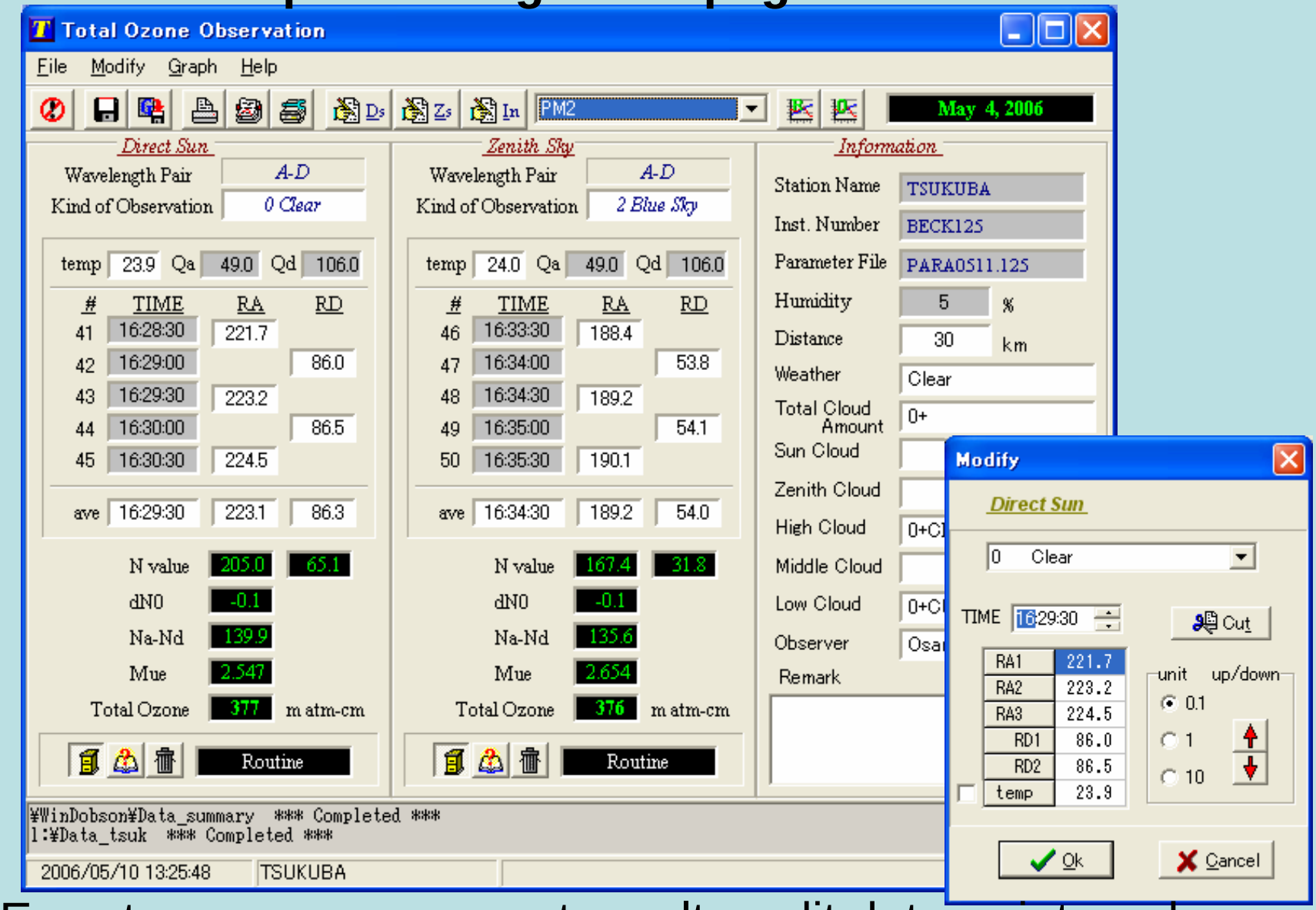
BRIEF INTRODUCTION
to
software package
WINDOBSON

WINDOBSON is a unique software package for operations, data analysis and quality assurance of Dobson spectrophotometer observations. It is applicable for both Total ozone and Umkehr measurements.

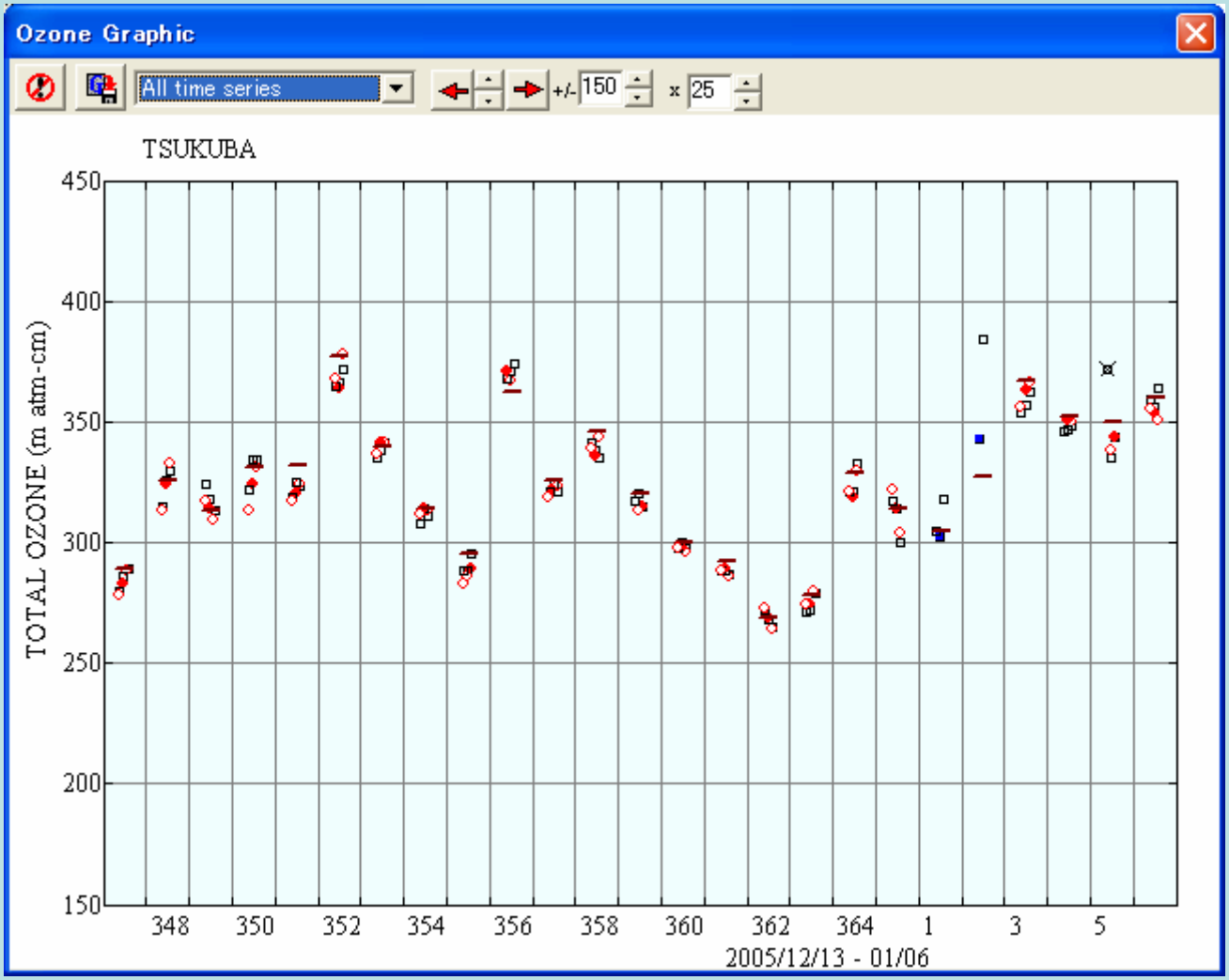
WINDOBSON was developed by *Mr. Koji Miyagawa*, a Dobson expert of the Aerological Observatory, JMA, based on Observatory's long experience of operational use of Dobson instruments.

The unique function and usefulness of ***WINDOBSON*** is introduced briefly in the following pages.

Total Ozone processing: main page

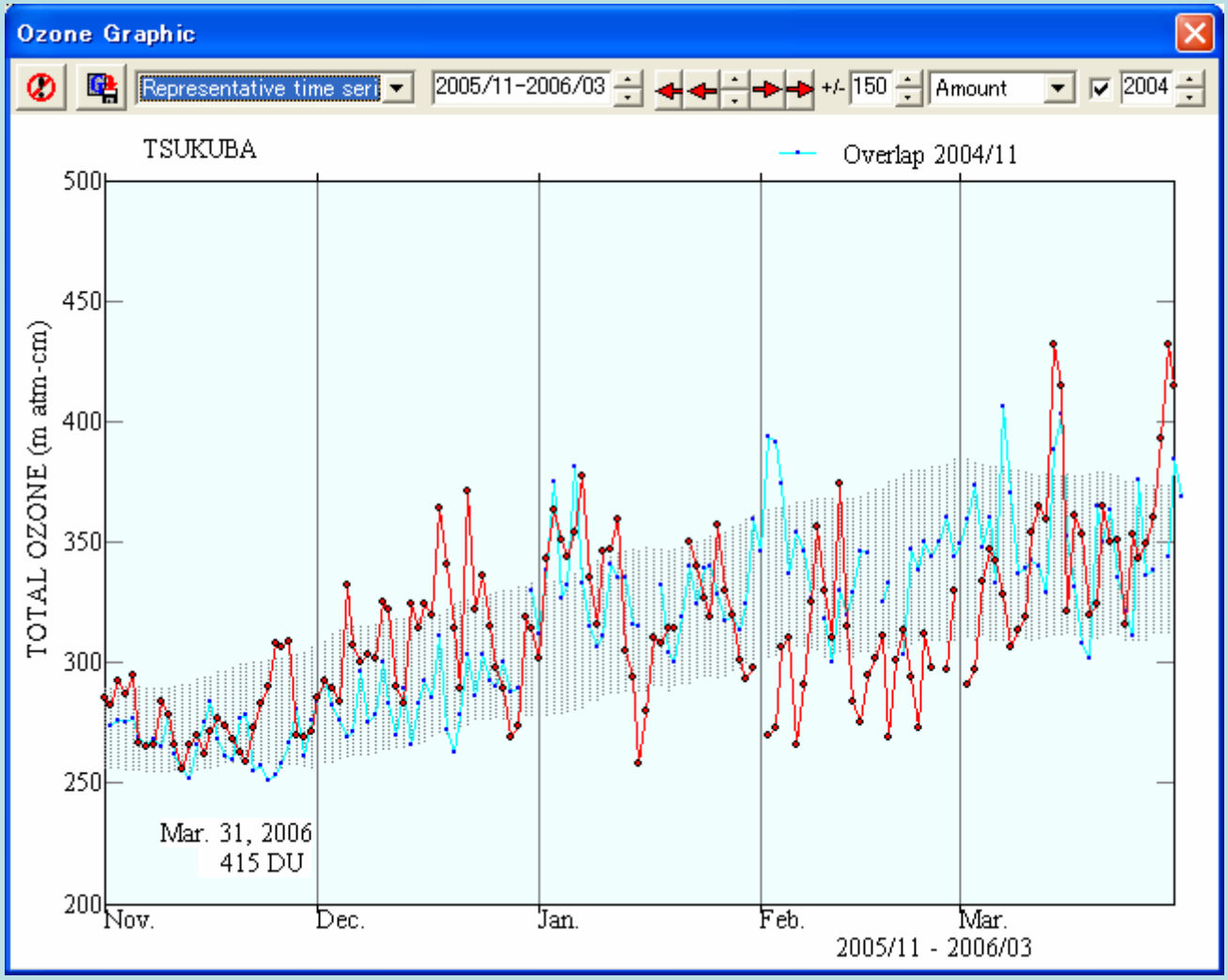


Easy to see measurement results, edit data, print, and save the relevant information.

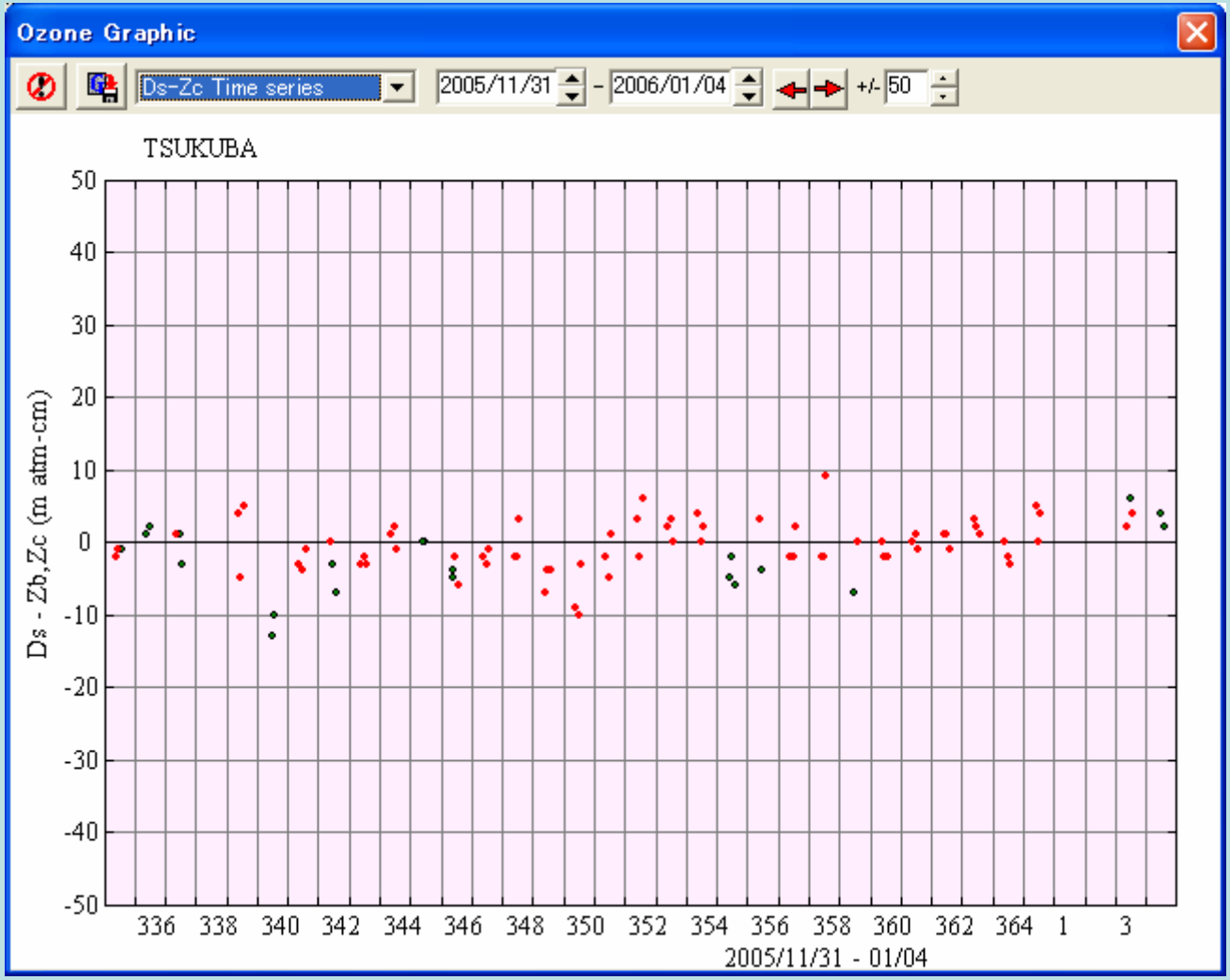


All daily measurement data are displayed in time series.

DS, ZS, daily representative data, and satellite data are shown by respective symbols.

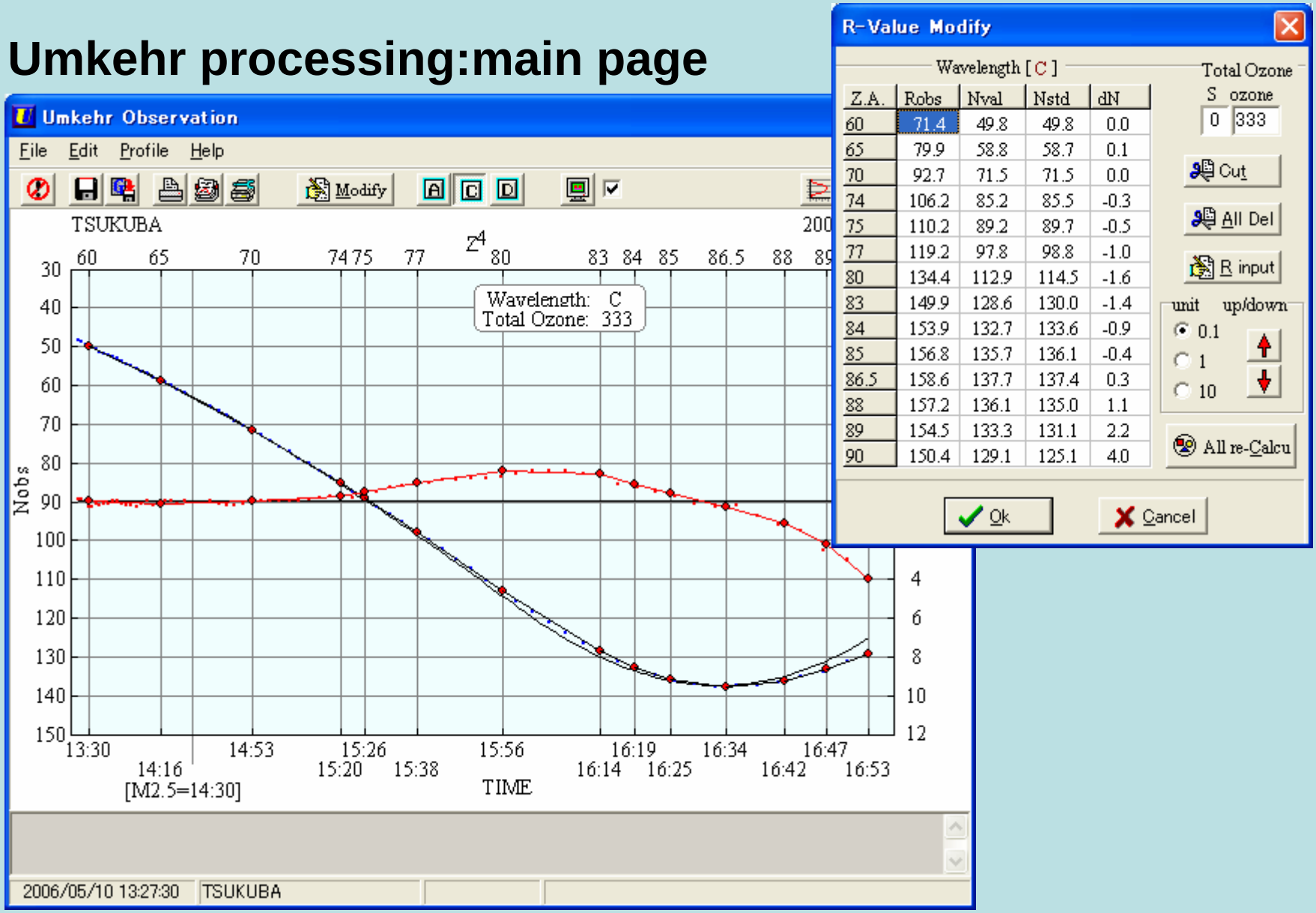


Submitted data to WOUDC can be easily displayed in time series with other reference data.



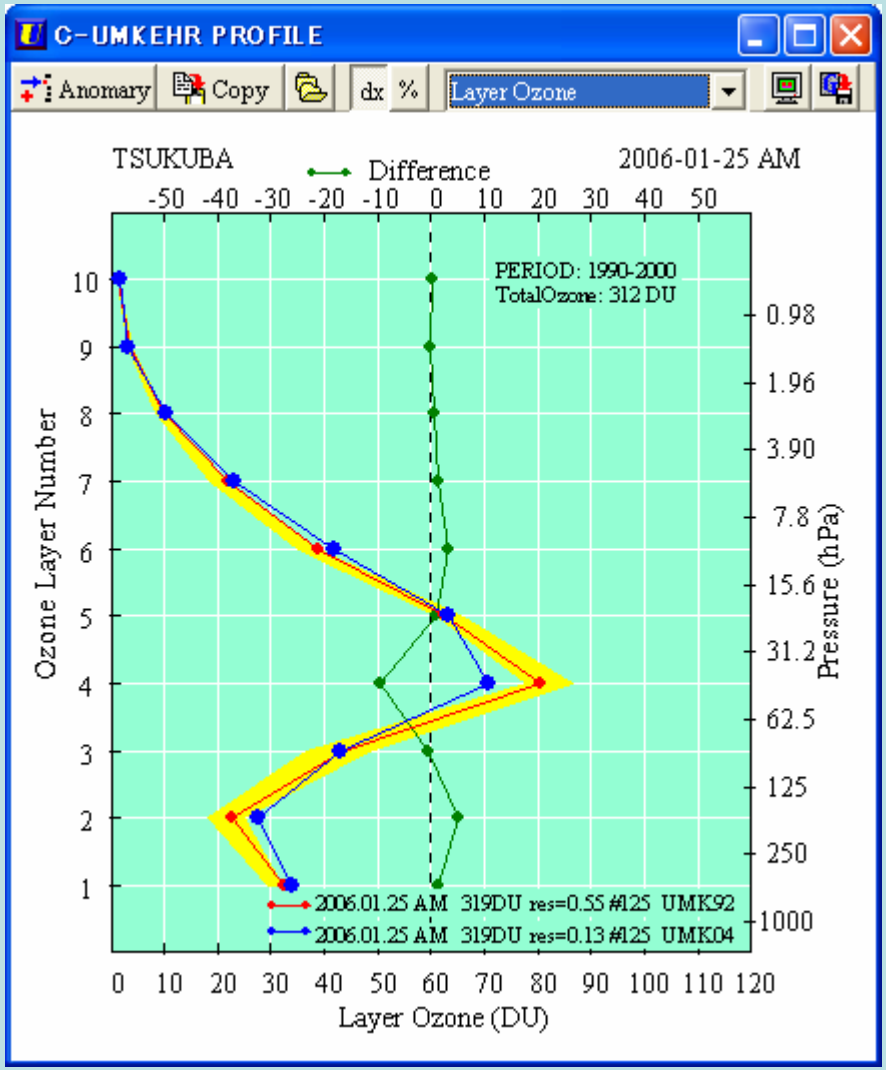
Deviation of results by Direct Sun (DS) and Zenith Sky (ZS) measurements.

Umkehr processing:main page



Z.A.	Robs	Nval	Nstd	dN
60	71.4	49.8	49.8	0.0
65	79.9	58.8	58.7	0.1
70	92.7	71.5	71.5	0.0
74	106.2	85.2	85.5	-0.3
75	110.2	89.2	89.7	-0.5
77	119.2	97.8	98.8	-1.0
80	134.4	112.9	114.5	-1.6
83	149.9	128.6	130.0	-1.4
84	153.9	132.7	133.6	-0.9
85	156.8	135.7	136.1	-0.4
86.5	158.6	137.7	137.4	0.3
88	157.2	136.1	135.0	1.1
89	154.5	133.3	131.1	2.2
90	150.4	129.1	125.1	4.0

Measured values are compared with reference data for standard N value that corresponds to measured total ozone values.



Ozone profile is easily calculated from the former main page for umkehr data. Profile can be derived through both algorithm (UMK92 and UMK04).