A Big Earth Data Platform for Three Poles

**NDVI Dataset of Typical Stations in Midstream of Heihe River Basin Based on UAV Remote Sensing (2020, V1)**

1、Description

NDVI is a very important vegetation index for the research of vegetation growth and land cover classification. This dataset provides the monthly normalized differential vegetation index (NDVI) of UAV remote sensing with a spatial resolution of 0.2 m from June to October in 2020. It was measured in the midstream of Heihe River Basin over typical stations. The Pix4D mapper software was used for image mosaic and NDVI calculation.

2、Keywords

Theme：NDVI,Land surface product,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：Zhangye wetland station, huazhaizi desert steppe station, Daman superstation  
Time：2020, 2020-6-10

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：4884.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.98 | - |
| west：100.309 | - | east：100.41 |
| - | south：38.757 | - |

5、Time frame:2020-06-13 16:00:00+00:00--2020-10-20 16:00:00+00:00

6、Reference method

References to data:

WANG Ziwei, ZHOU Ji, LIU Shaomin, JIN Zichun. NDVI Dataset of Typical Stations in Midstream of Heihe River Basin Based on UAV Remote Sensing (2020, V1). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2713472021

References to articles:

Li, M., Zhou, J., Peng, Z., Liu, S., Göttsche, F., Zhang, X., Song, L. (2019). Component radiative temperatures over sparsely vegetated surfaces and their potential for upscaling land surface temperature. Agricultural and Forest Meteorology, 276–277. https://doi.org/10.1016/j.agrformet.2019.05.031

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: LIU Shaomin  
unit: Beijing Normal University  
email: smliu@bnu.edu.cn  
  
name: ZHOU Ji  
unit: University of Electronic Science and Technology of China  
email: jzhou233@uestc.edu.cn  
  
name: WANG Ziwei  
unit:   
email: oneziway@163.com  
  
name: JIN Zichun  
unit:   
email: jinzichun1996@163.com