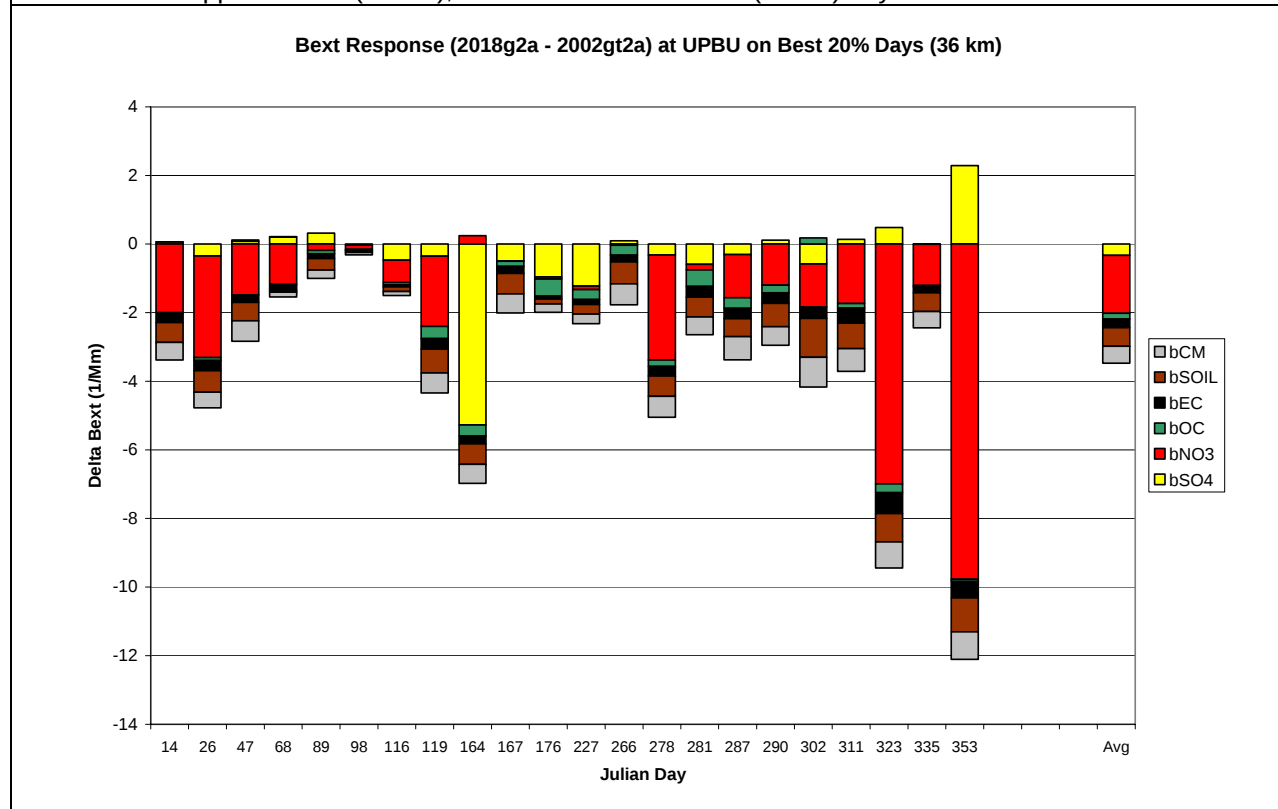


Figure F-18f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Upper Buffalo (UPBU), Arkansas and Best 20% (B20%) days in 2002.

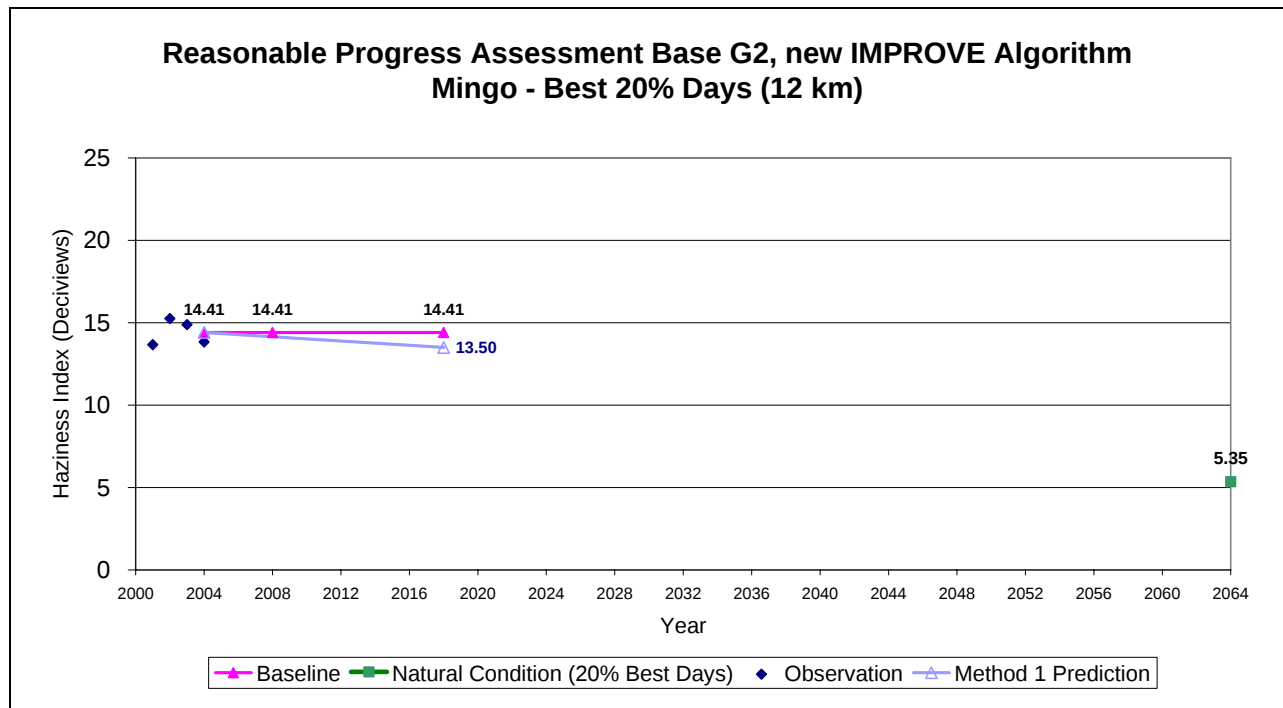


Figure F-19a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Mingo (MING), Missouri and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

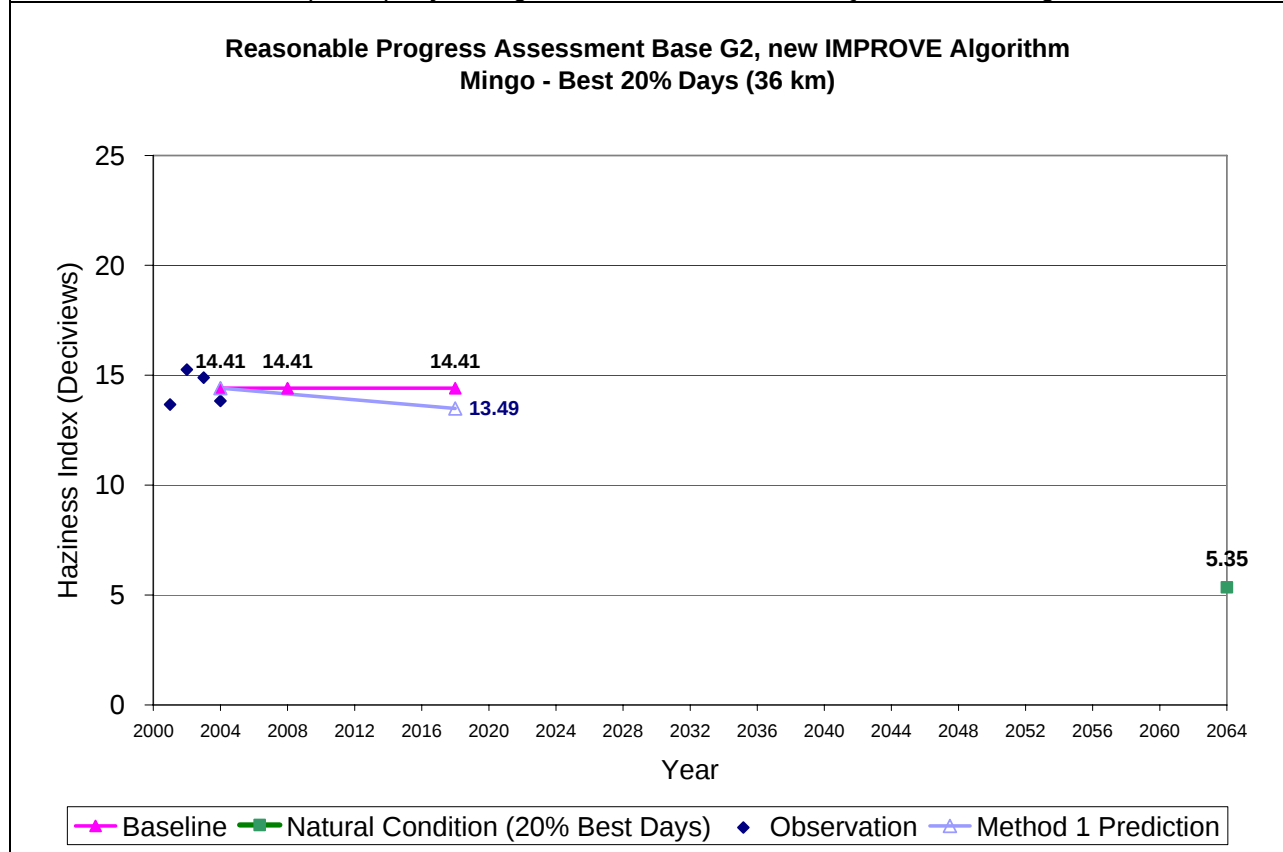


Figure F-19b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Mingo (MING), Missouri and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results..

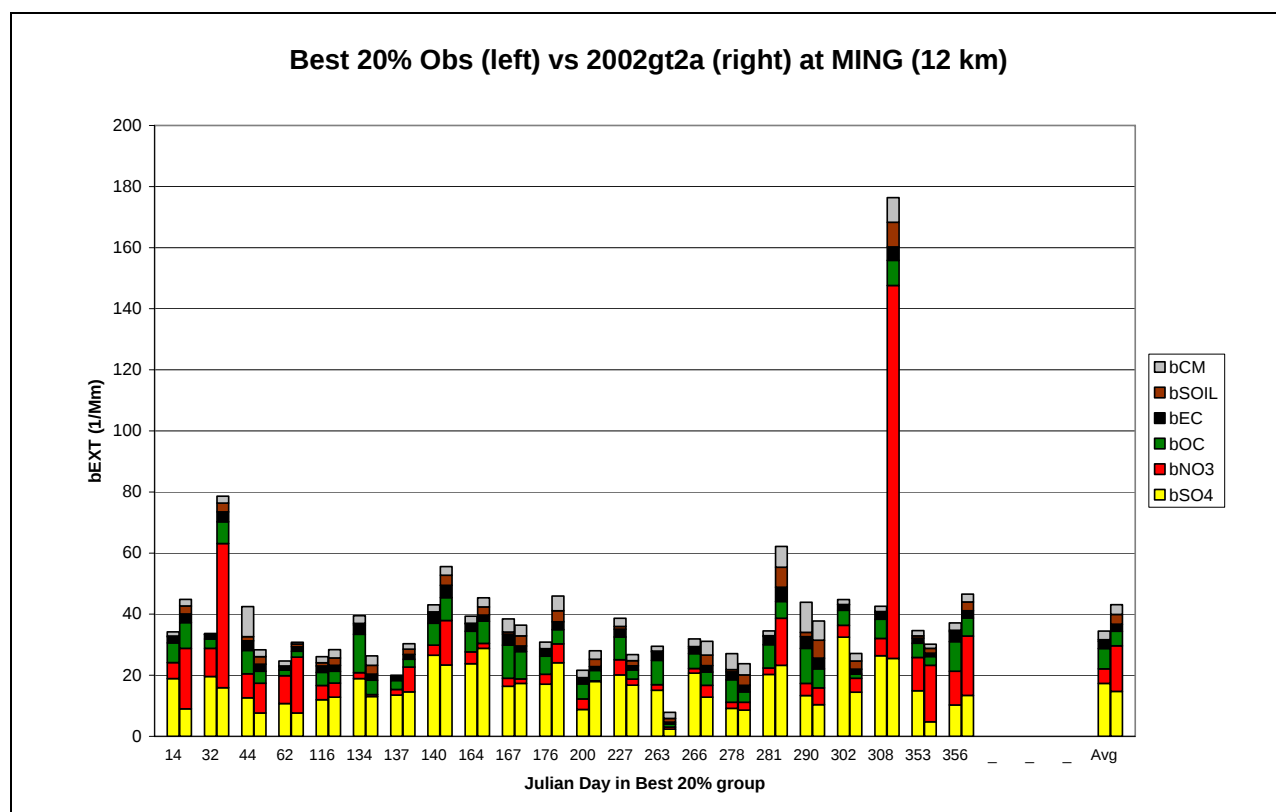


Figure F-19c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Mingo (MING), Missouri and Best 20% (B20%) days in 2002.

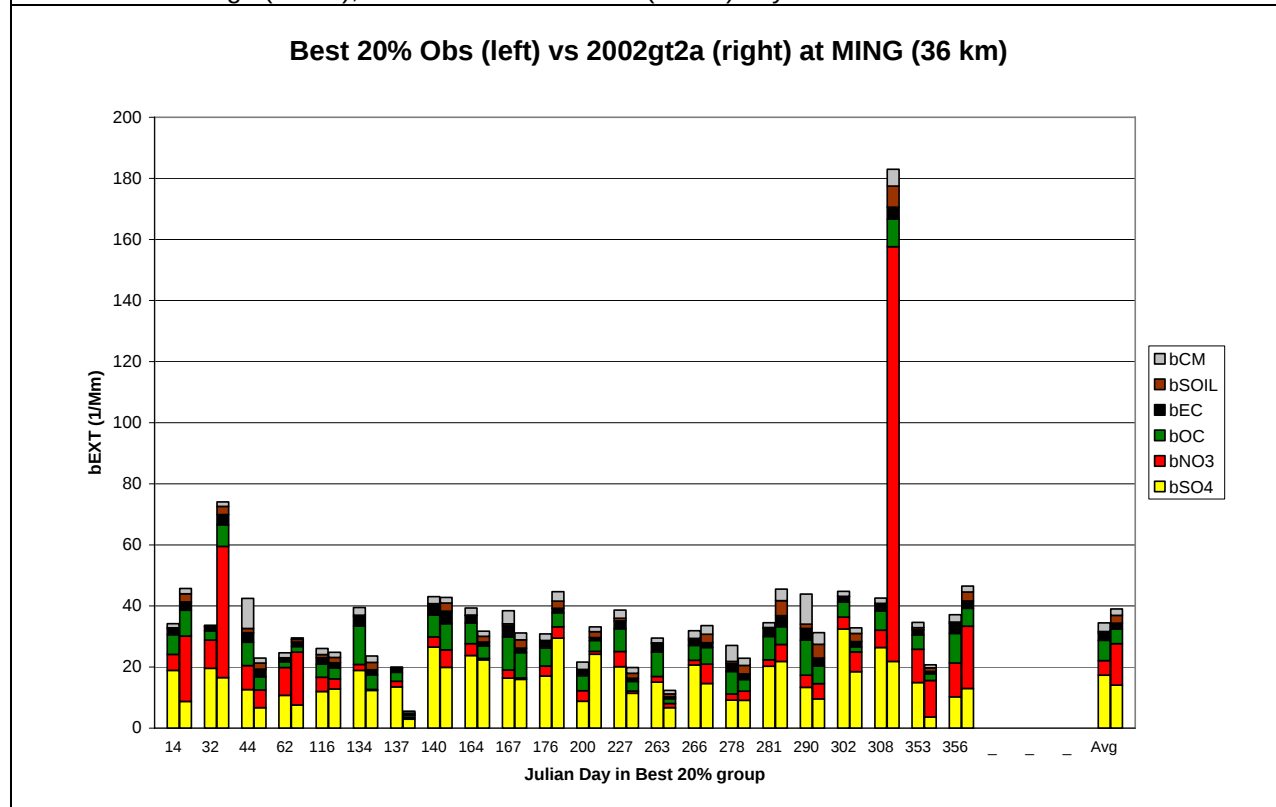


Figure F-19d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Mingo (MING), Missouri and Best 20% (B20%) days in 2002.

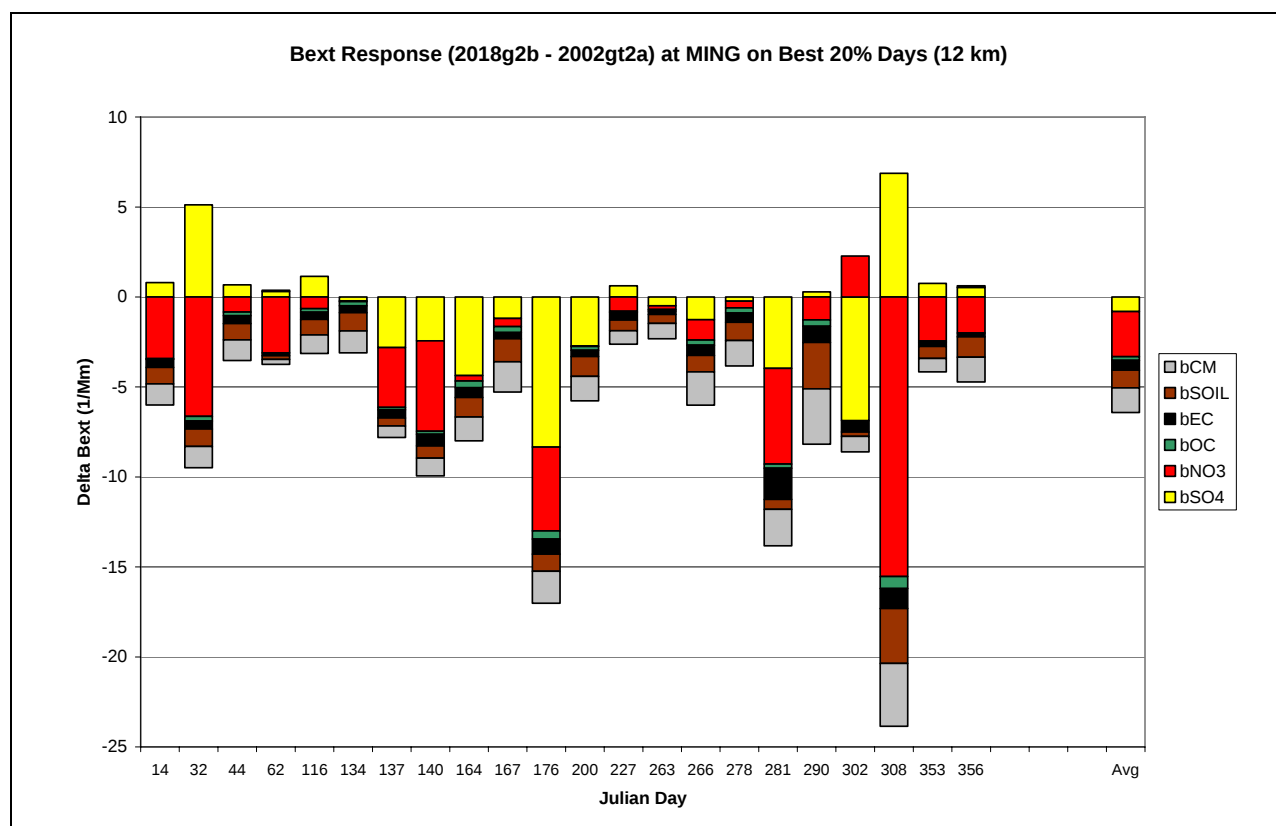


Figure F-19e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Mingo (MING), Missouri and Best 20% (B20%) days in 2002.

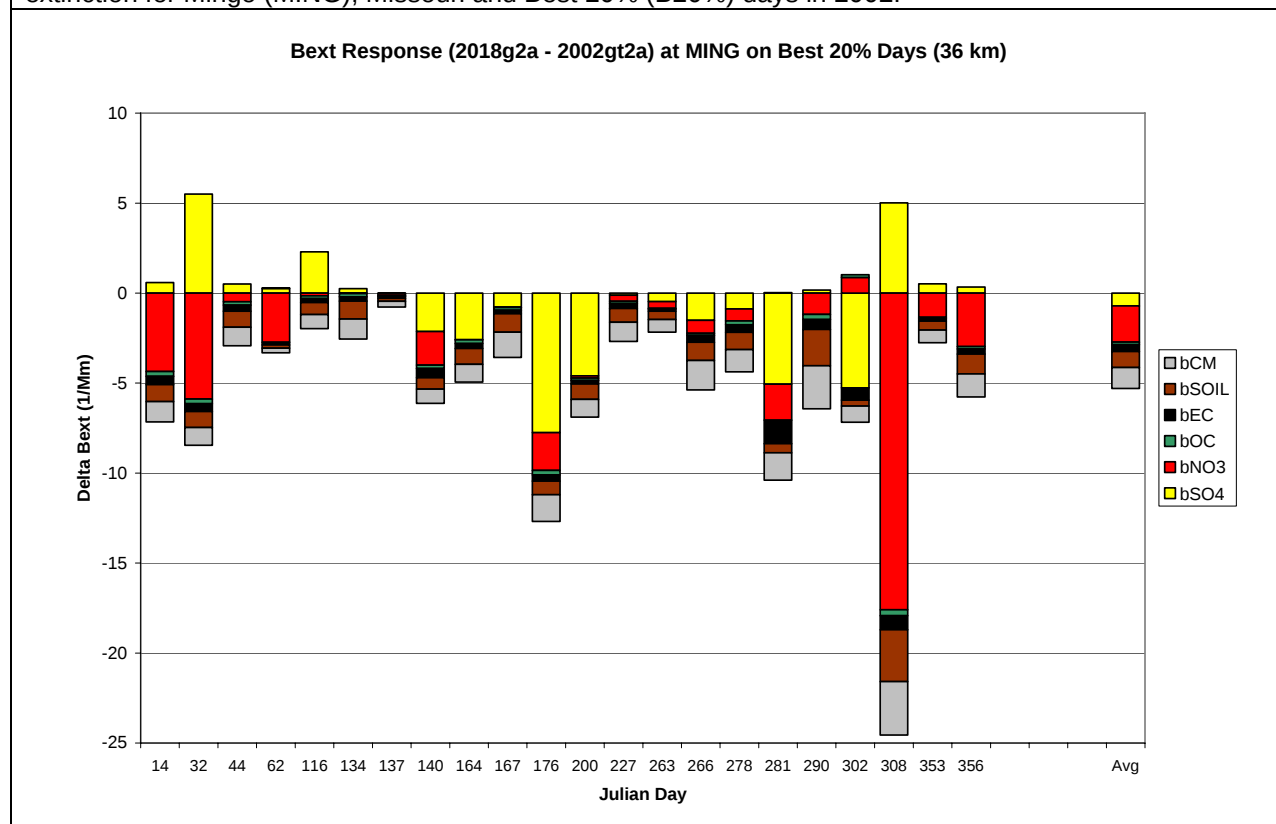


Figure F-19f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Mingo (MING), Missouri and Best 20% (B20%) days in 2002.

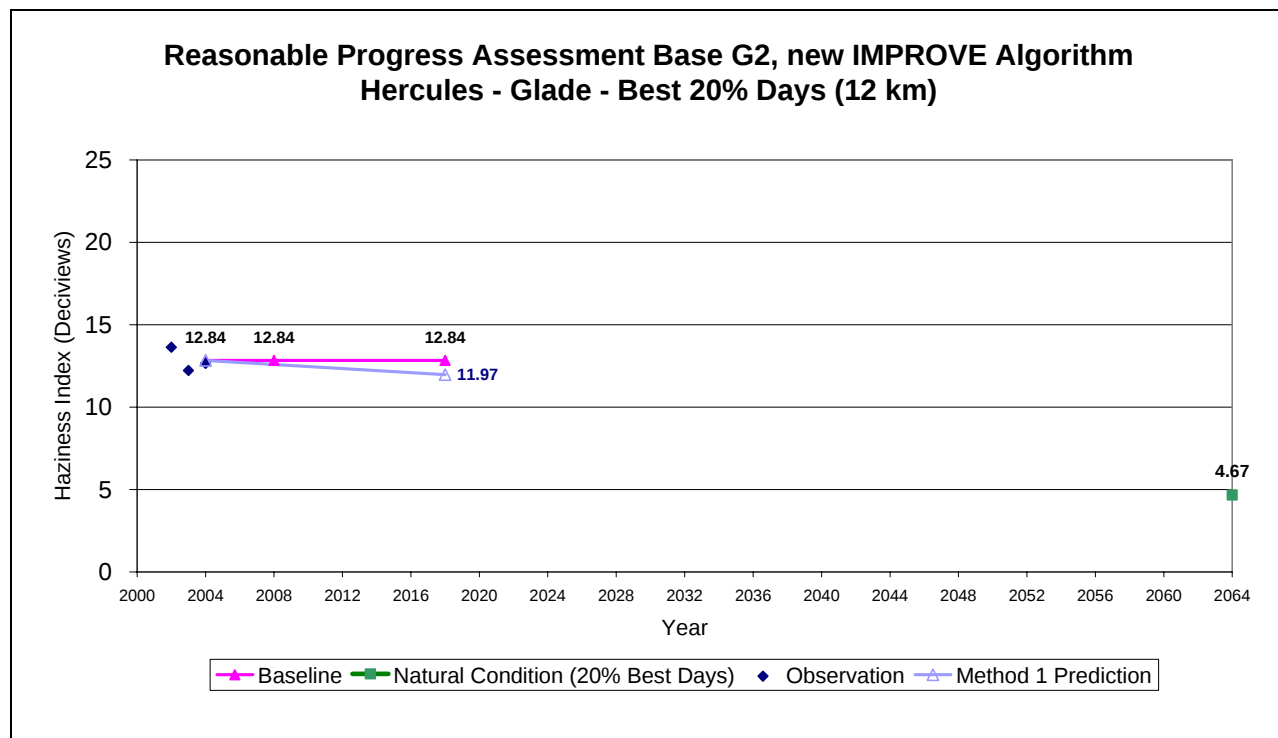


Figure F-20a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Hercules Glade (HEGL), Missouri and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

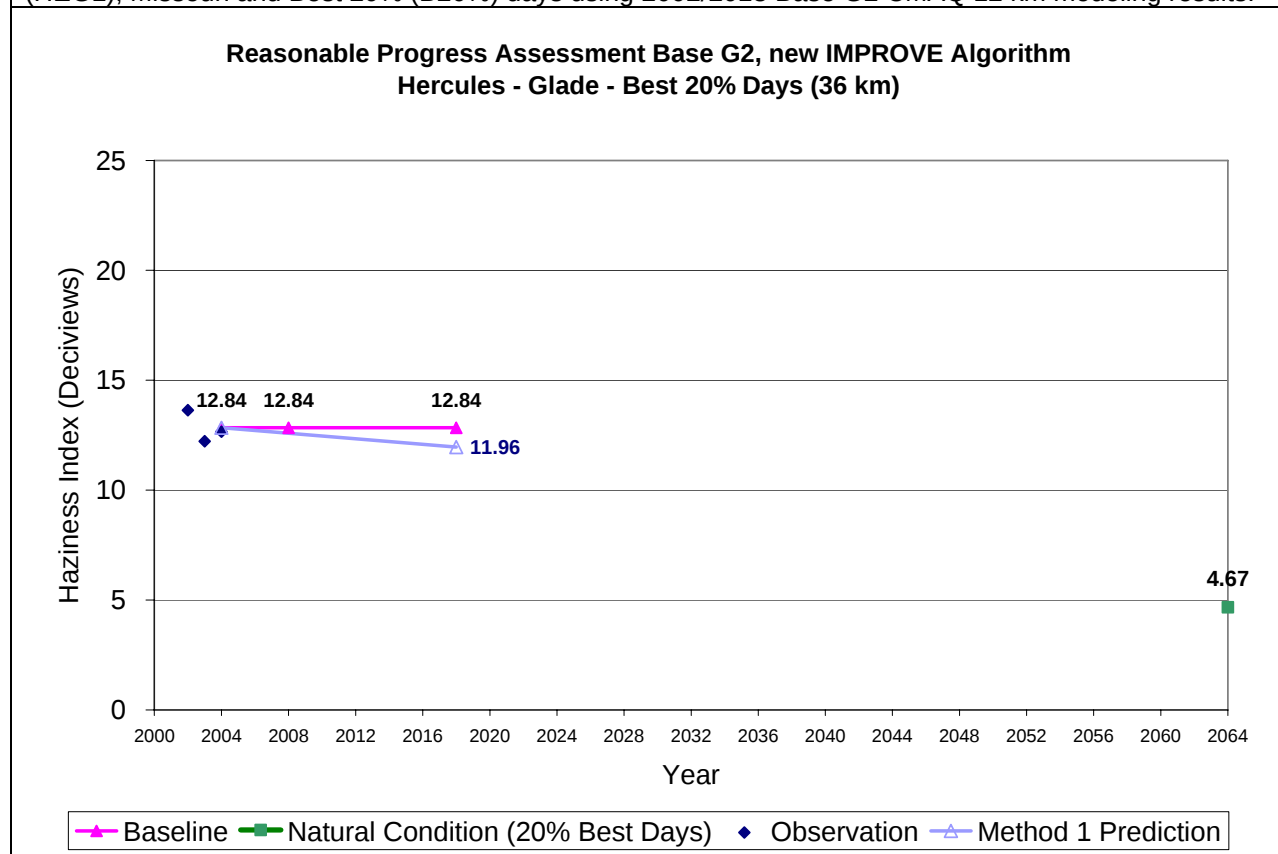


Figure F-20b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Hercules Glade (HEGL), Missouri and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

Best 20% Obs (left) vs 2002gt2a (right) at HEGL (12 km)

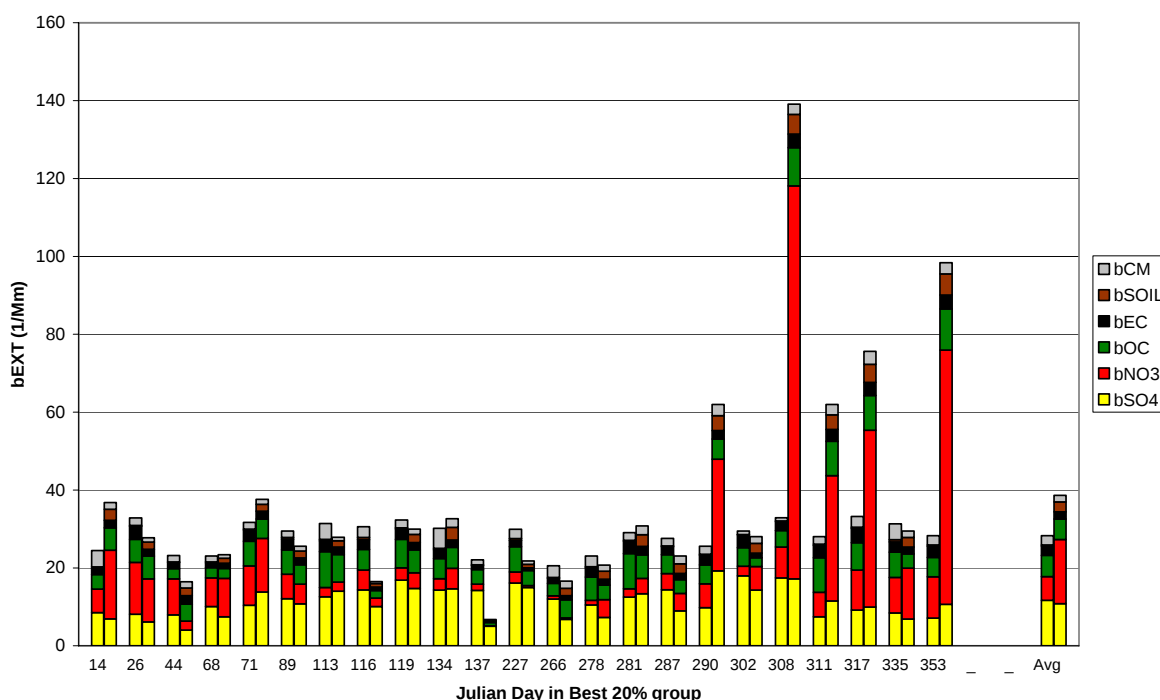


Figure F-20c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Hercules Glade (HEGL), Missouri and Best 20% (B20%) days in 2002.

Best 20% Obs (left) vs 2002gt2a (right) at HEGL (36 km)

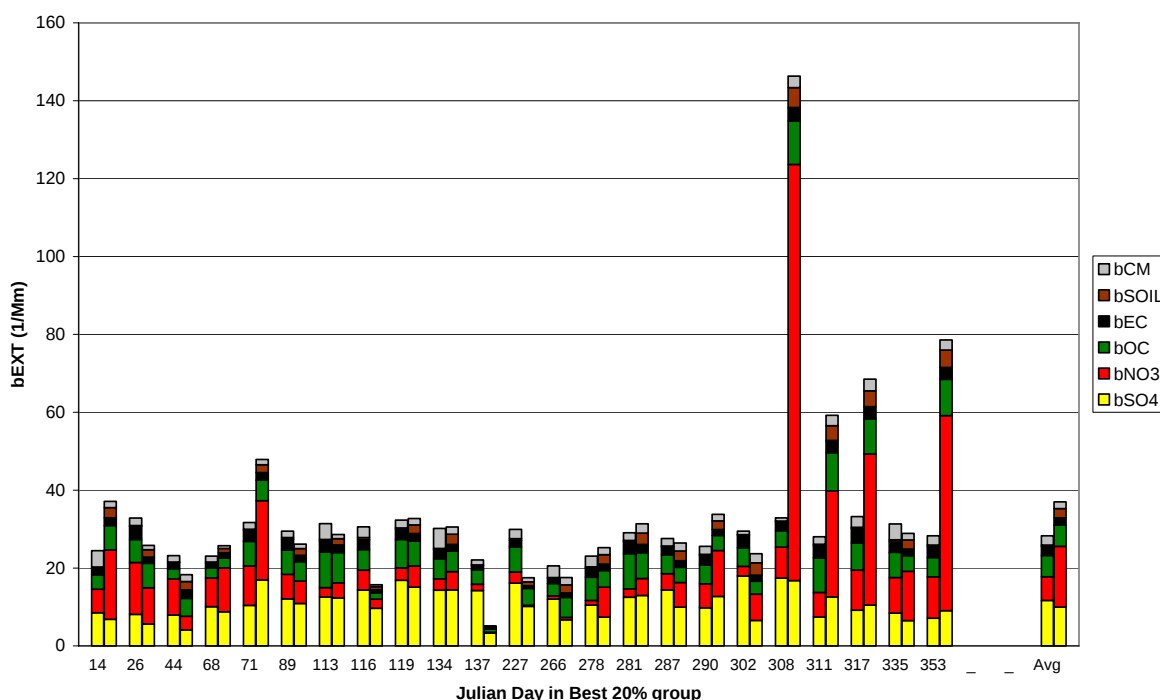


Figure F-20d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Hercules Glade (HEGL), Missouri and Best 20% (B20%) days in 2002.

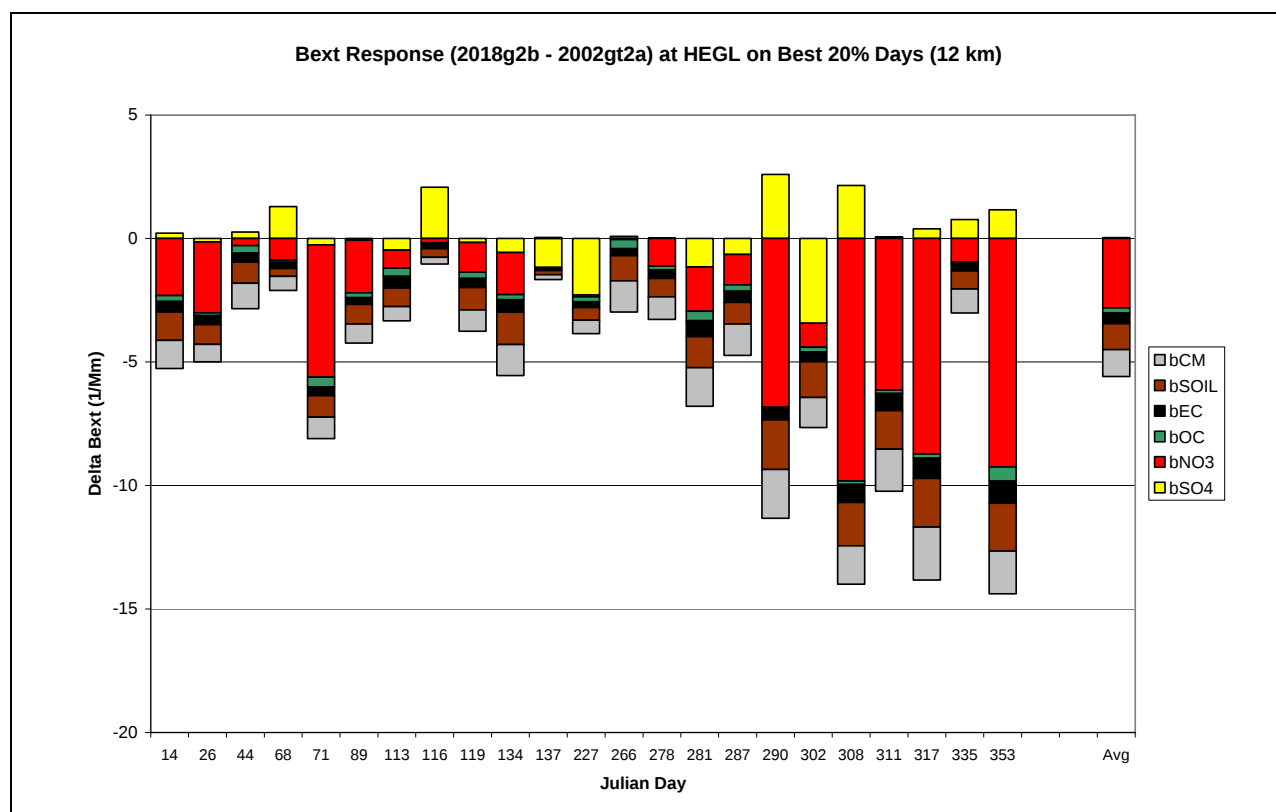


Figure F-20e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Hercules Glade (HEGL), Missouri and Best 20% (B20%) days in 2002.

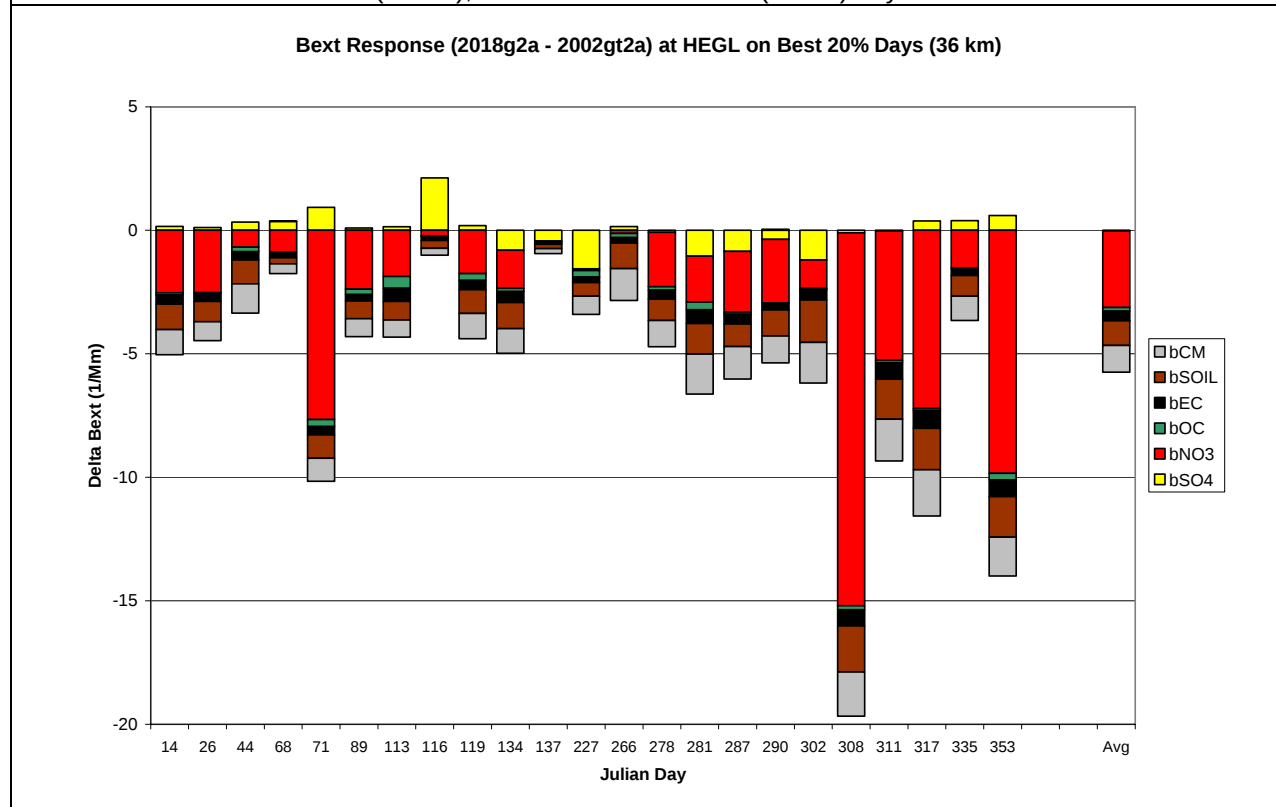


Figure F-20f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Hercules Glade (HEGL), Missouri and Best 20% (B20%) days in 2002.

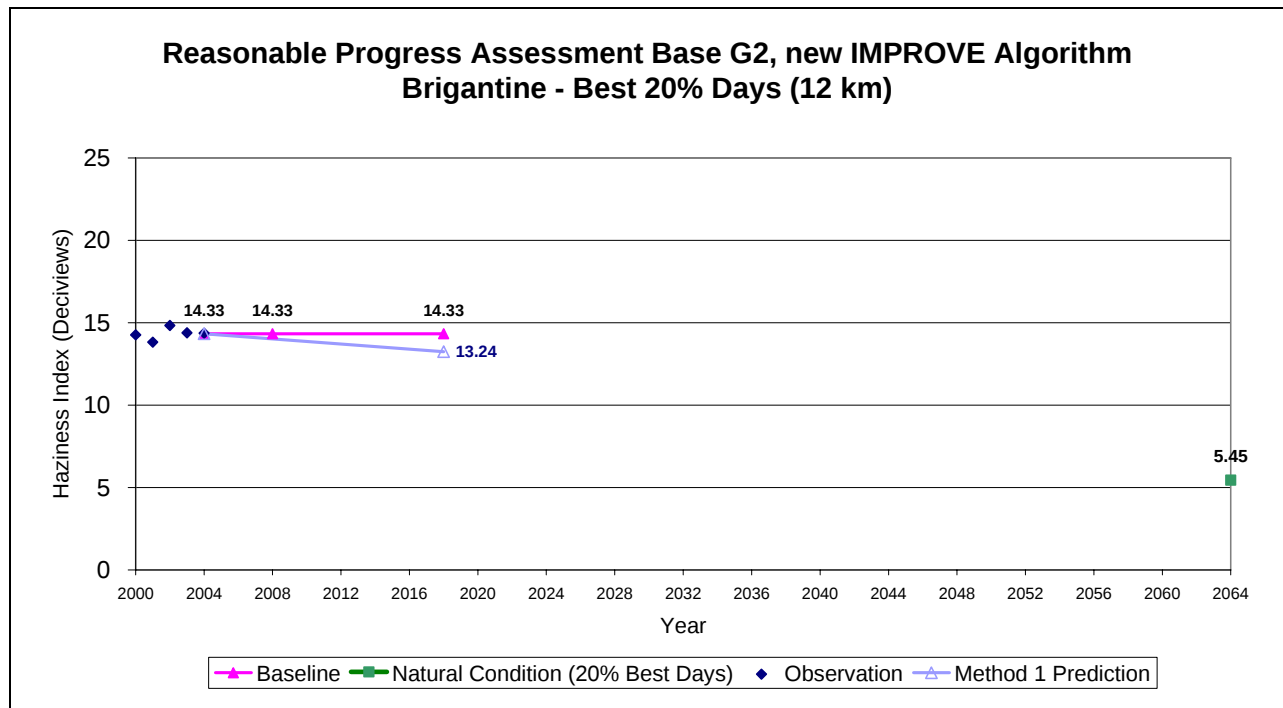


Figure F-21a. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Brigantine (BRIG), New Jersey and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 12 km modeling results.

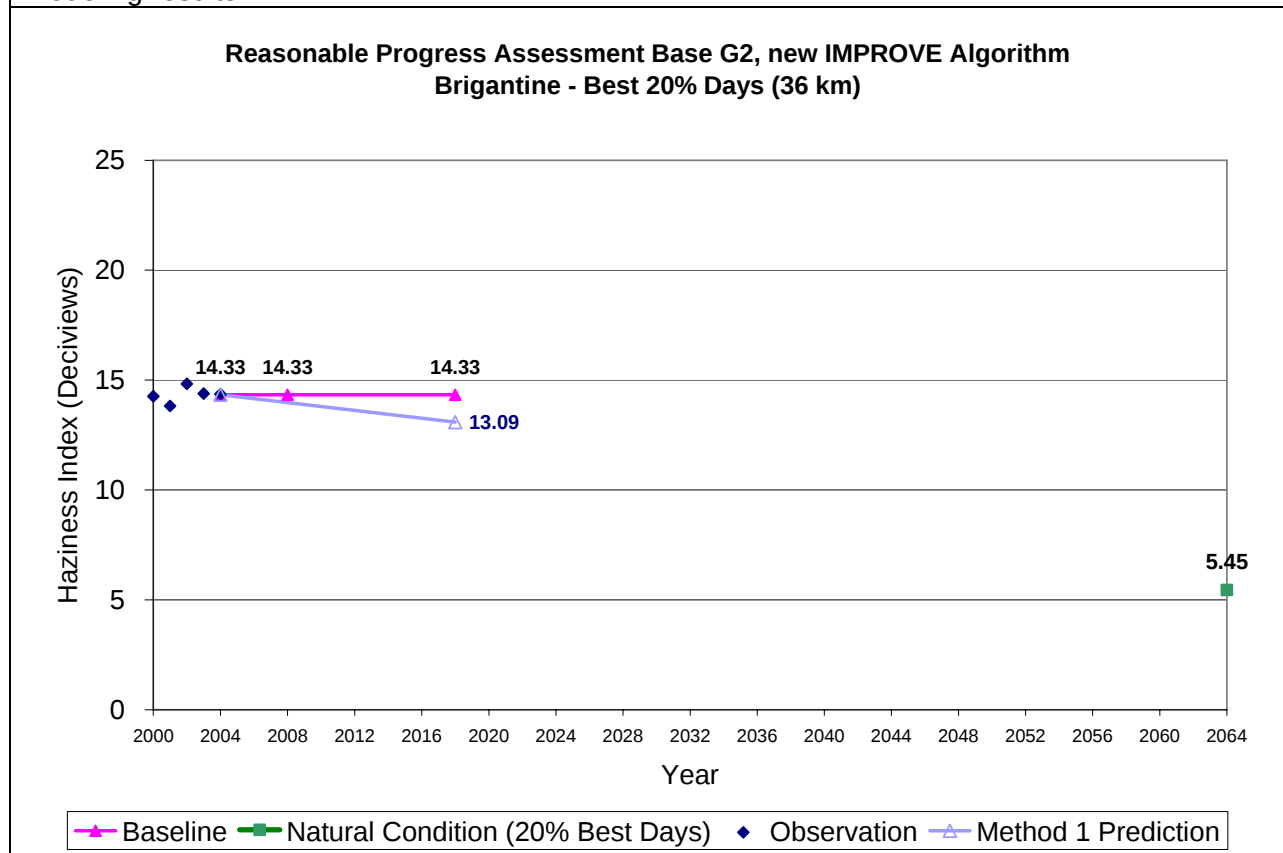


Figure F-21b. 2018 Visibility Projections and 2018 URP Glidepath in deciview for Brigantine (BRIG), New Jersey and Best 20% (B20%) days using 2002/2018 Base G2 CMAQ 36 km modeling results.

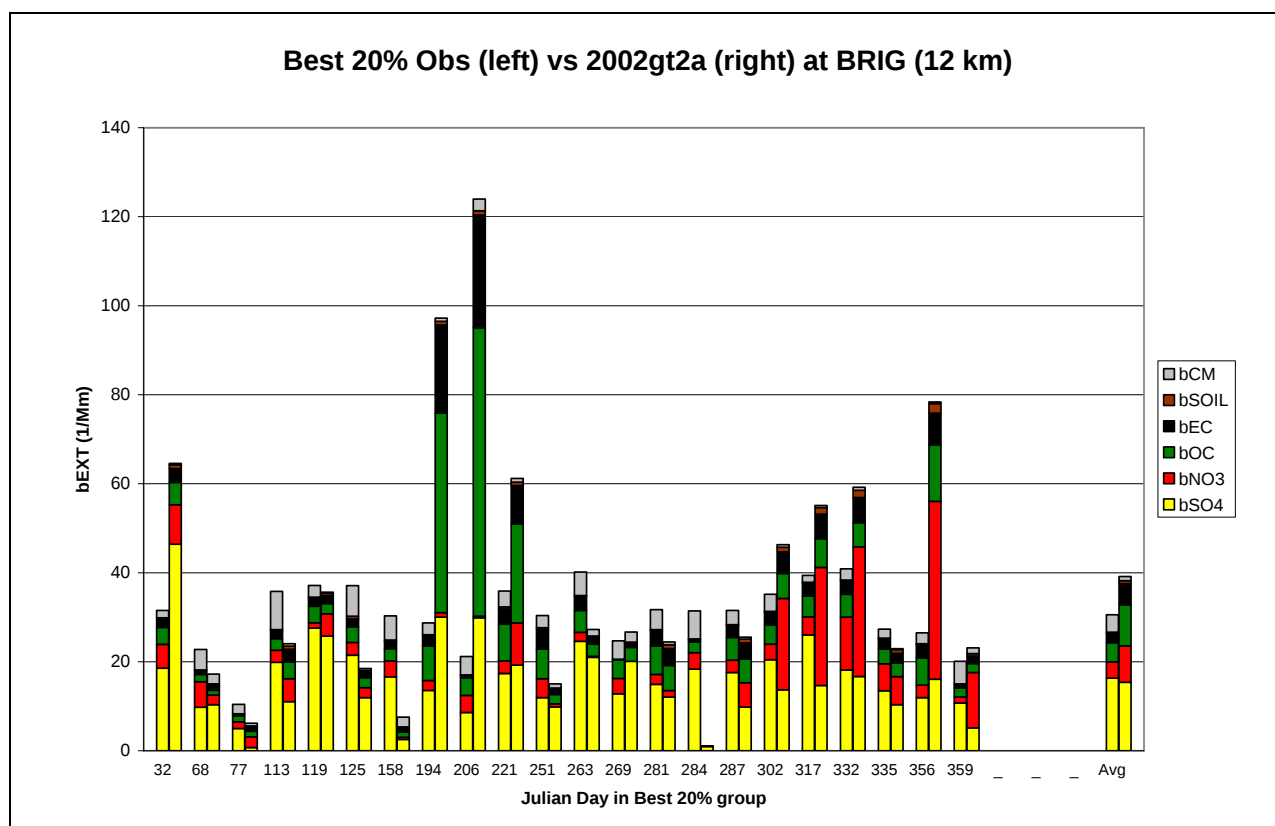


Figure F-21c. Comparison of observed (left) and 2002 Base G2 CMAQ 12 km modeled (right) daily extinction for Brigantine (BRIG), New Jersey and Best 20% (B20%) days in 2002.

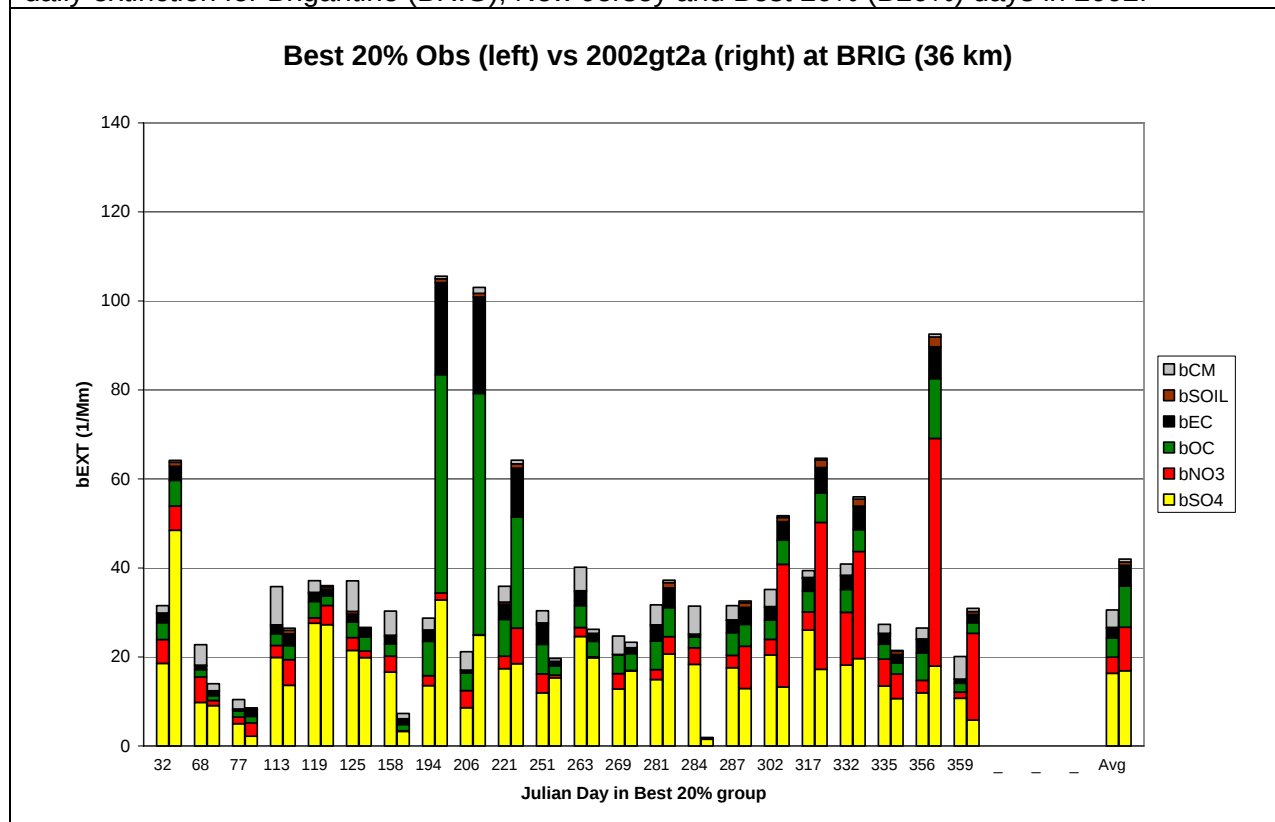


Figure F-21d. Comparison of observed (left) and 2002 Base G2 CMAQ 36 km modeled (right) daily extinction for Brigantine (BRIG), New Jersey and Best 20% (B20%) days in 2002.

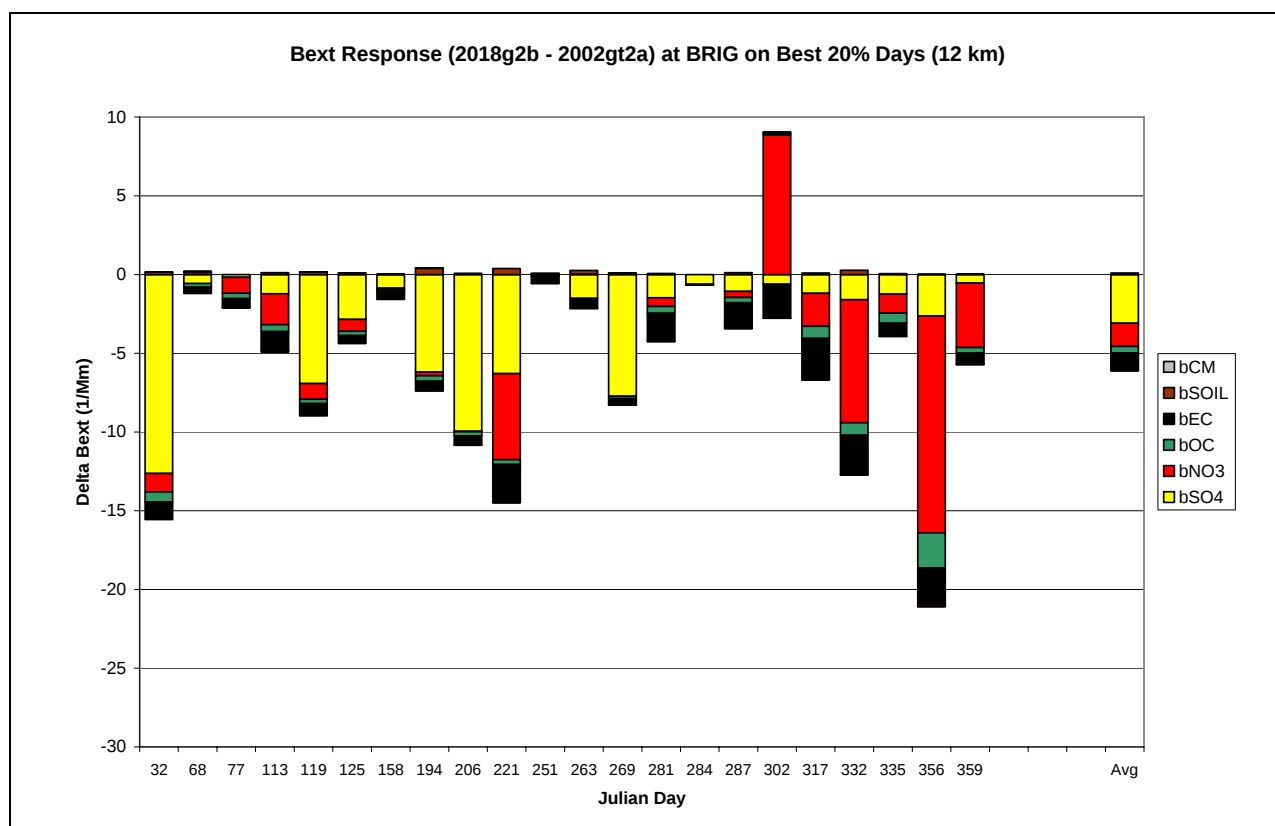


Figure F-21e. Differences in modeled 2002 and 2018 Base G CMAQ 12 km results (2018-2002) daily extinction for Brigantine (BRIG), New Jersey and Best 20% (B20%) days in 2002.

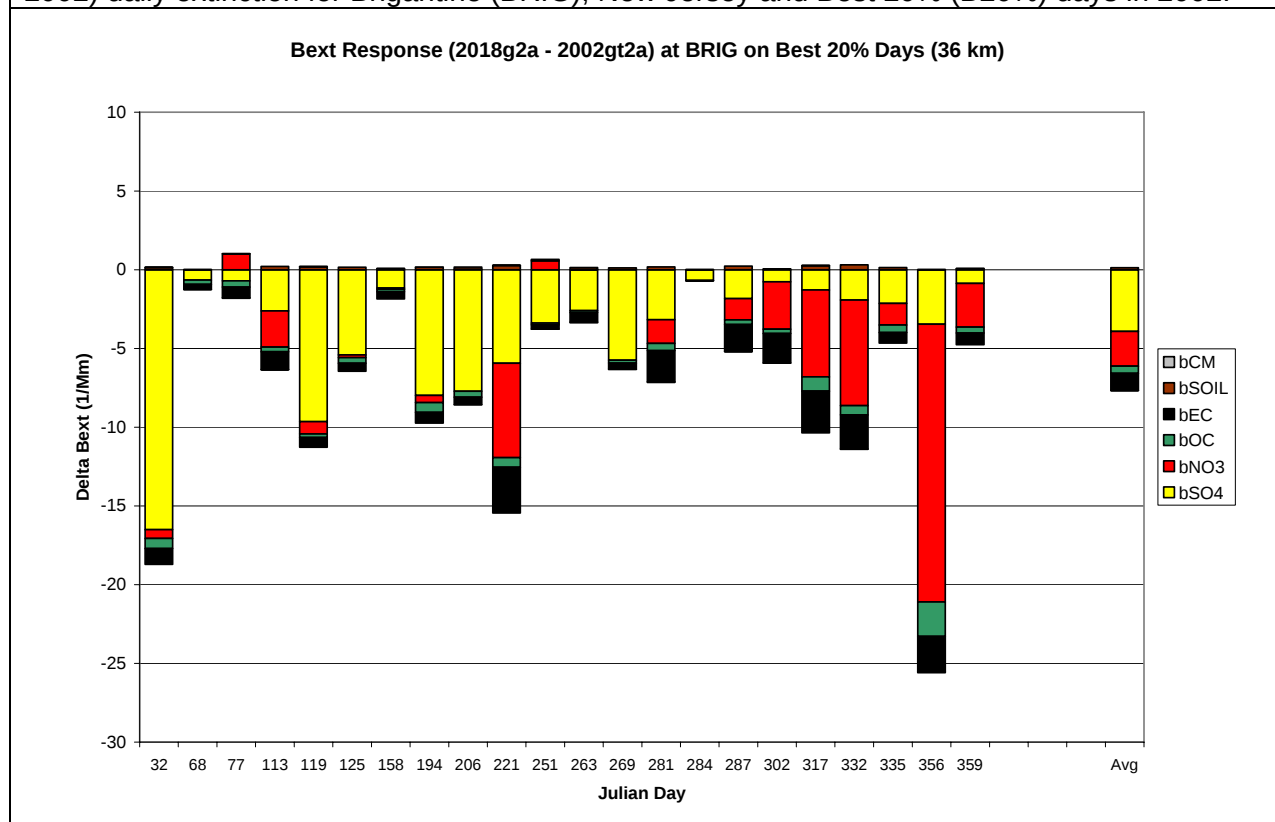


Figure F-21f. Differences in modeled 2002 and 2018 Base G CMAQ 36 km results (2018-2002) daily extinction for Brigantine (BRIG), New Jersey and Best 20% (B20%) days in 2002.