

Spectral data peer review document for CGDB v38.0

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1 Introduction

This document contains table summary and graphs of spectral data files submitted for publication in CGDB v38.0. Directions for submitting data to the CGDB is found at our LBNL web site.

Each table has the manufacturer's name at the top, and an x/y indicator which page x out that manufacturer's y total pages is the current.

After each table follows the graphs for that manufacturer's submissions

2 Description of the table columns

Filename Filename of the submitted spectral properties

Product name Product name listed in the file

Id CGDB ID number

Type Product type e.g. fabric.

Thick Material thickness in mm.

Flr **Y** if the product has been modified to remove measurement error due to the spectrophotometer not handling fluorescence.

Tfsol Solar integrated direct-hemispherical transmittance for light incident on the front/exterior of the material

Tbsol Solar integrated direct-hemispherical transmittance for light incident on the back/interior of the material

Rfsol Solar integrated direct-hemispherical reflectance for light incident on the front/exterior of the product

Rbsol Solar integrated direct-hemispherical reflectance for light incident on the back/interior of the material

Tfvis Visible integrated direct-hemispherical transmittance for light incident on the front/exterior of the material

Tbvis Visible integrated direct-hemispherical transmittance for light incident on the back/interior of the material

Rfvis Visible integrated direct-hemispherical reflectance for light incident on the front/exterior of the product

Rbvis Visible integrated direct-hemispherical reflectance for light incident on the back/interior of the material

Ef Thermal emissivity of the front of the material

Eb Thermal emissivity of the back of the material

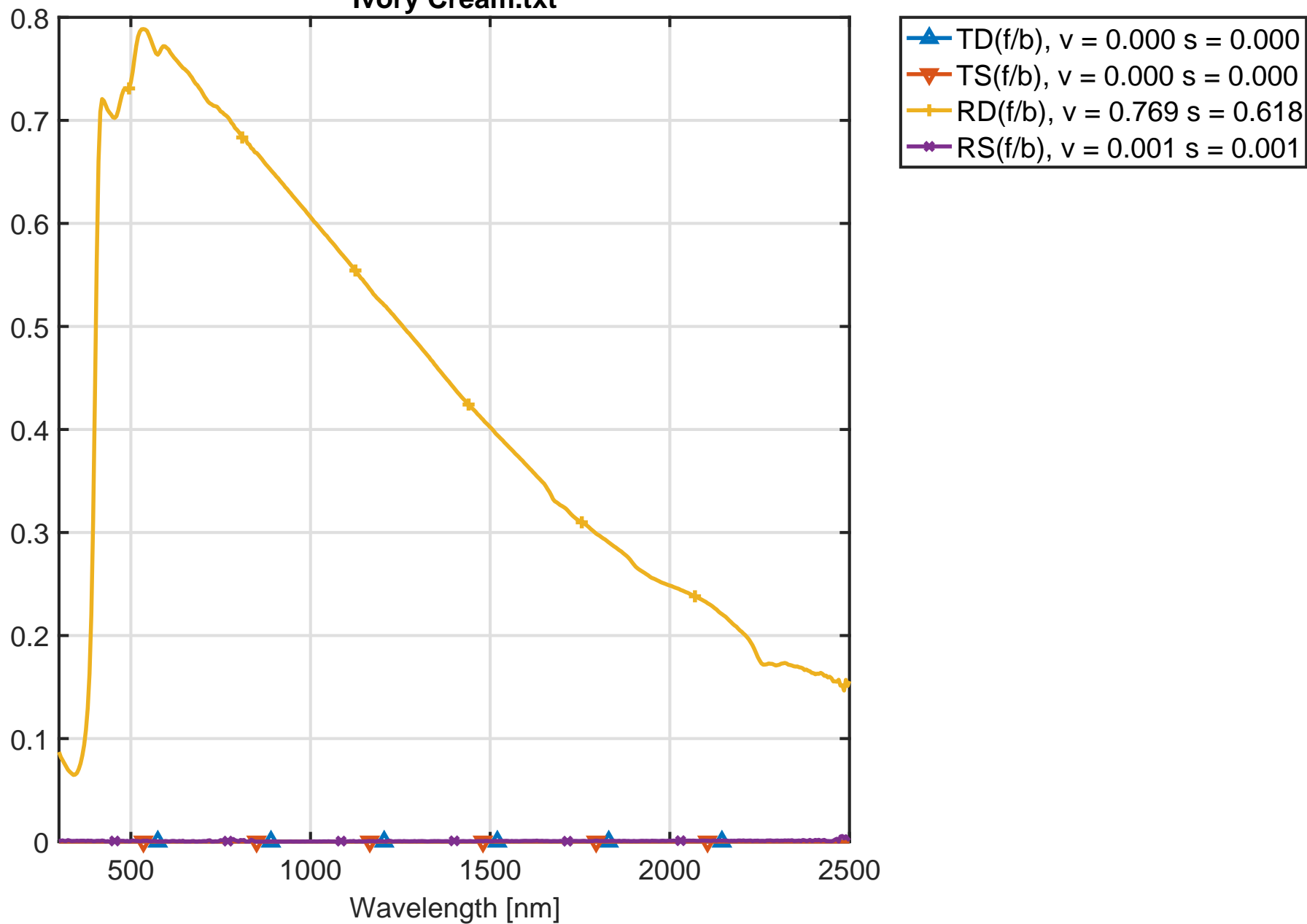
TIR Thermal IR transmittance

To get the specular and diffuse components of the transmittance and reflectance you have to look at the graphs, where integrated numbers are displayed in the legend.

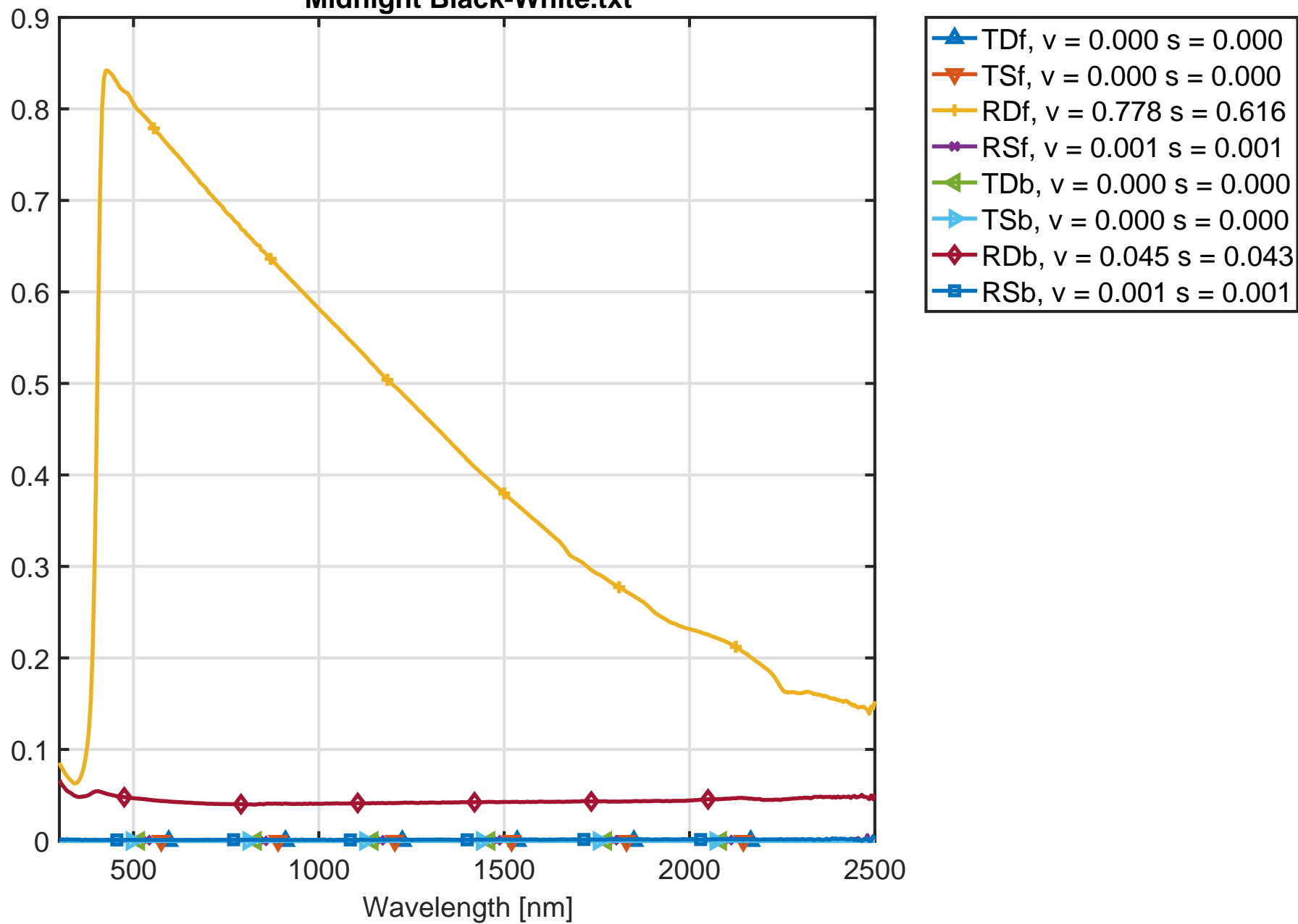
3 Table: UBLOCKOUT (1/1)

Filename	Product name	ID	Type	Thick	Flr	Tfsol	Tbsol	Rfsol	Rbsol	Tfvis	Tbvis	Rfvis	Rbvis	Ef	Eb	TIR
Ivory Cream.txt	Ivory Cream	43501		0.334		0.000	0.000	0.619	0.619	0.000	0.000	0.770	0.770	0.845	0.877	0.000
Midnight Black-White.txt	Midnight Black-White	43504		0.336		0.000	0.000	0.616	0.044	0.000	0.000	0.779	0.046	0.844	0.883	0.000
Silver Grey.txt	Silver Grey	43502		0.330		0.000	0.000	0.457	0.457	0.000	0.000	0.556	0.556	0.873	0.854	0.000
Slate Charcoal-White.txt	Slate Charcoal-White	43503		0.312		0.000	0.000	0.612	0.138	0.000	0.000	0.774	0.157	0.846	0.870	0.000
Winter White.txt	Winter White	43500		0.342		0.000	0.000	0.649	0.649	0.000	0.000	0.805	0.805	0.862	0.806	0.000

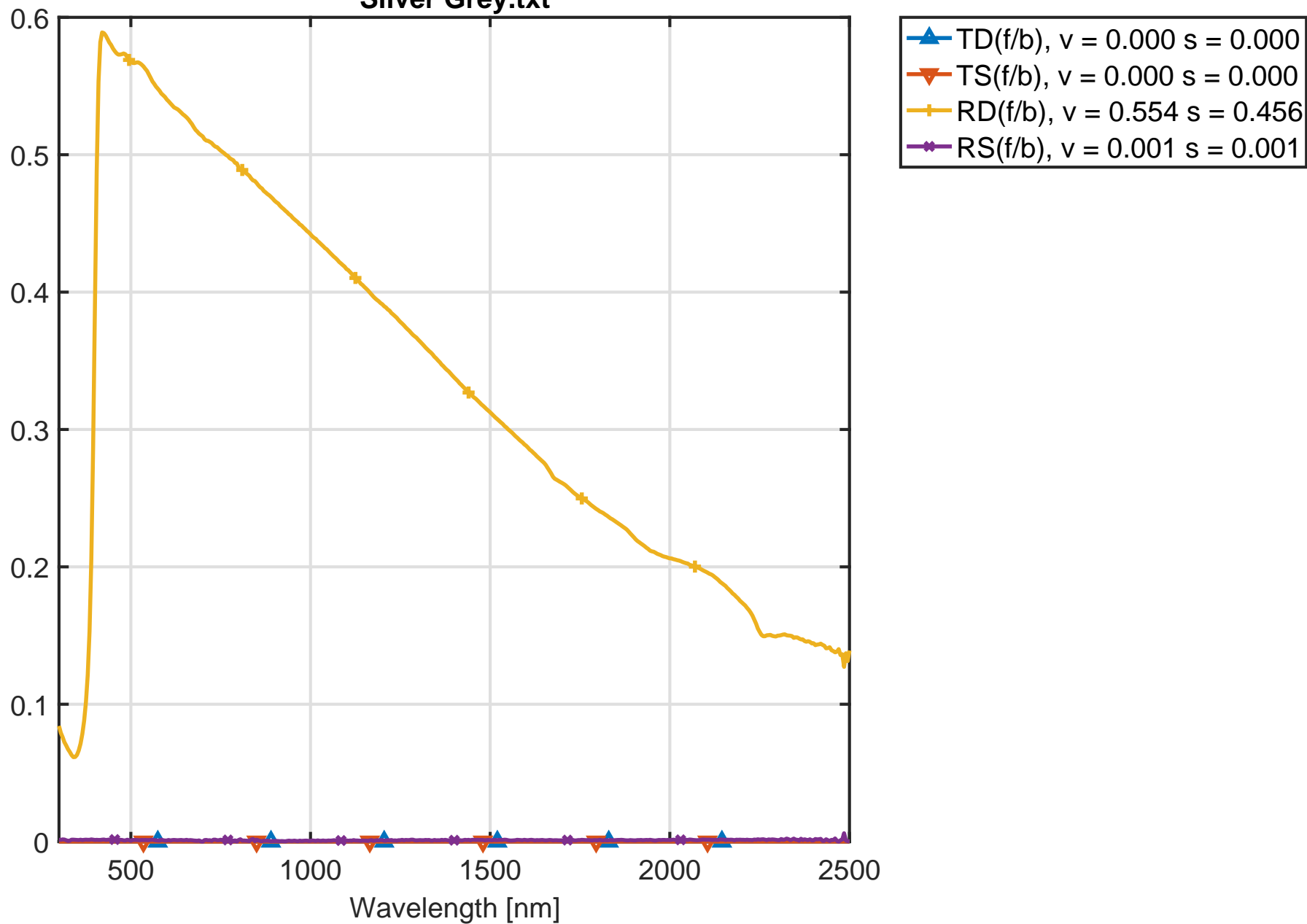
Ivory Cream.txt



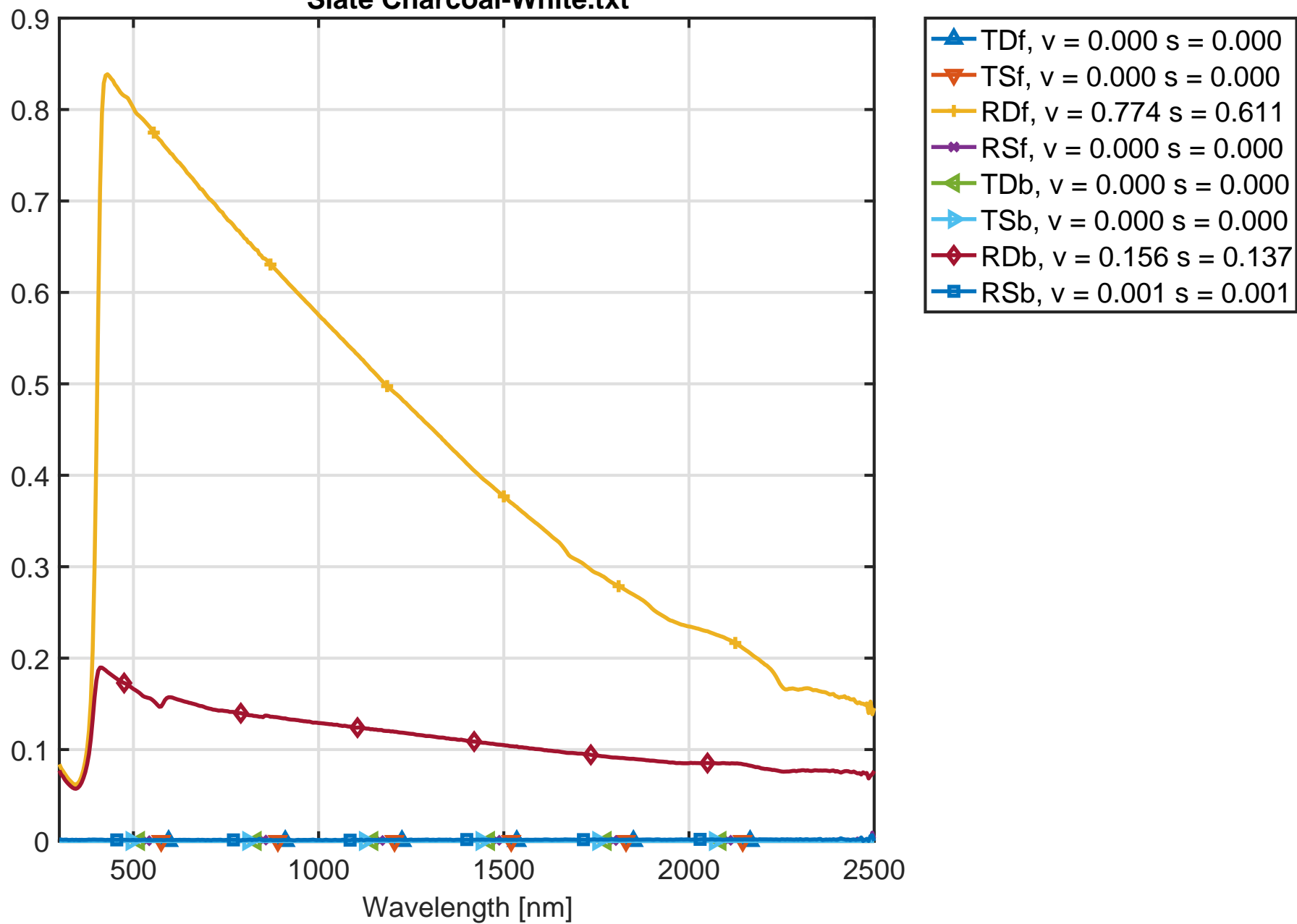
Midnight Black-White.txt



Silver Grey.txt



Slate Charcoal-White.txt



Winter White.txt

