SAGE III Ozone Intercomparisons

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Ghassan Taha *U. of Arizona*
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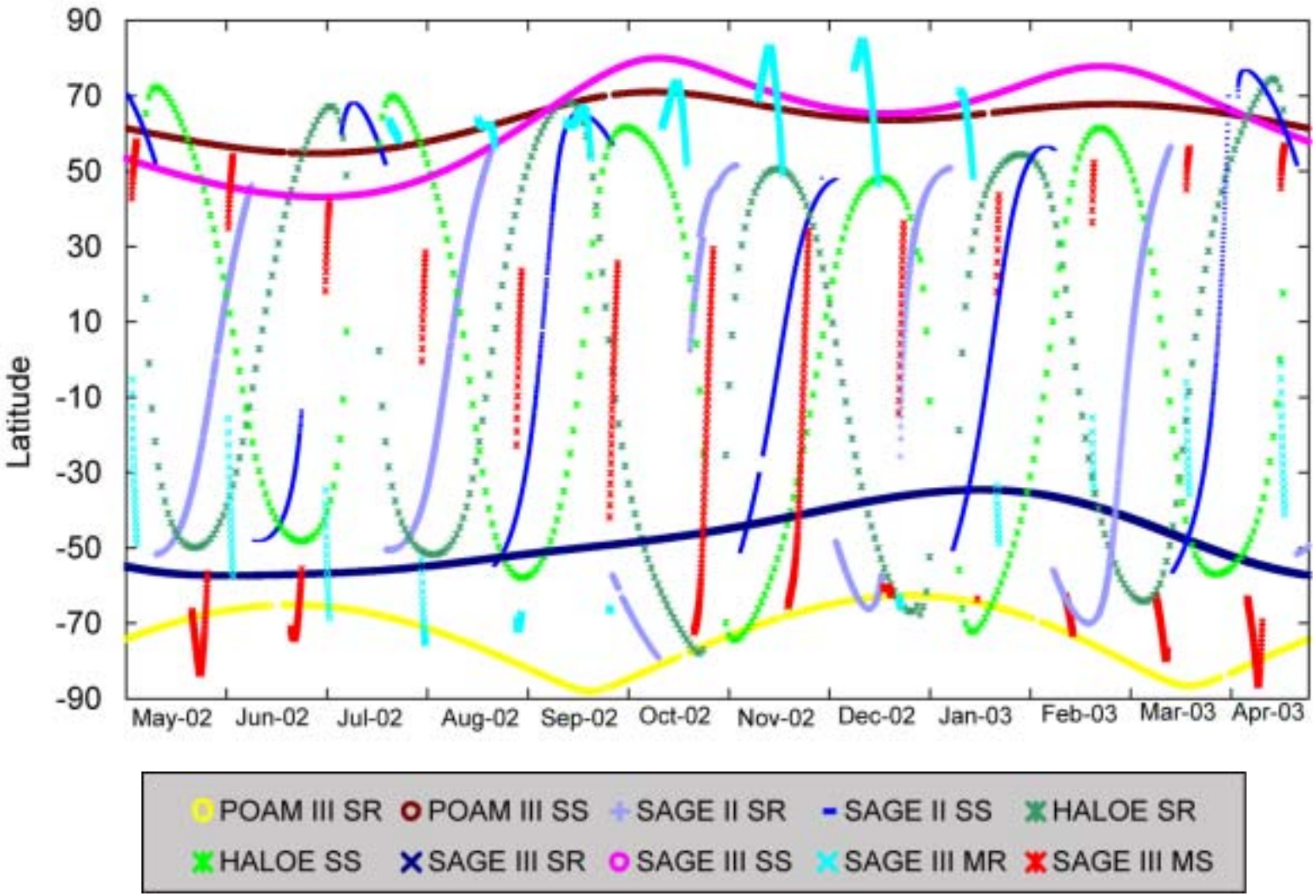
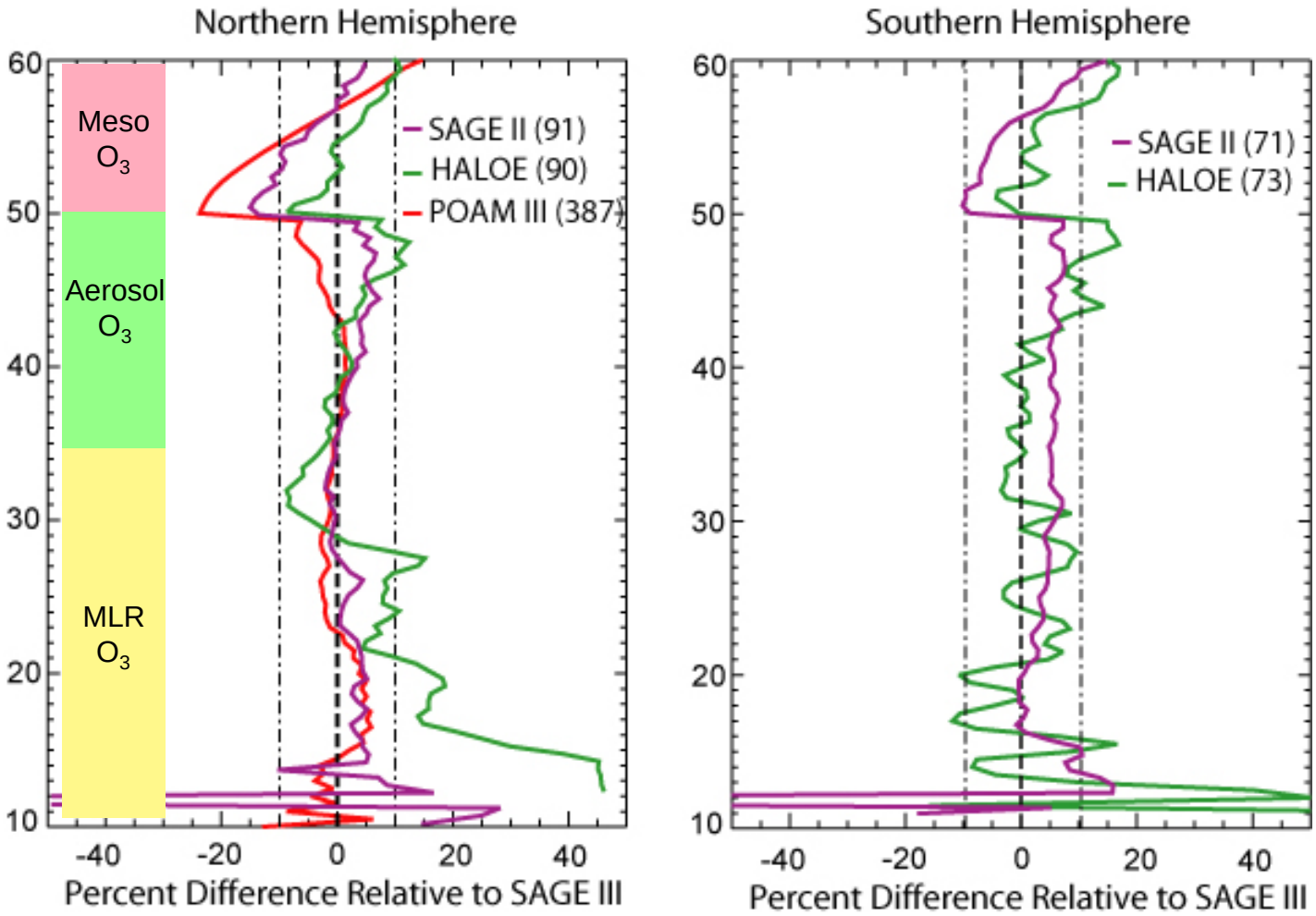
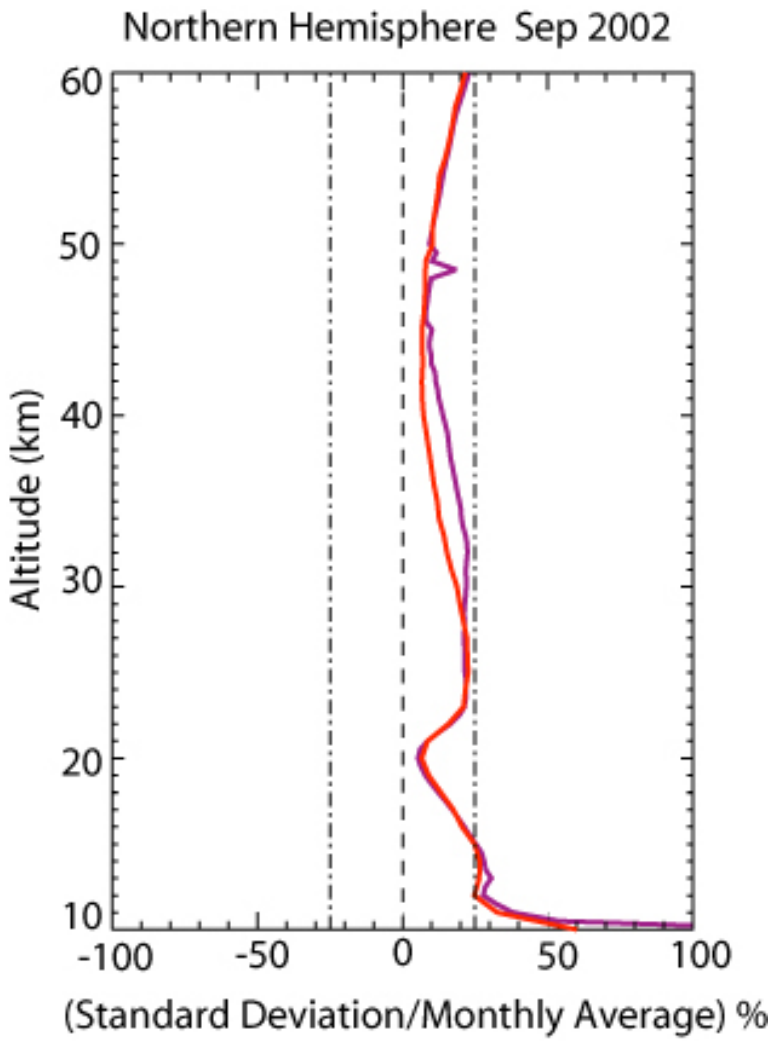
Satellite Measurement Locations

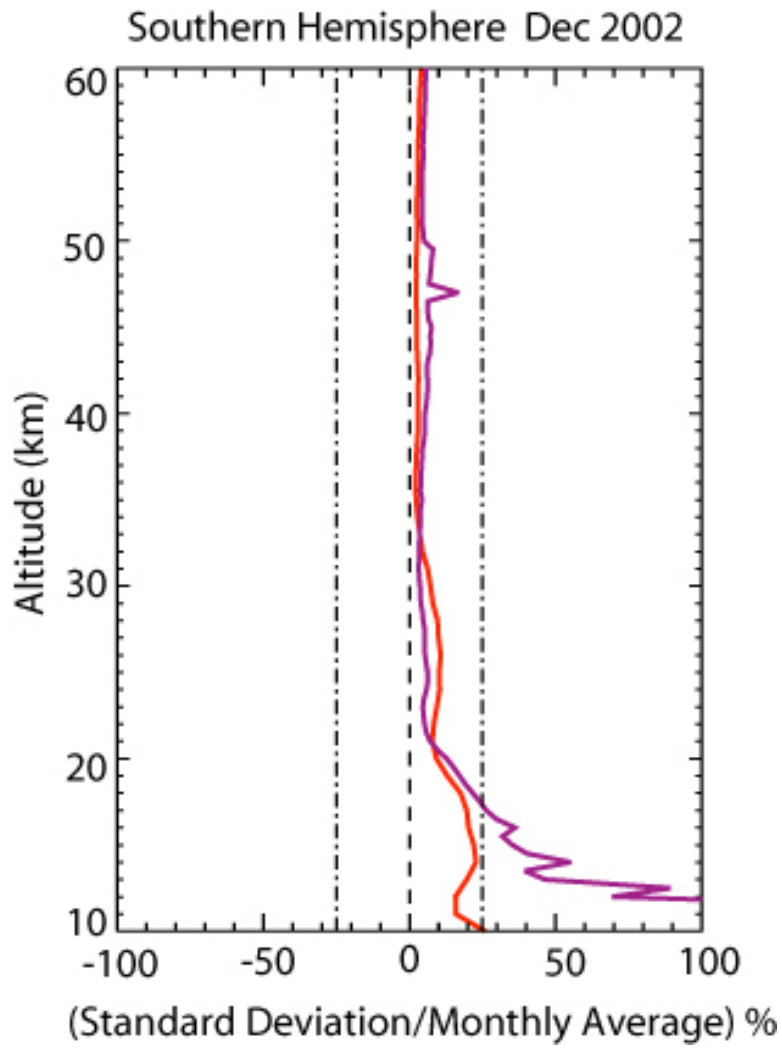


Satellite Comparison
Summary (May 2002 - Feb 2003)



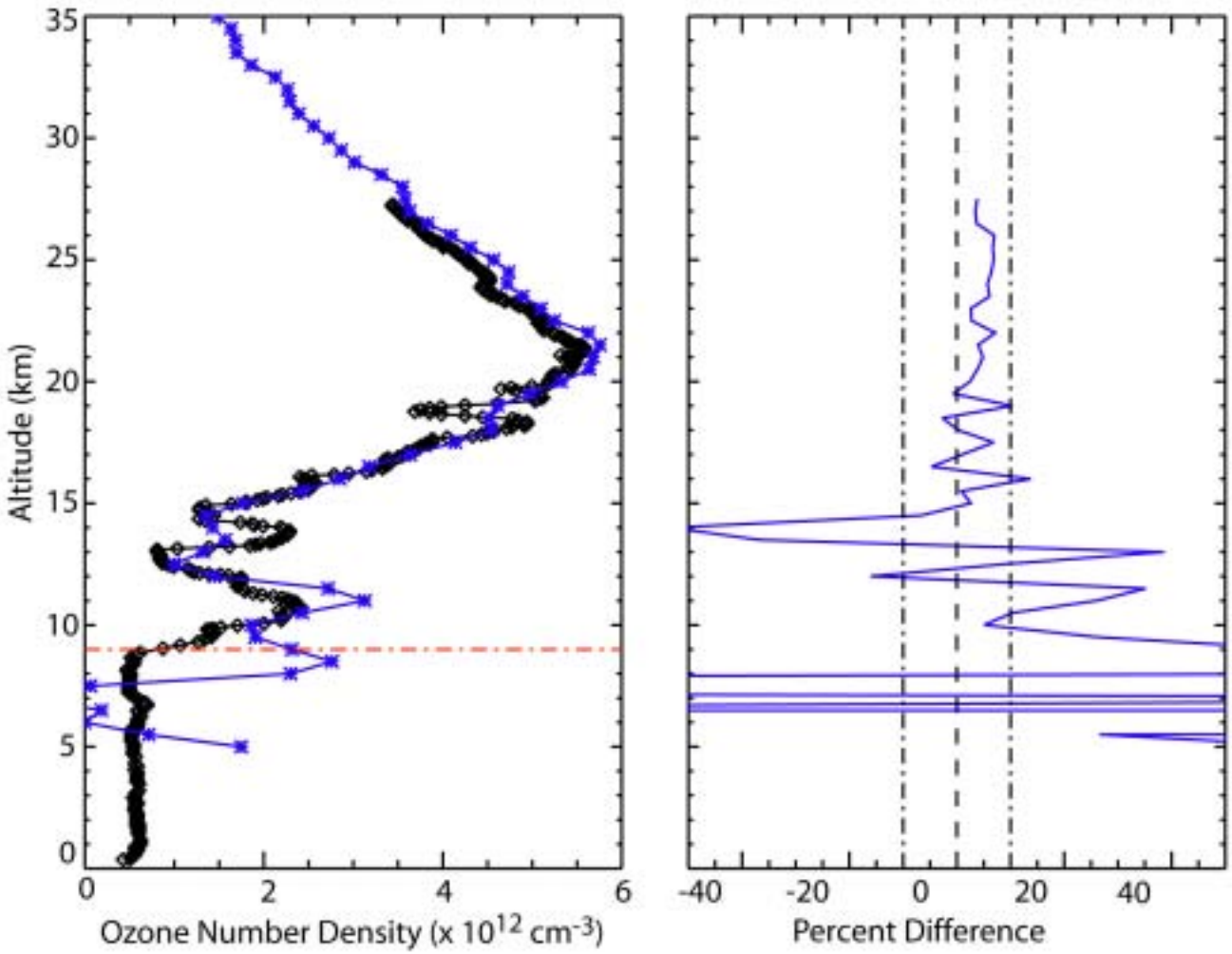
Satellite Comparison





SAGE III - Ozonesonde Comparison

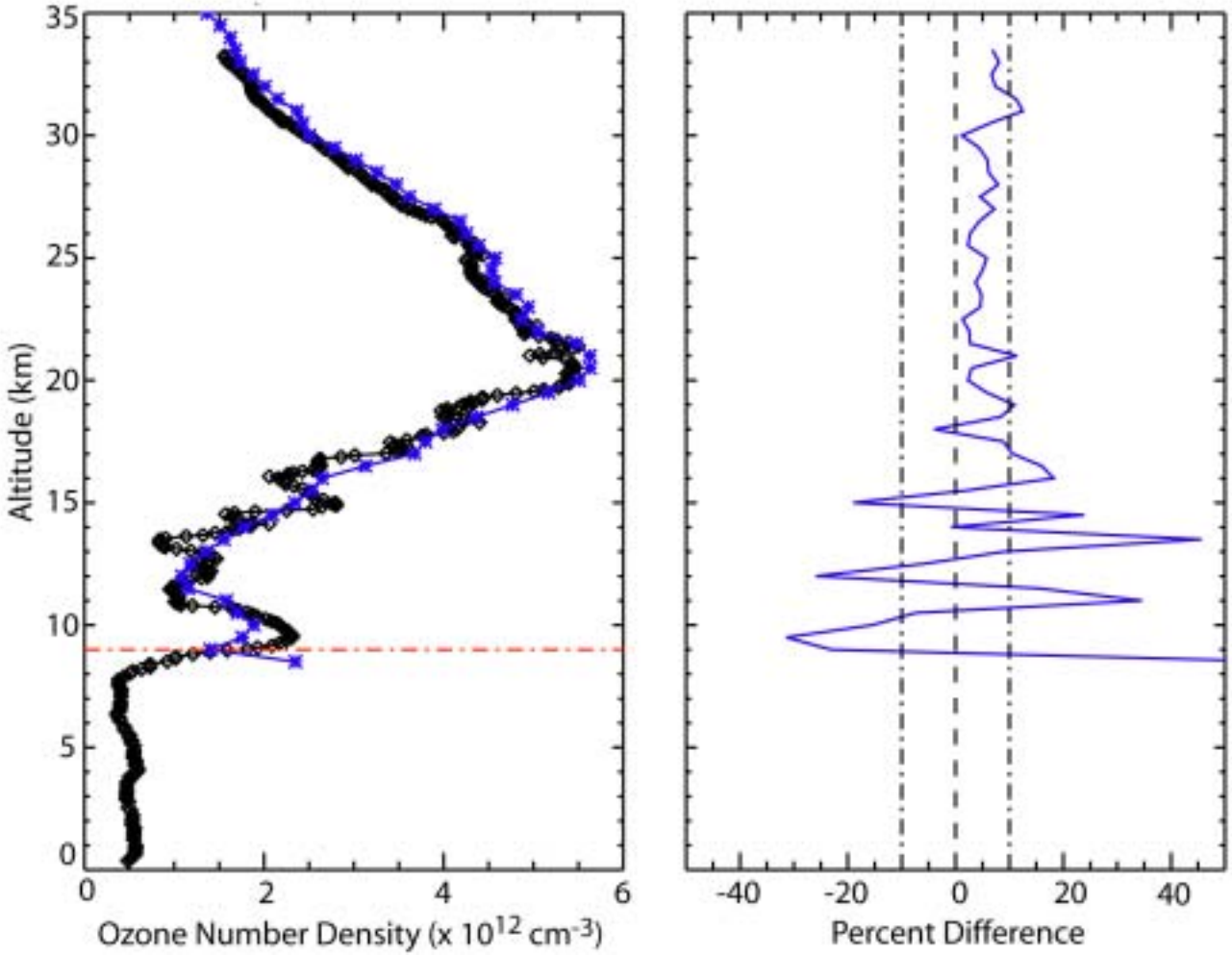
Lauder, New Zealand



26 October 2002
Distance 313 km

SAGE III - Ozonesonde Comparison

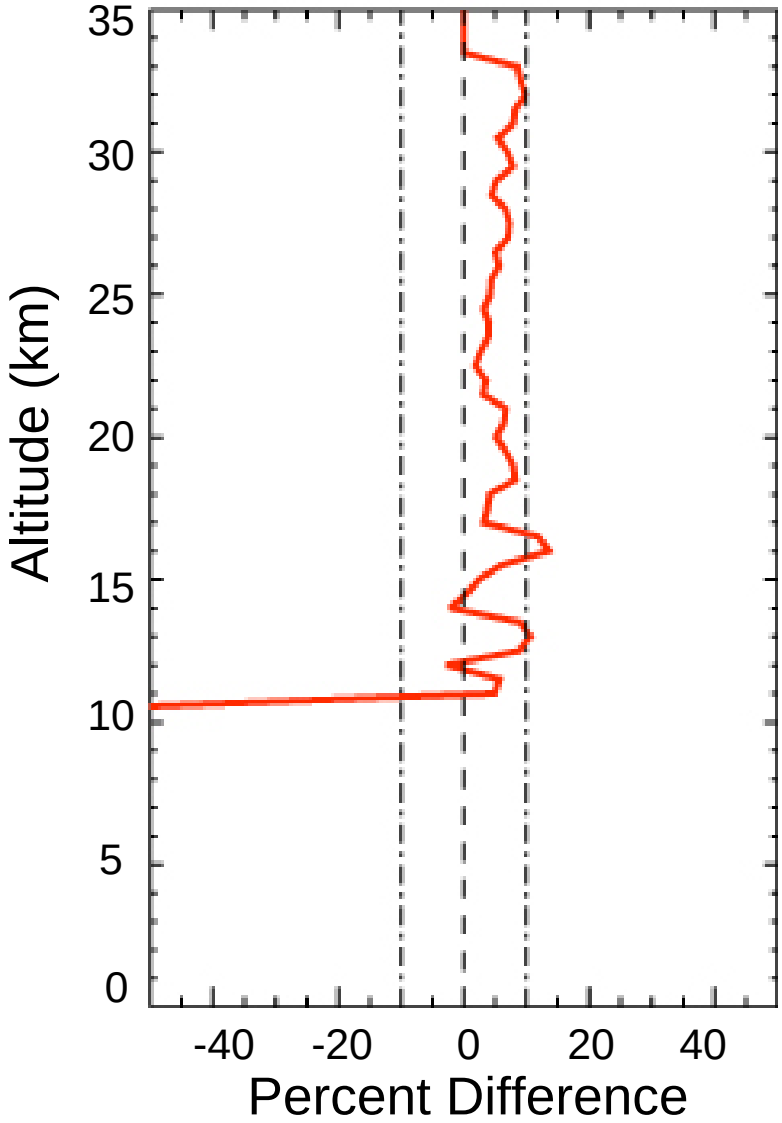
Lauder, New Zealand



1 November 2002
Distance 56 km

SAGE III - Ozonesonde Comparison

Lauder, New Zealand

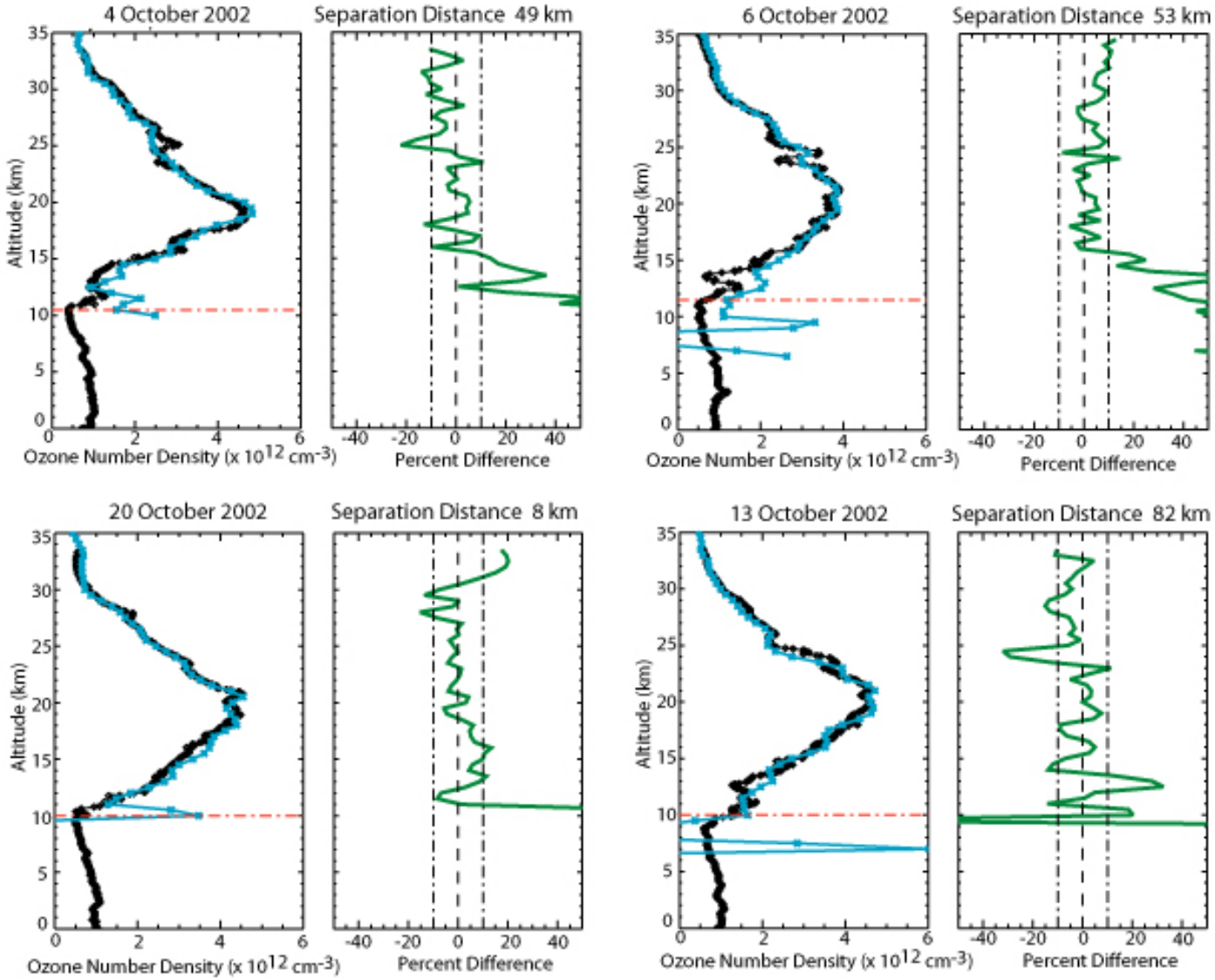


15 Samples

Match Criteria:
time < 12 hours
ΔLat 3°
ΔLon 10º

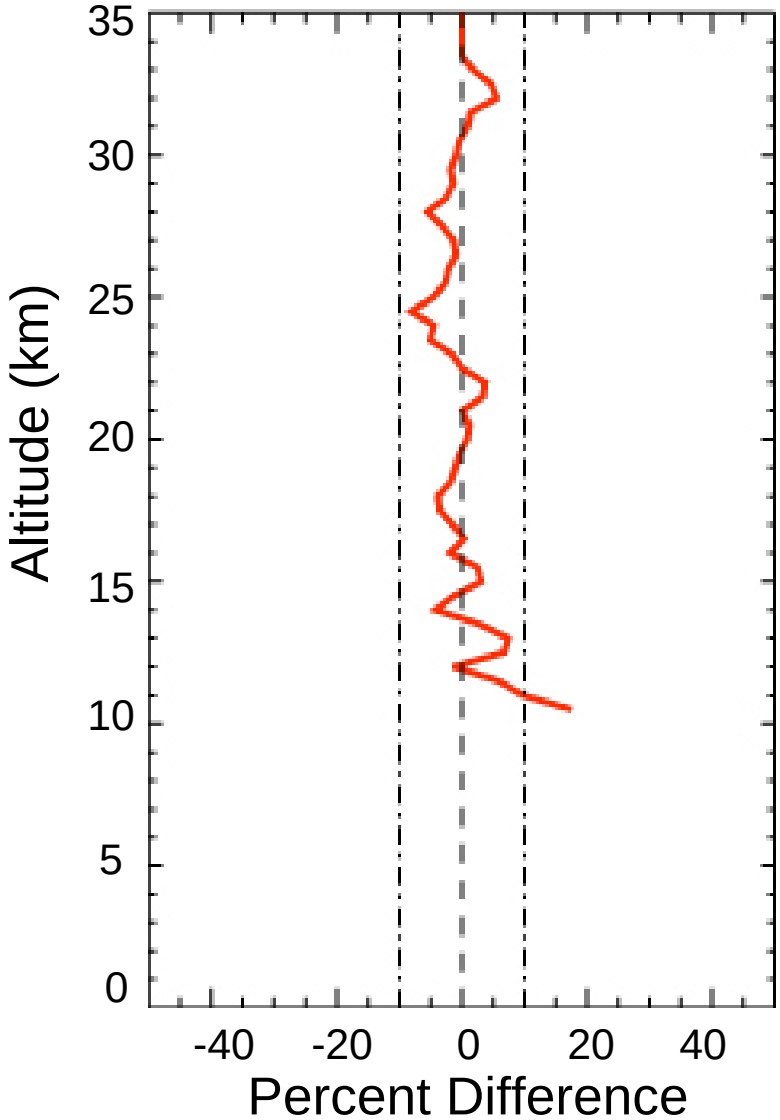
SAGE III - Ozonesonde Comparison

Ny Alesund, Svalbard



SAGE III - Ozonesonde Comparison

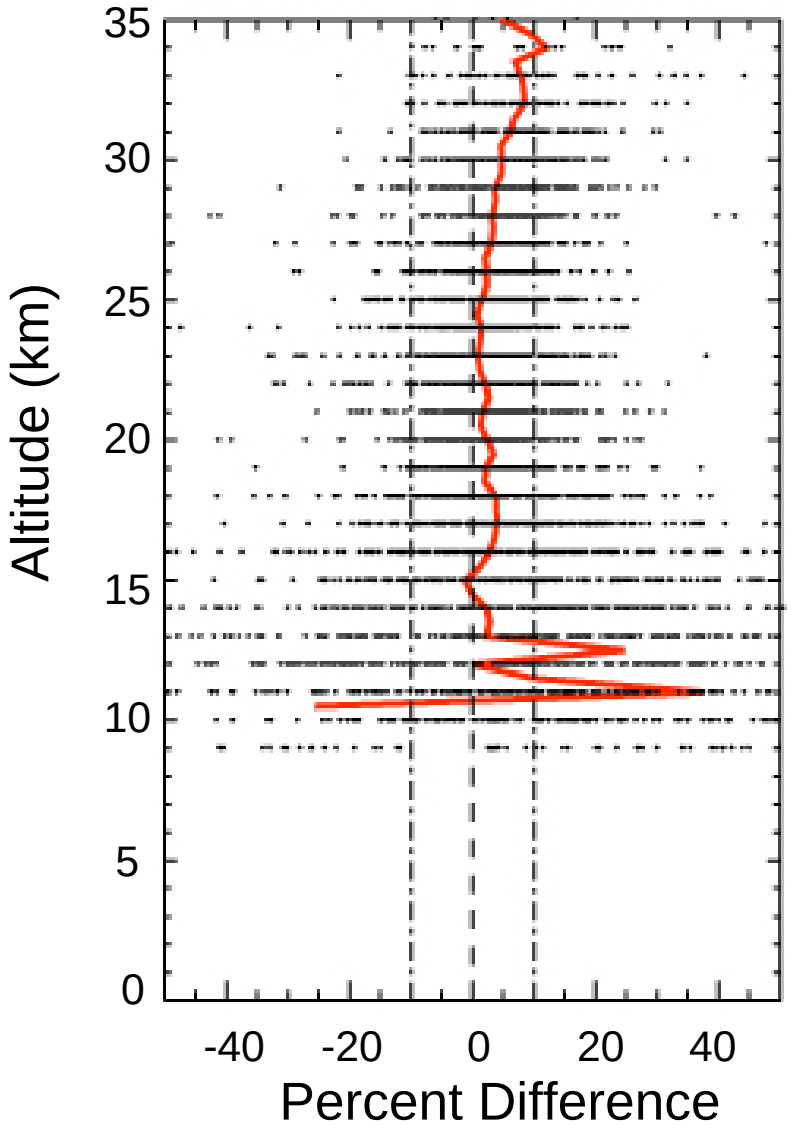
Ny Alesund, Svalbard



15 Samples

Match Criteria:
time < 12 hours
ΔLat 3°
ΔLon 10º

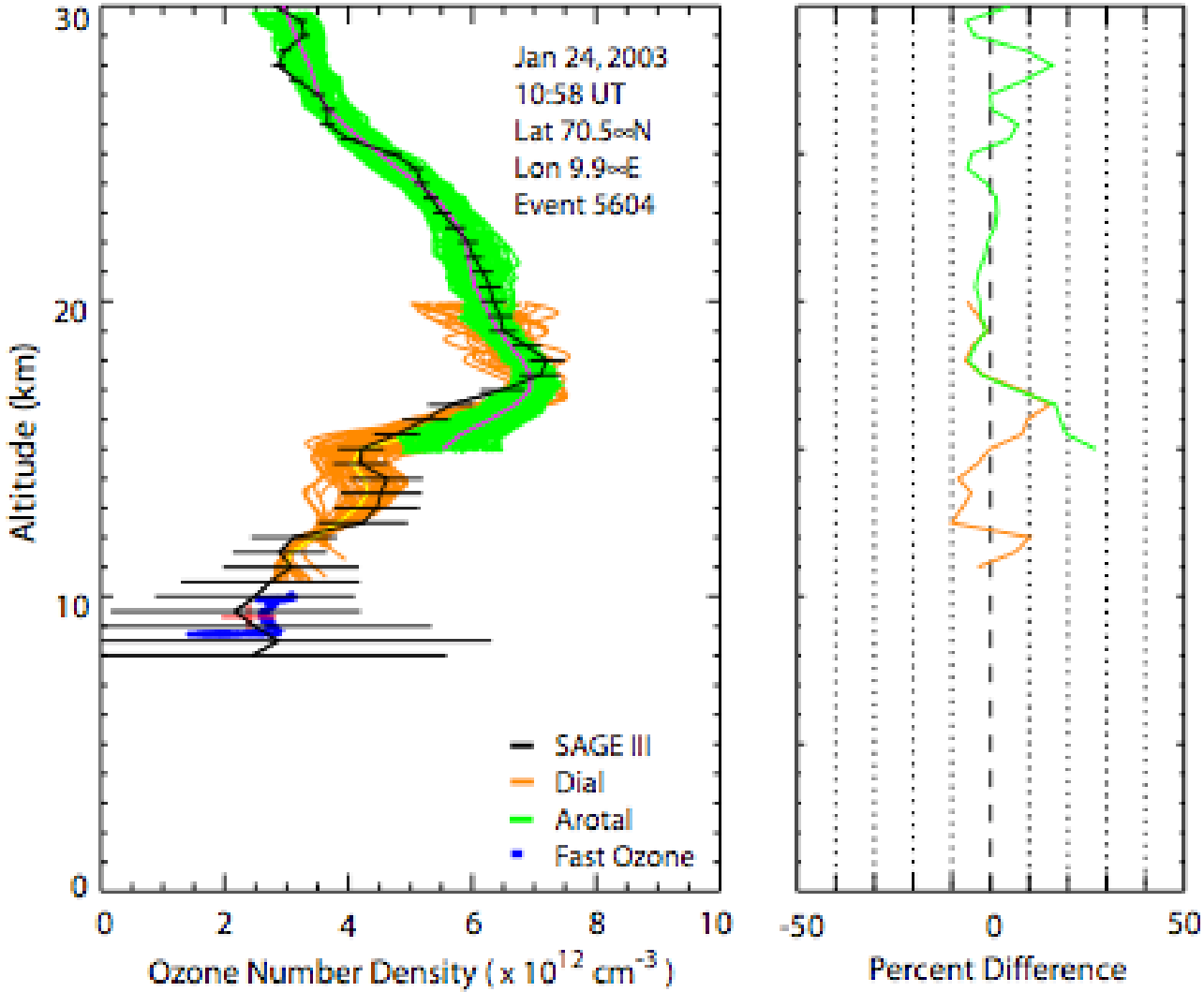
SAGE III - Ozonesonde Comparison
Summary



115 Samples

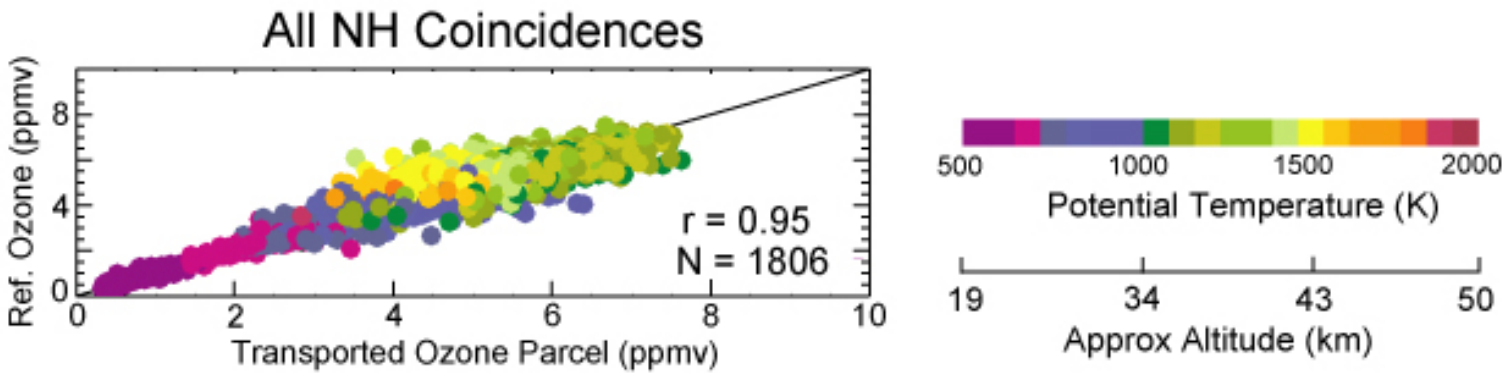
Match Criteria:
- time < 12 hours
- ΔLat 3°
- ΔLon 10º

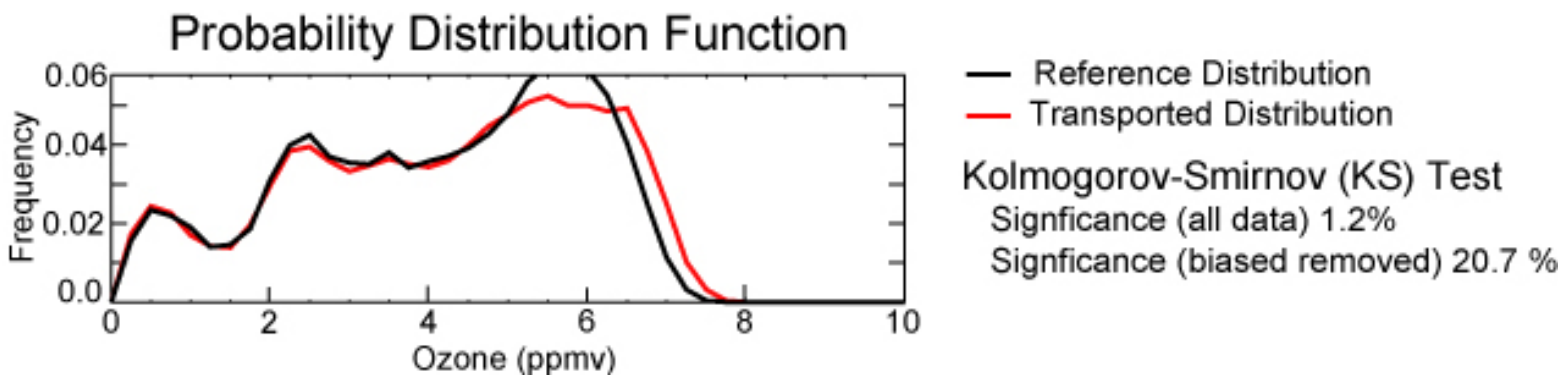
SOLVE-2 Ozone Comparison
(Preliminary Data)



Background on Match Comparison

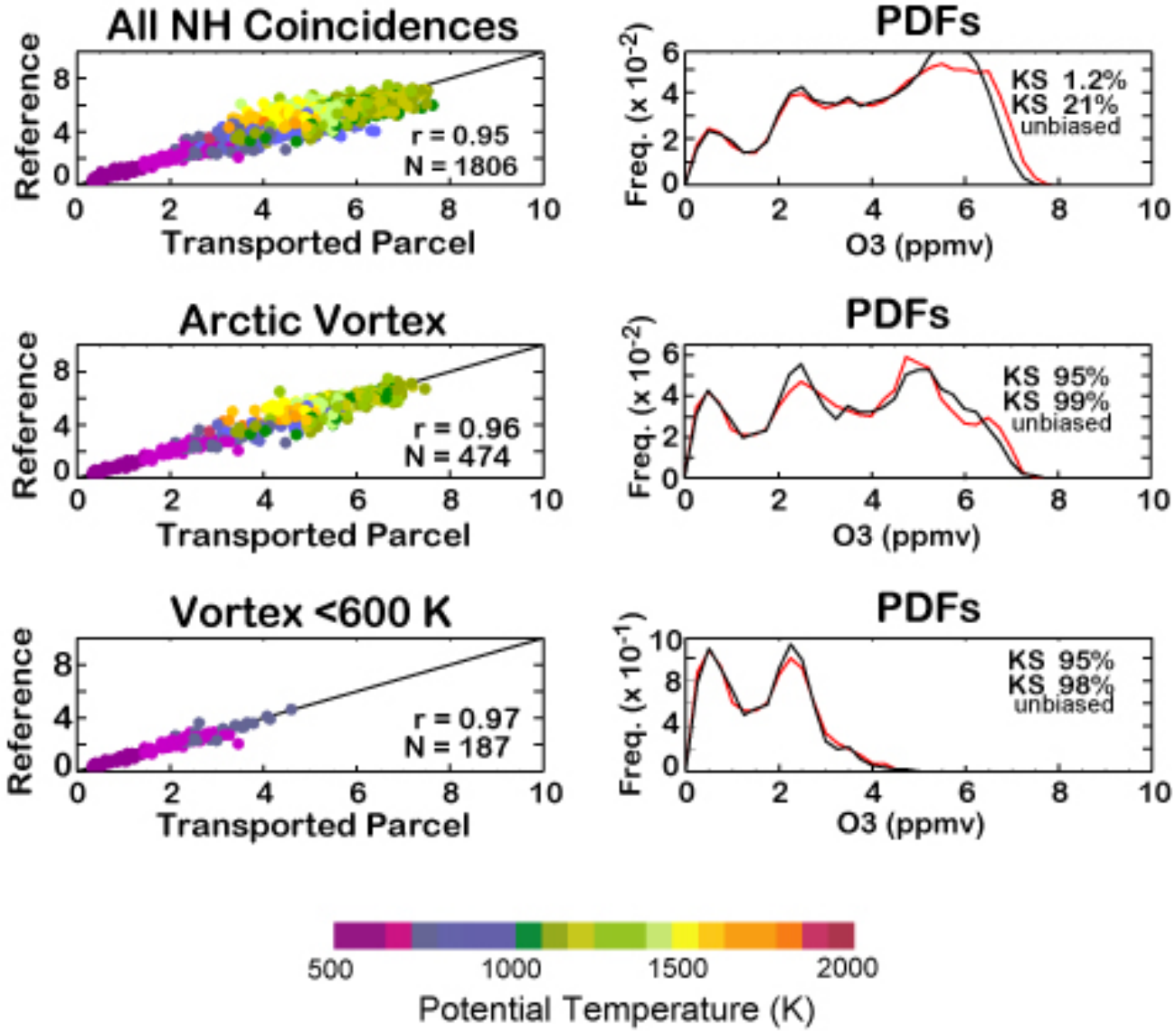
Match Criteria: 2º latitude x 2º longitude; time < 12 hours





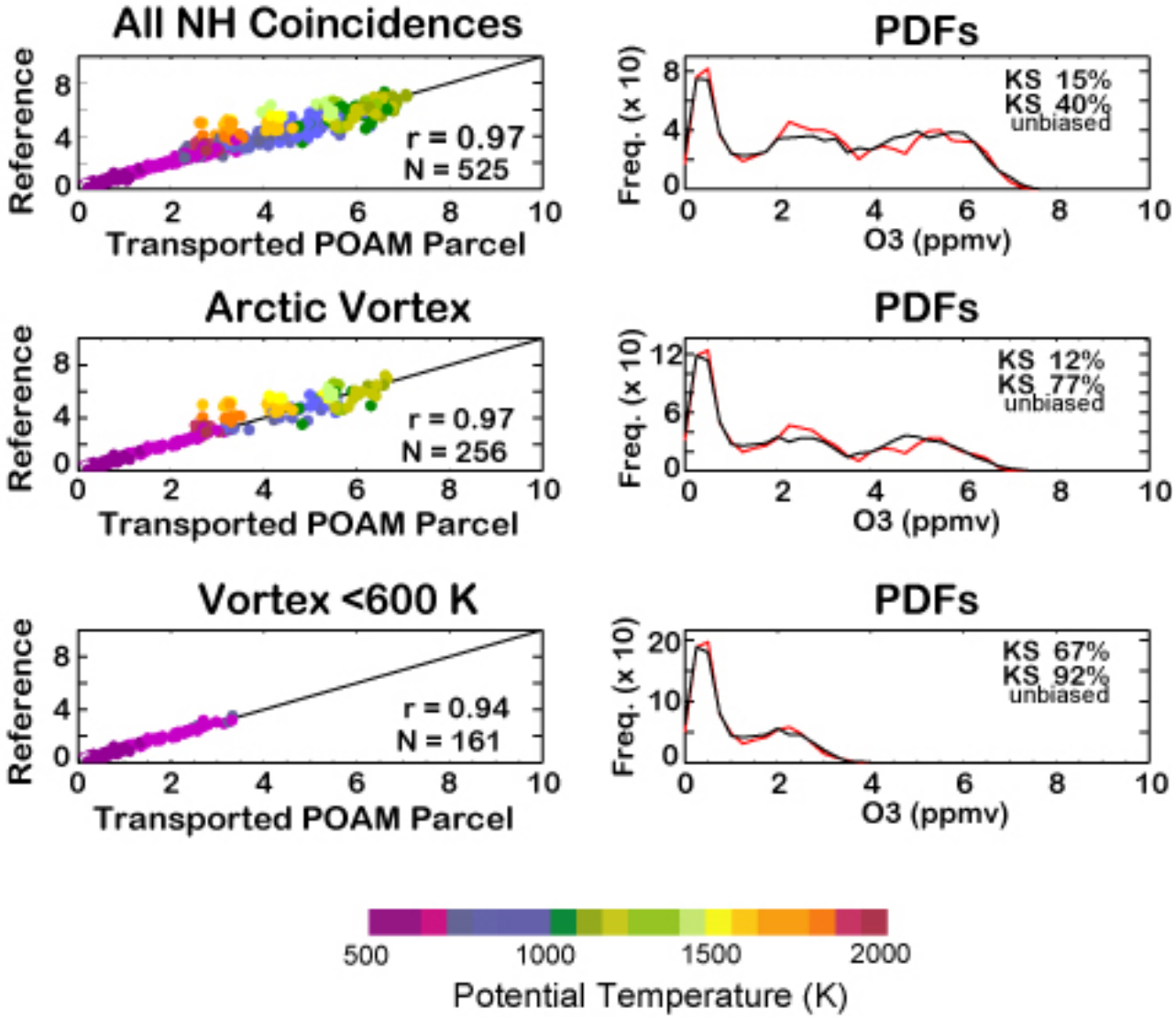
SAGE III & SAGE III Match Comparison

September 2002



SAGE III & POAM III Match Comparison

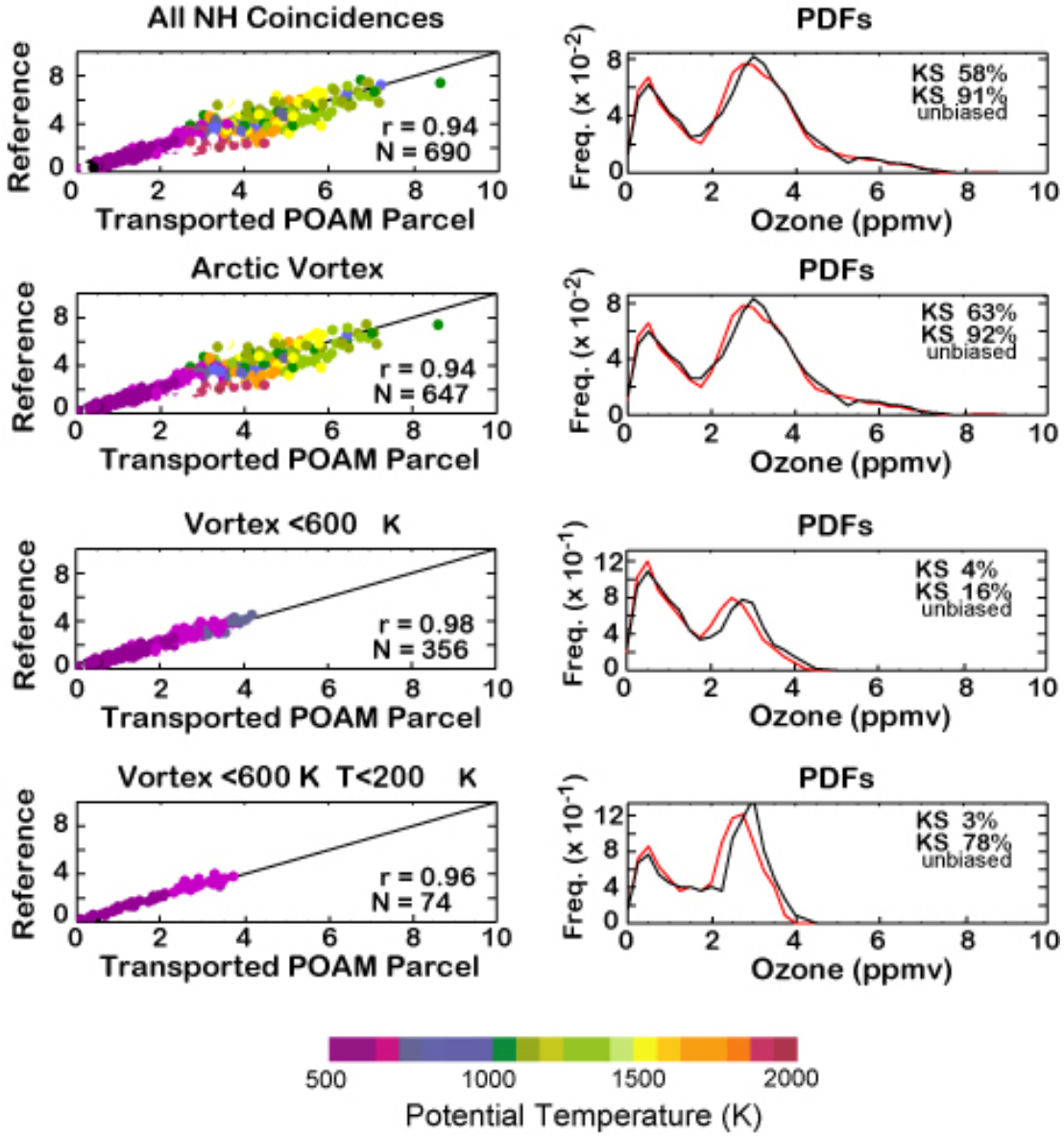
September 2002



Backup Slides

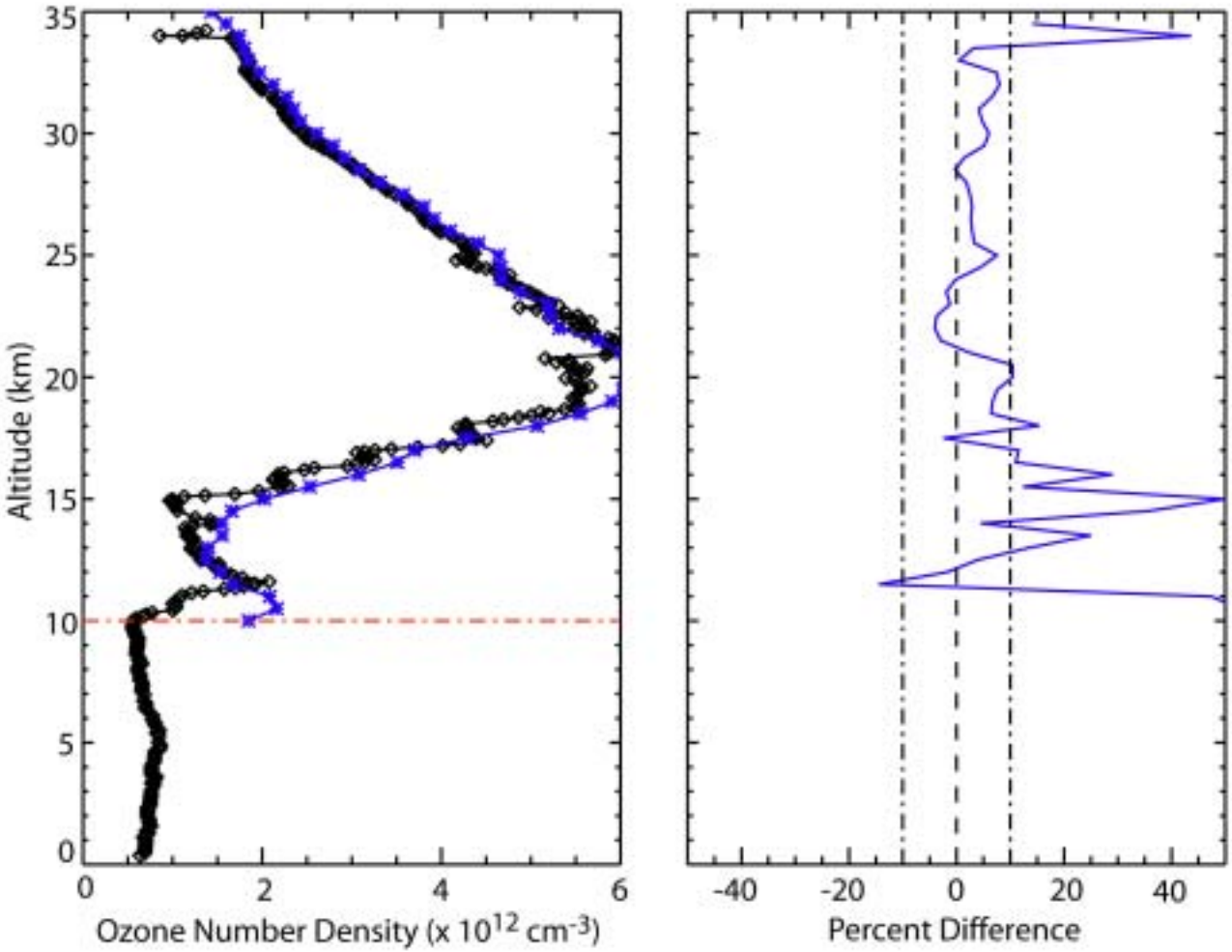
SAGE III & POAM III Match Comparison

December 2002



SAGE III - Ozonesonde Comparison

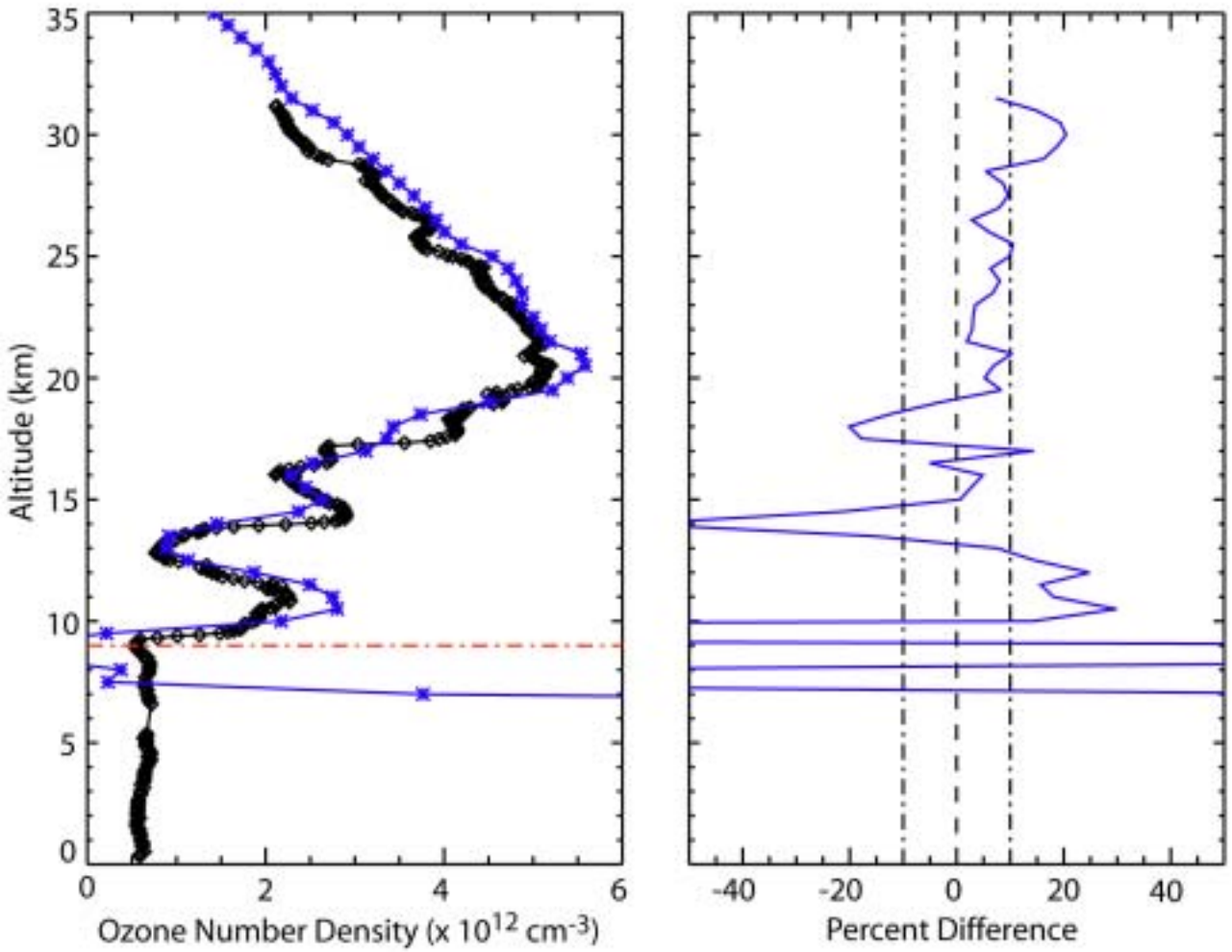
Lauder, New Zealand



19 October 2002
Distance 222 km

SAGE III - Ozonesonde Comparison

Lauder, New Zealand



5 November 2002
Distance 598 km