SAGE III Limb Scatter measurements during INTEX Summer 2004 campaign
Ozone and NO$_2$ retrievals. Comparison with Sondes, OSIRIS, RAQMS

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Purpose of research
- Use SAGE III newly developed limb scatter capabilities to make Ozone and NO$_2$ density profiling over the geographical area covered by INTEX campaign.
- Cross validate retrieved Ozone profiles with IONS Sondes, RAQMS model, OSIRIS.
- Cross validate retrieved NO$_2$ profiles with RAQMS and OSIRIS.

Geographical coverage

Comparison RAQMS – SAGE III for July, 2004
RAQMS model computed at SAGE III LS geolocations

SAGE III (LS) vs. Ozonesondes (IONS)
OZONE SAGE III – OSIRIS (July, 2004)
NO2 SAGE III – OSIRIS (July, 2004)

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