A Big Earth Data Platform for Three Poles

**HiWATER: COSMO-SkyMed dataset (2012)**

1、Description

This dataset includes three scenes, covering the artificial oasis eco-hydrology experimental area of the Heihe River Basin, which were acquired on (yy-mm-dd hh:mm, BJT) 2012-07-25 07:12, 2012-07-28 19:55, 2012-08-02 07:12.  
The data were all acquired at PingPong mode with product level of SLC, and these three images are of VV/VH, HH/HV and VV/VH polarization, respectively.   
COSMO-SkyMed dataset was acquired from Italian Space Agency (ASI) “COSMO-SkyMed project 1720: HYDROCOSMO” (Courtesy: Prof. Shi Jiancheng from the State Key Laboratory of Remote Sensing Science of China).

2、Keywords

Theme：Radar remote sensing,Satelite images,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, the artificial oasis experimental area in the middle reaches  
Time：2012-07-28, 2012, 2012-07-25, 2012-08-02

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：2150.4MB

4.Data format：数字影像

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.7 | - |
| west：97.1 | - | east：102.0 |
| - | south：37.7 | - |

5、Time frame:2012-08-01 10:03:00+00:00--2012-08-09 10:03:00+00:00

6、Reference method

References to data:

Agenzia Spaziale Italiana (ASI). HiWATER: COSMO-SkyMed dataset (2012). A Big Earth Data Platform for Three Poles, 2013

References to articles:

7、Supporting project information

"Heihe Watershed Allied Telemetry Experimental Research (HiWATER)

8、Data resource provider

name: Agenzia Spaziale Italiana (ASI)  
unit:   
email: data@itpcas.ac.cn