A Big Earth Data Platform for Three Poles

**WATER: Dataset of airborne imaging spectrometer (OMIS-II) mission in the Zhangye-Yingke-Huazhaizi flight zone on Jun. 4, 2008**

1、Description

Dataset of airborne imaging spectrometer (OMIS-II) mission was obtained in the Zhangye-Yingke-Huazhaizi flight zone on Jun. 4, 2008. Data after radiometric correction and calibration and geometric approximate correction were released.  
 The flying time of each route was as follows:  
  
{|   
! id  
! flight  
! file  
! starttime  
! lat  
! long   
! alt  
! image linage  
! endtime  
! lat  
! long  
! alt  
|-  
| 1 || 3-15 || 2008-06-04\_10-09-09\_DATA.BSQ || 10:09:16 || 38.964 || 100.512 || 3315.0 || 6764 || 10:16:47 || 38.713 || 100.351 || 3351.0  
|-  
| 2 || 3-14 || 2008-06-04\_10-20-29\_DATA.BSQ || 10:21:20 || 38.713 || 100.344 || 3319.1 || 6865 || 10:28:57 || 38.961 || 100.504 || 3311.7  
|-  
| 3 || 3-13 || 2008-06-04\_10-33-05\_DATA.BSQ || 10:34:27 || 38.974 || 100.505 || 3340.1 || 6934 || 10:42:09 || 38.718 || 100.341 || 3370.7  
|-  
| 4 || 3-12 || 2008-06-04\_10-45-51\_DATA.BSQ || 10:47:00 || 38.711 || 100.30 || 3331.2 || 6999 || 10:54:47 || 38.966 || 100.494 || 3315.8  
|-  
| 5 || 3-11 || 2008-06-04\_10-58-29\_DATA.BSQ || 11:00:26 || 38.978 || 100.495 || 3332.3 || 6914 || 11:08:07 || 38.723 || 100.331 || 3356.2  
|-  
| 6 || 3-10 || 2008-06-04\_11-11-48\_DATA.BSQ || 11:12:43 || 38.716 || 100.320 || 3326.8 || 6969 || 11:20:28 || 38.970 || 100.484 || 3318.1  
|-  
| 7 || 3-9 || 2008-06-04\_11-24-09\_DATA.BSQ || 11:25:54 || 38.978 || 100.483 || 3337.7 || 6755 || 11:33:25 || 38.727 || 100.321 || 3339.4  
|-  
| 8 || 3-8 || 2008-06-04\_11-37-06\_DATA.BSQ || 11:38:31 || 38.721 || 100.310 || 3327.3 || 6930 || 11:46:13 || 38.976 || 100.474 || 3326.6  
|-  
| 9 || 3-7 || 2008-06-04\_11-49-54\_DATA.BSQ || 11:51:37 || 38.984 || 100.473 || 3333.0 || 6730 || 11:59:05 || 38.732 || 100.311 || 3351.4  
|-  
| 10 || 3-6 || 2008-06-04\_12-02-47\_DATA.BSQ || 12:03:48 || 38.725 || 100.300 || -1.0 || 6790 || 12:11:21 || 38.978 || 100.462 || 3325.8  
|-  
| 11 || 3-5 || 2008-06-04\_12-15-02\_DATA.BSQ || 12:16:41 || 38.991 || 100.465 || 3357.9 || 6893 || 12:24:21 || 38.734 || 100.300 || 3386.0  
|-  
| 12 || 3-4 || 2008-06-04\_12-28-02\_DATA.BSQ || 12:28:52 || 38.729 || 100.290 || 3331.3 || 6820 || 12:36:27 || 38.983 || 100.453 || 3327.5  
|-  
| 13 || 3-3 || 2008-06-04\_12-40-09\_DATA.BSQ || 12:41:59 || 38.994 || 100.454 || 3347.3 || 6934 || 12:49:41 || 38.741 || 100.291 || 3360.4  
|-  
| 14 || 3-2 || 2008-06-04\_12-53-23\_DATA.BSQ || 12:54:31 || 38.734 || 100.280 || 3328.1 || 7110 || 13:02:25 || 38.990 || 100.445 || 3338.6  
|-  
| 15 || 3-1 || 2008-06-04\_13-06-07\_DATA.BSQ || 13:07:35 || 39.000 || 100.444 || 3325.9 || 6979 || 13:15:20 || 38.746 || 100.281 || 3334.4  
|}

2、Keywords

Theme：Image spectrometer OMIS-II,Remote Sensing Technology  
Discipline：Remote Sensing Technology  
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches, Zhangye City Foci Experimental Area,   
Time：

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：18292.3MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.0 | - |
| west：100.2 | - | east：100.5 |
| - | south：38.5 | - |

5、Time frame:2008-06-16 17:50:00+00:00--2008-06-16 23:30:00+00:00

6、Reference method

References to data:

MA Mingguo, Liu Liangyun. WATER: Dataset of airborne imaging spectrometer (OMIS-II) mission in the Zhangye-Yingke-Huazhaizi flight zone on Jun. 4, 2008. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0228.db2013

References to articles:

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National Program on Key Basic Research Project (973 Program

8、Data resource provider

name: Liu Liangyun  
unit:   
email:   
  
name: MA Mingguo  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences  
email: mmg@lzb.ac.cn