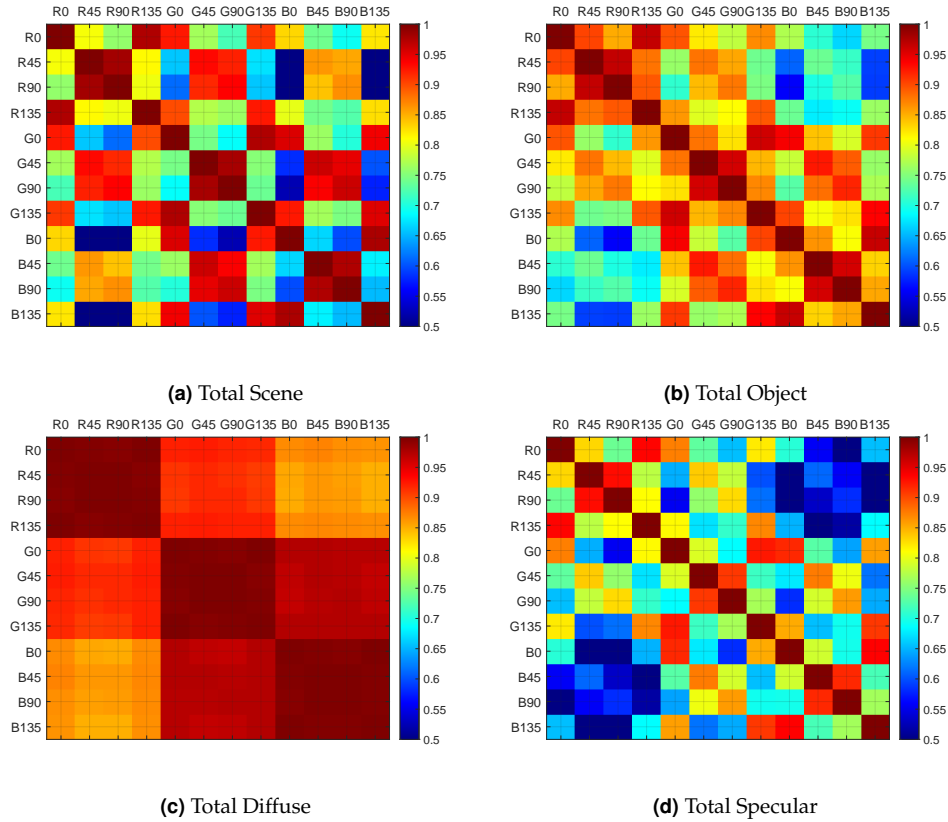


# Correlations in joint spectral and polarization imaging: supplemental document

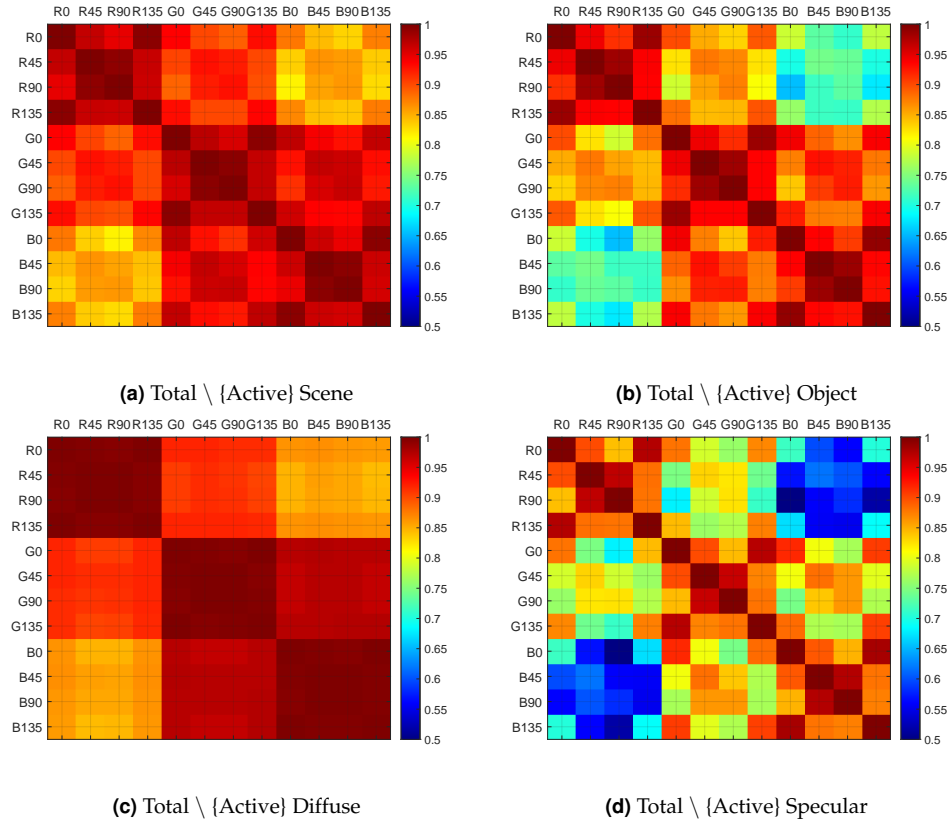
This is a supplemental document of the manuscript entitled "Correlations in joint spectral and polarization imaging". The main focus of this document is to give the visualizations about the statistical analysis on the polarization and spectral channels.

## A. Correlation coefficient visualization

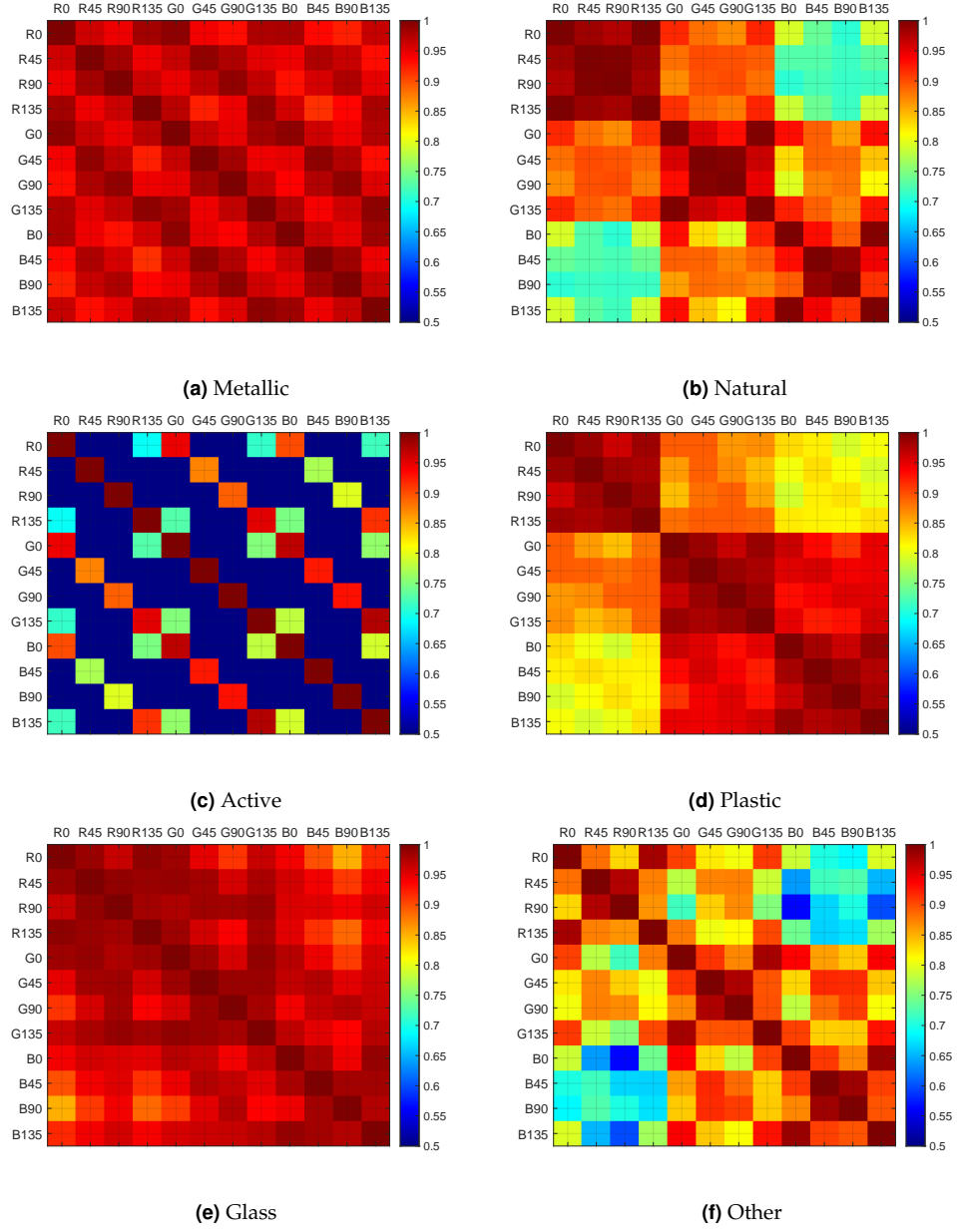
Figures S8, S9, and S10 show false-color visualization of the computed correlation. To be able to easily compare, the color bars showing the color scales are all in the same range for all scenarios (i.e. between 0.5 and 1).



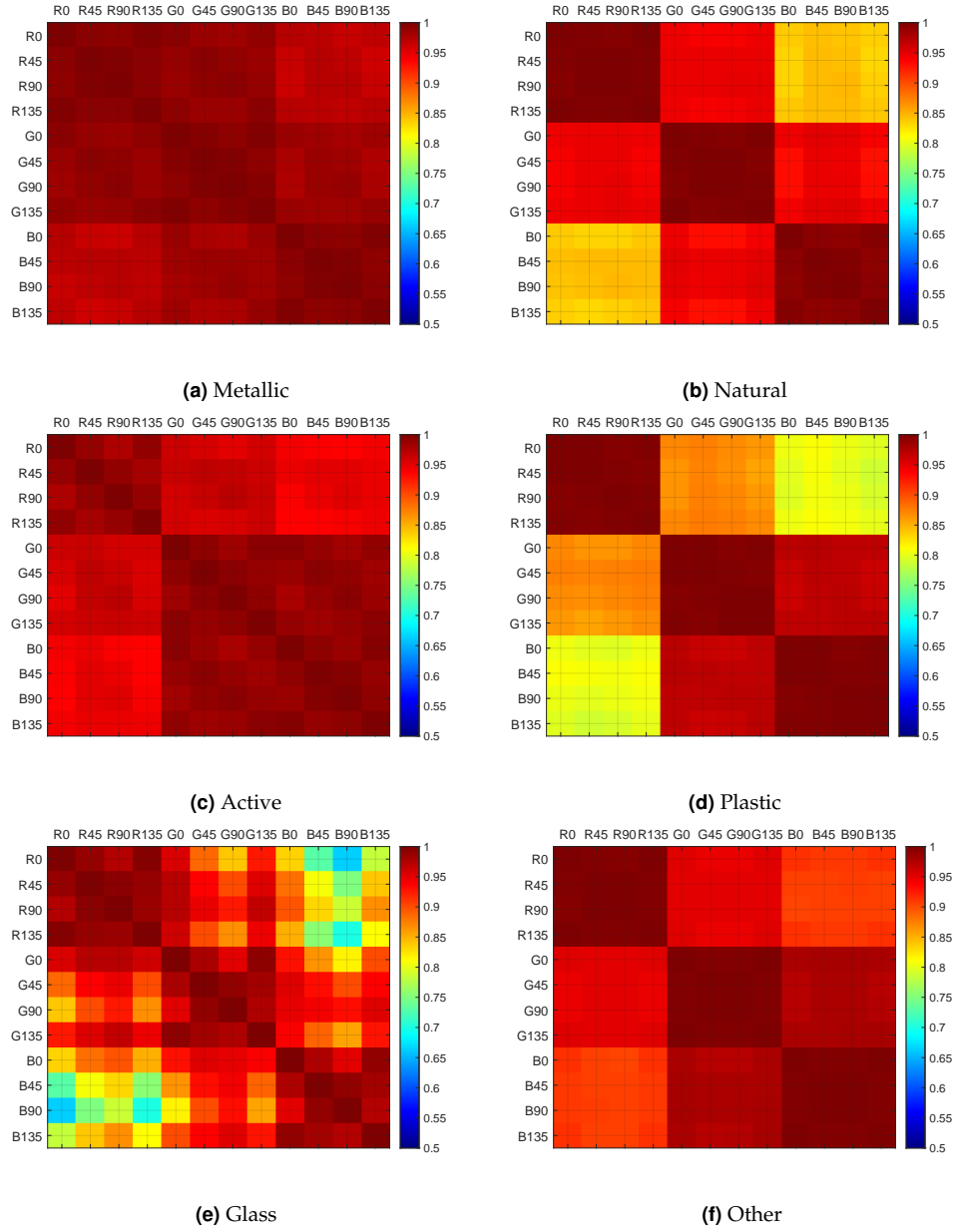
**Fig. S1.** Total reflection scenarios. The channels are grouped by spectral channel.



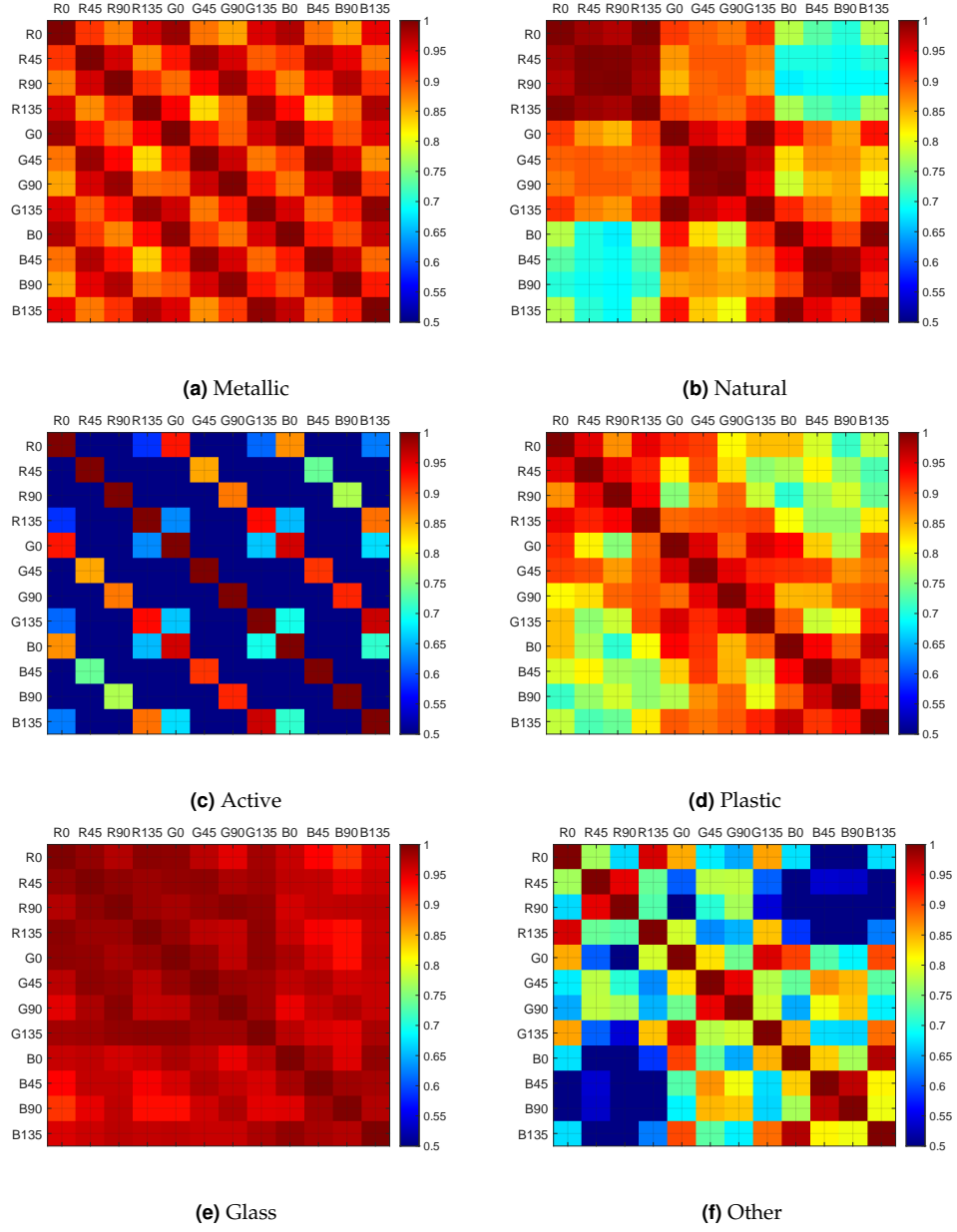
**Fig. S2.** Total \ {Active} reflection scenarios. The channels are grouped by spectral channel.



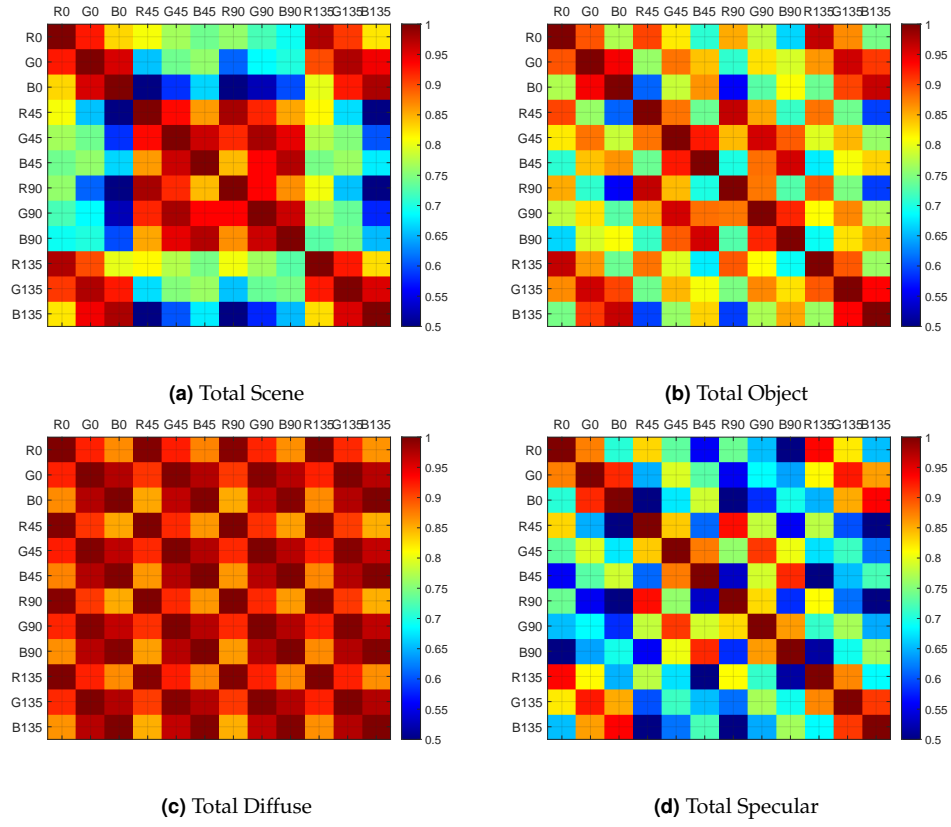
**Fig. S3.** Object reflection scenarios. The channels are grouped by spectral channel.



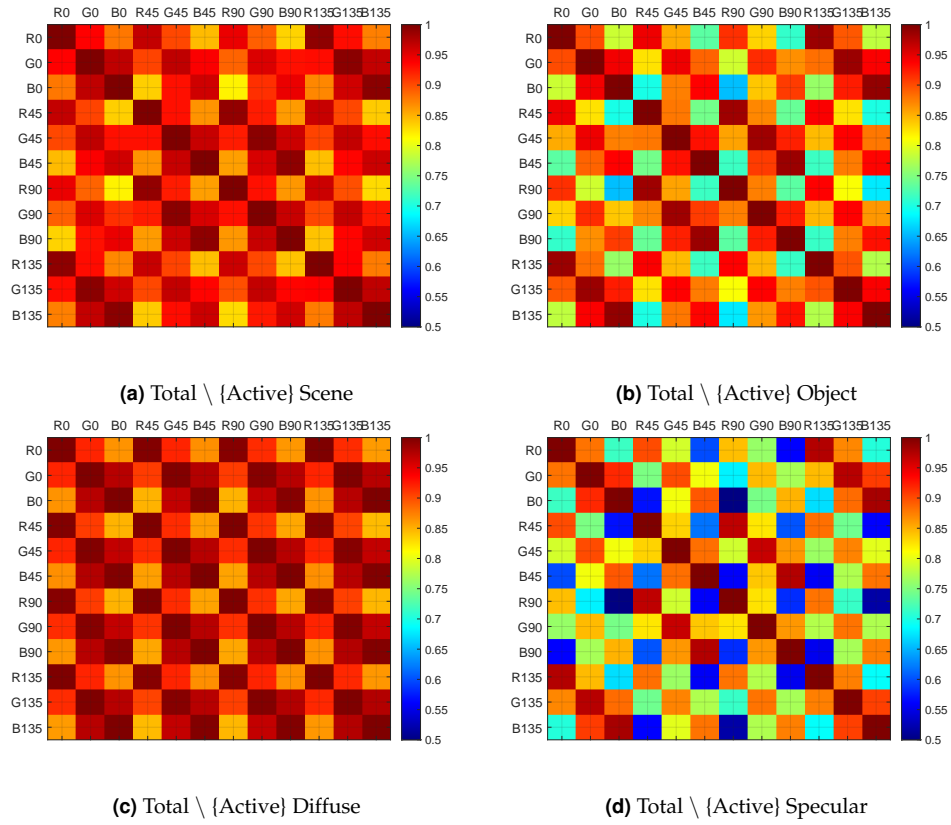
**Fig. S4.** Diffuse reflection scenarios. The channels are grouped by spectral channel.



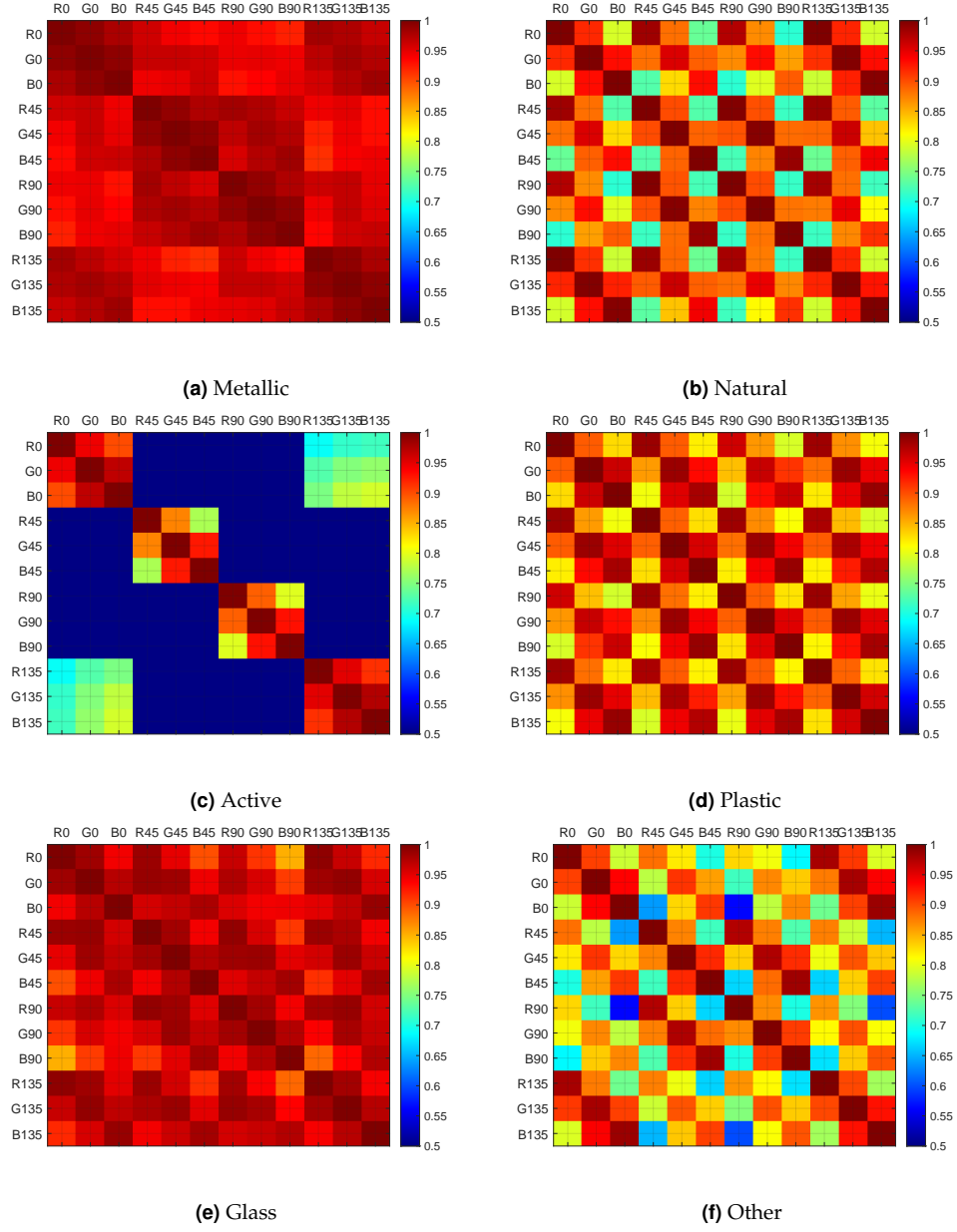
**Fig. S5.** Specular reflection scenarios. The channels are grouped by spectral channel.



**Fig. S6.** Total reflection scenarios. The channels are grouped by polarization channel.

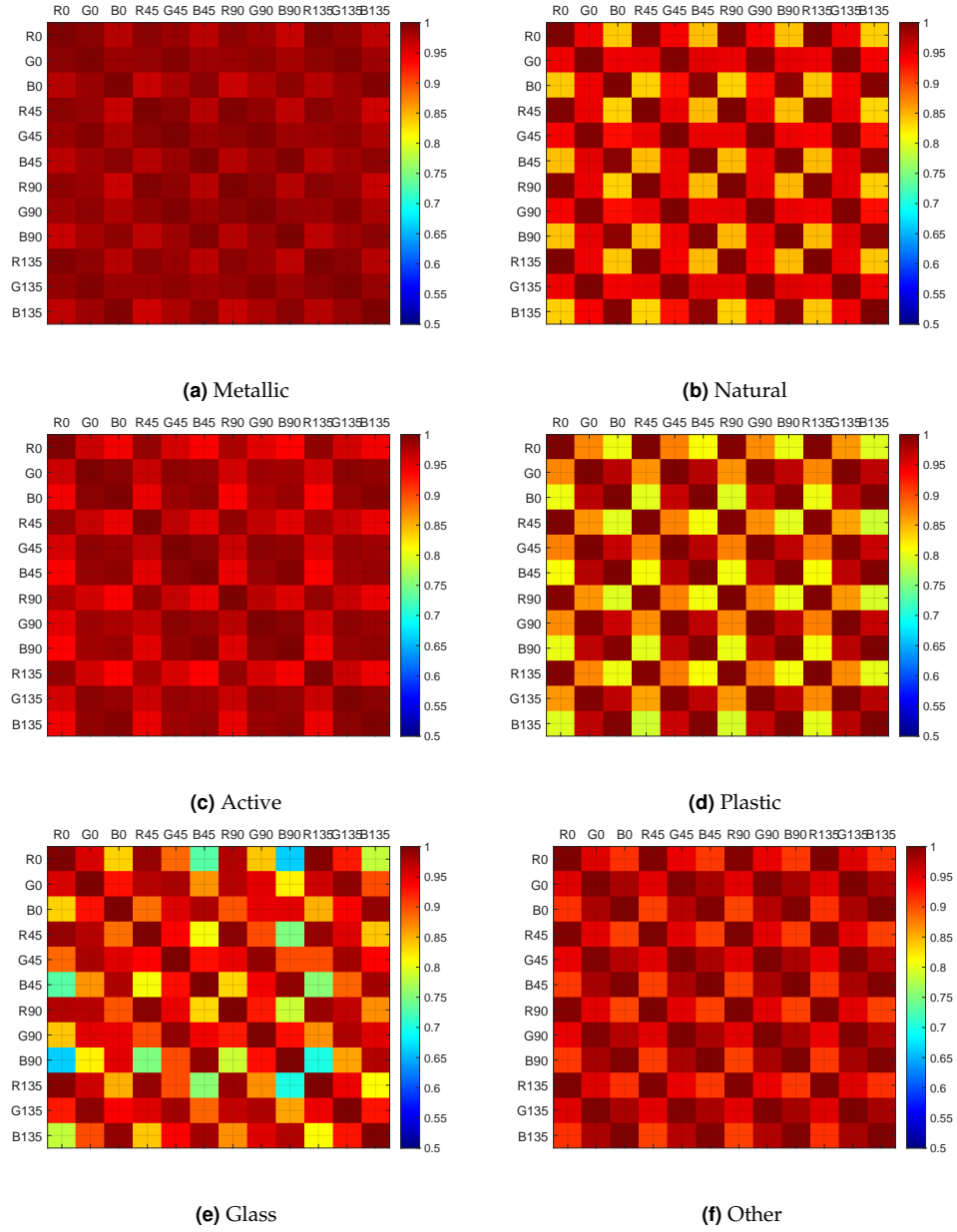


**Fig. S7.** Total \ {Active} reflection scenarios. The channels are grouped by polarization channel.

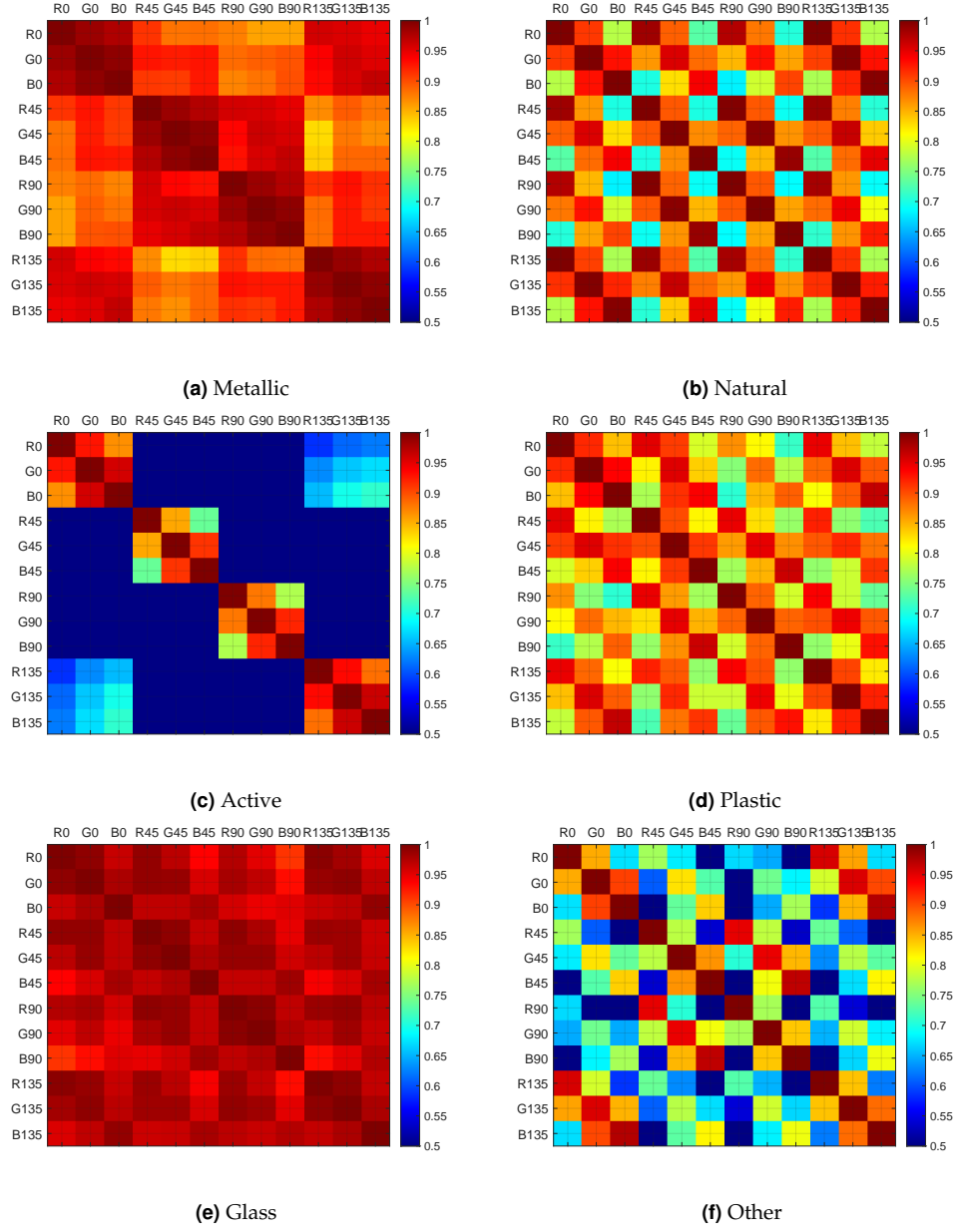


**Fig. S8.** Object reflection scenarios. The channels are grouped by polarization channel.





**Fig. S9.** Diffuse reflection scenarios. The channels are grouped by polarization channel.



**Fig. S10. Specular reflection scenarios.** The channels are grouped by polarization channel.