#266

OGO-4

67-073A-14A

OZONE DATA

OGO 4

OZONE PROFILES, TAPE

67-073A-14A

This data set has been restored. There was originally one 7-track, 556 BPI tape written in BCD. There is one restored tape written in ASCII. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 7094 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
DR005365	DS005365	D014012	1	08/30/67 - 02/29/68

o D014012: Read error occurred in record 336.

REQ. AGENT	RAND NO.	ACQ. AGENT
DLB	RC0020	RNH

OGO-4

67-073A-14A

OZONE DATA

This data set contains 1 OGO-4 Ozone data tape which was created on an IBM 7094 computer. The tape is 556 BPI, 7 track, ~~BCD~~ ASCII.

The time span for the tape is:

D#	C#	TIME SPAN
D-14012	C-11263	8/30/67 - 2/29/68

6 - 273A-18A

OGO-4 OZONE DATA TAPE

This tape contains five months of data on five files, one for each month.

For September	1967	there are	995 data sets
For October	1967	there are	1508 data sets
For November	1967	there are	647 data sets
For December	1967	there are	514 data sets
For January	1968	there are	381 data sets

The seven track tape is written in 556 even parity, card image format. Each data set consists of 5 records or card images of the format given below. Thus, the number of records in each file is five times the data set number. The format is as follows:

CARD #1 - LASP tape #, LASP record #, date (month, day, year), Greenwich time (hours, minutes seconds), local time (hours, minutes, seconds) height (km), latitude (degrees), longitude (degrees), sun azimuth angle (degrees), sun zenith angle (degrees),

FORMAT (A10,4I7,5F6.1, 12X)

CARD #2 - #5 16 pair of values of pressure (millibars) and corresponding mixing ratios (gm/gm)

FORMAT (8E 10.3), 4 pair per card image.

A description of the data acquisition and reduction techniques can be found in Anderson (1969), Anderson et al. (1969), Barth and Mackey (1969).

REFERENCES

Anderson, G. P., "The Vertical Distribution of Ozone Between 35 and 55 KM as Determined from Satellite Ultraviolet Measurements", Masters Thesis, University of Colorado, 1969.

Anderson, G. P., C. A. Barth, F. Cayla, J. London, "Satellite Observations of the Vertical Ozone Distribution in the Upper Stratosphere," Ann. Geophys. 25, 341-345, 1969.

Barth, C. A. and E. F. Mackey, "OGO-4 Ultraviolet Spectrometer", IEEE, Trans. Geosci., GE-7, 114-119, 1969.

EOF-PARITY-ERROR TAPE CHECK RUN BEGINS. D-14012

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 20226 OF FILE NO. 1

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 1 OF FILE NO. 2

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 1 OF FILE NO. 3

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 1 OF FILE NO. 4

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 1 OF FILE NO. 5

INPUT TAPE HAS 1519.94 FEET OF DATA

EOF-PARITY-ERROR TAPE CHECK RUN HAS ENDED.

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LASP tape# | LASP rec# | date | hh/mm/ss | hh/mm/ss | height | lat | long | azimuth | zenith |
                                  GMT       local
LDF047          35   83067 173757 144452 736.3 -63.9 -43.1  41.5  79.2            0000          REC    1. LENGTH   84
 3.701E-01 1.164E-06 7.033E-01 3.615E-06 9.227E-01 7.397E-06 1.110E&00 9.642E-060000            REC    2. LENGTH   84
 1.315E&00 1.105E-05 1.553E&00 1.158E-05 1.842E&00 1.160E-05 2.199E&00 1.135E-050000            REC    3. LENGTH   84
 2.648E&00 1.081E-05 3.216E&00 1.046E-05 3.936E&00 1.013E-05 4.860E&00 9.909E-060000   OGO-4    REC    4. LENGTH   84
 6.108E&00 9.358E-06 8.004E&00 8.341E-06 1.132E&01 7.680E-06 2.470E&01 4.554E-060000   D-14012  REC    5. LENGTH   84
LDF047          36   83067 173911 145020 716.3 -59.5 -42.0  43.4  76.4            0000   C-11263  REC    6. LENGTH   84
 3.331E-01 1.430E-06 6.620E-01 4.246E-06 8.900E-01 8.247E-06 1.091E&00 1.083E-050000            REC    7. LENGTH   84
 1.309E&00 1.250E-05 1.561E&00 1.317E-05 1.864E&00 1.329E-05 2.236E&00 1.312E-050000            REC    8. LENGTH   84
 2.699E&00 1.263E-05 3.279E&00 1.234E-05 4.007E&00 1.206E-05 4.932E&00 1.189E-050000            REC    9. LENGTH   84
 6.176E&00 1.128E-05 8.058E&00 1.009E-05 1.134E&01 9.306E-06 2.452E&01 5.547E-060000            REC   10. LENGTH   84
LDF047          37   83067 174025 145434 695.8 -55.1 -41.3  45.3  73.7            0000          REC   11. LENGTH   84
 3.510E-01 1.516E-06 7.097E-01 4.425E-06 9.645E-01 8.317E-06 1.190E&00 1.133E-050000            REC   12. LENGTH   84
 1.428E&00 1.336E-05 1.697E&00 1.429E-05 2.017E&00 1.460E-05 2.404E&00 1.457E-050000            REC   13. LENGTH   84
 2.882E&00 1.414E-05 3.476E&00 1.390E-05 4.218E&00 1.364E-05 5.158E&00 1.349E-050000            REC   14. LENGTH   84
 6.417E&00 1.284E-05 8.319E&00 1.150E-05 1.163E&01 1.063E-05 2.492E&01 6.328E-060000            REC   15. LENGTH   84
LDF047          46   83067 175128 151331 516.9 -13.8 -39.3  67.3  53.2            0000          REC   16. LENGTH   84
 3.015E-01 2.194E-06 7.480E-01 5.159E-06 1.154E&00 7.625E-06 1.558E&00 1.123E-050000            REC   17. LENGTH   84
 1.948E&00 1.446E-05 2.358E&00 1.631E-05 2.823E&00 1.738E-05 3.362E&00 1.806E-050000            REC   18. LENGTH   84
 4.002E&00 1.825E-05 4.766E&00 1.864E-05 5.685E&00 1.894E-05 6.811E&00 1.936E-050000            REC   19. LENGTH   84
 8.276E&00 1.888E-05 1.044E&01 1.720E-05 1.413E&01 1.628E-05 2.902E&01 9.566E-060000            REC   20. LENGTH   84
LDF047          47   83067 175242 151453 500.4  -9.1 -39.3  70.8  51.8            0000          REC   21. LENGTH   84
 3.401E-01 2.087E-06 8.128E-01 5.110E-06 1.225E&00 7.817E-06 1.626E&00 1.160E-050000            REC   22. LENGTH   84
 2.013E&00 1.471E-05 2.429E&00 1.627E-05 2.907E&00 1.706E-05 3.472E&00 1.750E-050000            REC   23. LENGTH   84
 4.148E&00 1.752E-05 4.963E&00 1.776E-05 5.950E&00 1.794E-05 7.164E&00 1.830E-050000            REC   24. LENGTH   84
 8.746E&00 1.780E-05 1.110E&01 1.616E-05 1.508E&01 1.537E-05 3.151E&01 8.822E-060000            REC   25. LENGTH   84
LDF047          48   83067 175356 151613 485.1  -4.4 -39.2  74.6  50.7            0000          REC   26. LENGTH   84
 3.271E-01 2.121E-06 8.034E-01 5.042E-06 1.238E&00 7.293E-06 1.678E&00 1.056E-050000            REC   27. LENGTH   84
 2.109E&00 1.344E-05 2.567E&00 1.509E-05 3.085E&00 1.615E-05 3.683E&00 1.692E-050000            REC   28. LENGTH   84
 4.386E&00 1.726E-05 5.218E&00 1.778E-05 6.211E&00 1.821E-05 7.418E&00 1.874E-050000            REC   29. LENGTH   84
 8.982E&00 1.833E-05 1.129E&01 1.670E-05 1.520E&01 1.590E-05 3.124E&01 9.177E-060000            REC   30. LENGTH   84
LDF047          49   83067 175509 151732 471.2    .4 -39.2  78.5  49.9            0000          REC   31. LENGTH   84
 3.501E-01 2.067E-06 8.401E-01 5.039E-06 1.275E&00 7.461E-06 1.708E&00 1.087E-050000            REC   32. LENGTH   84
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 2.132E&00 1.376E-05 2.585E&00 1.540E-05 3.098E&00 1.647E-05 3.690E&00 1.728E-050000   REC   33. LENGTH   84
 4.384E&00 1.766E-05 5.206E&00 1.820E-05 6.186E&00 1.862E-05 7.380E&00 1.914E-050000   REC   34. LENGTH   84
 8.927E&00 1.870E-05 1.122E&01 1.703E-05 1.509E&01 1.618E-05 3.099E&01 9.357E-060000   REC   35. LENGTH   84
LDF047          50  83067 175623 151852 458.8   5.2 -39.2  82.5  49.5            0000   REC   36. LENGTH   84
 2.982E-01 2.182E-06 7.782E-01 4.852E-06 1.248E&00 6.614E-06 1.735E&00 9.873E-060000   REC   37. LENGTH   84
 2.192E&00 1.324E-05 2.656E&00 1.545E-05 3.165E&00 1.684E-05 3.747E&00 1.770E-050000   REC   38. LENGTH   84
 4.431E&00 1.796E-05 5.247E&00 1.837E-05 6.227E&00 1.868E-05 7.426E&00 1.913E-050000   REC   39. LENGTH   84
 8.984E&00 1.867E-05 1.129E&01 1.700E-05 1.519E&01 1.617E-05 3.117E&01 9.359E-060000   REC   40. LENGTH   84
LDF047          51  83067 175737 152013 447.9  10.0 -39.2  86.5  49.4            0000   REC   41. LENGTH   84
 4.208E-01 1.942E-06 9.336E-01 5.147E-06 1.353E&00 8.035E-06 1.761E&00 1.155E-050000   REC   42. LENGTH   84
 2.166E&00 1.432E-05 2.606E&00 1.590E-05 3.108E&00 1.697E-05 3.687E&00 1.777E-050000   REC   43. LENGTH   84
 4.368E&00 1.809E-05 5.178E&00 1.857E-05 6.147E&00 1.893E-05 7.331E&00 1.942E-050000   REC   44. LENGTH   84
 8.868E&00 1.895E-05 1.114E&01 1.726E-05 1.500E&01 1.640E-05 3.073E&01 9.518E-060000   REC   45. LENGTH   84
LDF047          52  83067 175851 152137 438.5  14.8 -39.1  90.6  49.6            0000   REC   46. LENGTH   84
 3.113E-01 2.146E-06 7.953E-01 4.886E-06 1.255E&00 6.889E-06 1.721E&00 1.034E-050000   REC   47. LENGTH   84
 2.160E&00 1.362E-05 2.615E&00 1.557E-05 3.124E&00 1.674E-05 3.709E&00 1.755E-050000   REC   48. LENGTH   84
 4.396E&00 1.791E-05 5.209E&00 1.849E-05 6.176E&00 1.899E-05 7.348E&00 1.962E-050000   REC   49. LENGTH   84
 8.860E&00 1.927E-05 1.108E&01 1.765E-05 1.483E&01 1.681E-05 2.997E&01 9.886E-060000   REC   50. LENGTH   84
LDF047          53  83067 180004 152305 430.8  19.7 -39.1  94.5  50.1            0000   REC   51. LENGTH   84
 3.423E-01 2.003E-06 8.527E-01 4.689E-06 1.327E&00 6.656E-06 1.804E&00 1.008E-050000   REC   52. LENGTH   84
 2.246E&00 1.363E-05 2.691E&00 1.605E-05 3.176E&00 1.757E-05 3.729E&00 1.845E-050000   REC   53. LENGTH   84
 4.382E&00 1.865E-05 5.163E&00 1.897E-05 6.109E&00 1.917E-05 7.272E&00 1.951E-050000   REC   54. LENGTH   84
 8.793E&00 1.892E-05 1.106E&01 1.715E-05 1.491E&01 1.622E-05 3.076E&01 9.355E-060000   REC   55. LENGTH   84
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