

CONTENTS

RNDr. Karel Vaníček

RECALCULATED TOTAL OZONE DATA, HRADEC KRÁLOVÉ, 1962-1990

1. Introduction	5
2. Total Ozone Measurement at Hradec Králové	5
2.1 Identification of the Observatory	5
2.2 Organization of Ozone Measurements	6
2.3 Data Processing and Storing	7
3. Maintenance of the Spectrophotometer	8
3.1 Repairs and Adjustments of the Instrument	8
3.2 Regular Tests of the Spectrophotometer	9
3.3 International Comparisons	11
4. Methodology of Data Recalculation	14
4.1 Reconstruction of R-N Tables	14
4.2 Retrospective Recalculations and Data Selection	15
5. Evaluation of Results	16
5.1 Recalculated Total Ozone Data Base	16
5.2 Comparison of Original and Recalculated Total Ozone Values	20
5.3 Comparison with Satellite Data	23
6. Conclusion	30
References	33

Enclosure A. Model Forms for Ozone Measurements.

 Reference R-H Conversion Tables-Arosa 1986
 Hradec Králové Observatory

Enclosure B. Recalculated Daily and Monthly Total Ozone
Averages Hradec Králové, 1962-1990