
Subject: read irregular data

Posted by [k_ghreep](#) on Thu, 21 Jun 2012 20:23:48 GMT

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Dear all

The following data represents the output of numerical model and consists of 42 lines header with 9 time intervals air masses back trajectory.

each interval consists of 3 columns as follows (time in SECS
LONGIT LATIT)

Please note that, each intervals are not regular in number of recorders.

Just I would like to read each interval for later plotting on a map,

Thank you very much for any suggestions

```

42
lines
*****
*
*
*      MODEL OUTPUT
*      FOR ECMWF WINDFIELDS
*
*****
*
*      TIME OF COMPUTATION:
*
*
*****
*
*      TYPE OF TRAJECTORIES: 3-DIMENSIONAL
*
*****
*
*      INTEGRATION SCHEME: PETTERSSSEN
*      INTERPOLATION METHOD: IDEAL
*
*      SPATIAL CFL CRITERION: 5.00
*      TEMPORAL CFL CRITERION: 5.00
*
*****
*
* START POINT COMMENT: 1
* MODEL RUN COMMENT: Test run #1
*
*****
*
```

```

* INFORMATION ON WIND FIELDS USED FOR COMPUTATIONS:      *
*                               *
* NORMAL INTERVAL BETWEEN WIND FIELDS: 21600 SECONDS      *
* MAXIMUM INTERVAL BETWEEN WIND FIELDS: 43200 SECONDS      *
*                               *
* NUMBER OF VERTICAL LEVELS: 26 26                        *
*                               *
* MOTHER DOMAIN:                                           *
* LONGITUDE RANGE: -179.00 TO 181.00 GRID DISTANCE: 1.00  *
* LATITUDE RANGE: -90.00 TO 90.00 GRID DISTANCE: 1.00    *
*                               *
*****

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```

DATE: 20100101  TIME:    0  STOP INDEX: 4  # OF POINTS:  0
  SECS LONGIT  LATIT
DATE: 20100101  TIME: 60000  STOP INDEX: 4  # OF POINTS: 22
  SECS LONGIT  LATIT
    0 30.5500 31.2200
 10800 31.0777 31.4712
 21600 31.6980 31.7378
 32400 32.3754 32.0158
 43200 32.9813 32.4832
 54000 33.6279 33.2968
 64800 34.4324 34.3679
 75600 35.8784 35.7241
 86400 37.1938 36.6814
 97200 38.1794 37.4886
108000 38.7108 38.5233
118800 40.1978 39.9576
129600 42.6493 41.5745
140400 44.8202 42.6815
151200 46.4813 43.5226
162000 47.0513 43.8971
172800 48.0893 43.8713
183600 49.1949 43.4122
194400 50.6004 42.3263
205200 51.7657 41.3240
216000 53.2761 41.0896
226800 55.5605 41.2063
DATE: 20100101  TIME: 120000  STOP INDEX: 4  # OF POINTS: 20
  SECS LONGIT  LATIT
    0 30.5500 31.2200
 10800 31.1682 31.4713
 21600 31.8679 31.6866
 32400 32.6110 32.0530
 43200 33.4240 32.7381
 54000 34.3778 33.7165
 64800 35.8898 34.9839

```

75600	37.8033	35.7301
86400	39.0342	36.4301
97200	40.0964	37.3989
108000	41.6892	38.6696
118800	42.8528	40.3789
129600	44.6289	41.9685
140400	46.3746	42.4304
151200	47.1344	42.6131
162000	48.1750	42.6243
172800	49.4949	42.5143
183600	50.6283	42.7033
194400	52.2155	42.6926
205200	54.4112	42.5193

DATE: 20100101 TIME: 180000 STOP INDEX: 4 # OF POINTS: 18

	SECS	LONGIT	LATIT
0	30.5500	31.2200	
10800	31.3085	31.5033	
21600	32.2164	32.0014	
32400	33.2297	32.8015	
43200	34.4234	33.9005	
54000	36.2144	35.2356	
64800	37.8611	36.1156	
75600	39.1425	37.1494	
86400	40.9643	38.5659	
97200	43.1172	40.5963	
108000	45.5329	42.0181	
118800	46.8191	42.3172	
129600	47.7209	42.5622	
140400	49.1237	42.4815	
151200	50.6489	43.0787	
162000	52.3758	43.8381	
172800	53.8833	44.2909	
183600	55.4246	45.0765	

DATE: 20100102 TIME: 0 STOP INDEX: 4 # OF POINTS: 16

	SECS	LONGIT	LATIT
0	30.5500	31.2200	
10800	31.5468	31.8390	
21600	32.7216	32.6781	
32400	34.0606	33.6989	
43200	35.5776	35.1445	
54000	37.3782	36.4714	
64800	38.7394	37.7928	
75600	40.9615	39.6831	
86400	44.1912	41.3853	
97200	46.4424	42.0052	
108000	47.1171	42.4249	
118800	48.2654	42.5881	
129600	49.7993	42.7742	

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140400 51.5350 43.6455
151200 53.3482 43.9259
162000 54.9458 44.3800
DATE: 20100102  TIME: 60000  STOP INDEX: 4  # OF POINTS: 14
  SECS  LONGIT  LATIT
    0 30.5500 31.2200
  10800 31.7302 31.9751
  21600 33.2611 32.7041
  32400 34.8288 33.4798
  43200 36.3224 34.5193
  54000 38.5113 35.4678
  64800 40.5695 36.3747
  75600 42.4247 37.5182
  86400 44.1585 38.7338
  97200 46.3204 39.4980
 108000 49.0233 40.1062
 118800 51.7948 40.6226
 129600 54.4813 41.0795
 140400 57.4778 41.6037
DATE: 20100102  TIME: 120000  STOP INDEX: 4  # OF POINTS: 12
  SECS  LONGIT  LATIT
    0 30.5500 31.2200
  10800 31.9207 31.9008
  21600 33.4917 32.6204
  32400 35.2970 33.3300
  43200 37.1154 34.2255
  54000 39.0265 34.9293
  64800 40.6784 35.1554
  75600 42.1254 35.2001
  86400 43.5465 35.3211
  97200 44.7946 35.6273
 108000 46.4071 36.5751
 118800 48.1721 37.5915
DATE: 20100102  TIME: 180000  STOP INDEX: 4  # OF POINTS: 10
  SECS  LONGIT  LATIT
    0 30.5500 31.2200
  10800 31.8881 31.4070
  21600 33.3066 31.5165
  32400 34.7307 31.6514
  43200 35.8533 31.9348
  54000 37.2701 32.1413
  64800 38.7396 32.3894
  75600 40.1524 32.6616
  86400 41.4610 32.7791
  97200 42.5568 33.0416
DATE: 20100103  TIME: 0  STOP INDEX: 4  # OF POINTS: 0
  SECS  LONGIT  LATIT

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