Figure 11. Median HCHO fractions and their dependencies on wind direction at the MT site. Night- and daytimes defined as in Fig. 4.

Figure 12a. Contributions to median ambient HCHO mixing ratios based on surrogate species CO, SO₂, and PAN at the MT site during daytimes. In addition calculated background median HCHO values and observed median mixing ratios of propylene and ethylene are shown. Daytimes defined as in Fig. 4.

Figure 12b. Contributions to median ambient HCHO mixing ratios based on surrogate species CO, SO₂, and PAN at the MT site during nighttimes. In addition calculated background median HCHO values and observed median mixing ratios of propylene and ethylene are shown. Nighttimes defined as in Fig. 4.

HCHO fractions (Day)

% N 60 NNW, NNE NWNE 40 **WNW ENE** 20 W Ε WSW **ESE** SW SE -CO fraction SSW SSE PAN fraction S SO2 fraction background

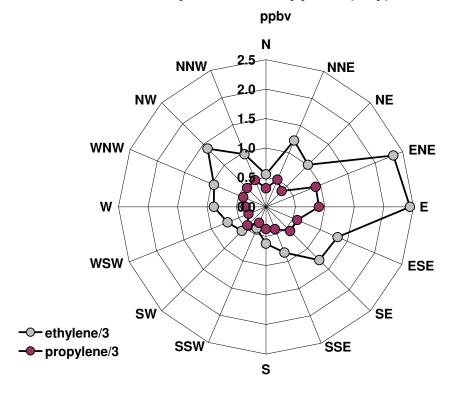
HCHO fractions (Night)

% Ν 60 NNW, NNE NW NE 40 **WNW ENE** W Ε **WSW ESE** sw SE -CO fraction SSW SSE PAN fraction S SO2 fraction background

HCHO fractions (Day)

ppbv Ν 2.5 NNW. NNE 2.0 NW ΝE 1.5 WNW **ENE** Ε W wsw **ESE** SW SE CO fraction **PAN** fraction SSE SSW SO2 fraction S background

Ethylene and Propylene (Day)



HCHO fractions (Night)

ppbv N 2.5 NNW NNE 2.0 NE NW **WNW ENE** Ε W **WSW ESE** SW -CO fraction SE PAN fraction SSW SSE SO2 fraction S background

Ethylene and Propylene (Night)

