

- [13] Zeng B, Yang T B. Natural vegetation responses to warming climates in Qaidam Basin 1982-2003. *International Journal of Remote Sensing*, 2009, 30: 5685-5701.
- [14] 国志兴, 张晓宁, 王宗明, 等. 东北地区植被物候期遥感模拟与变化规律. *生态学杂志*, 2010, 29(1): 165-172.
- [15] 宋春桥, 游松财, 柯灵红, 等. 藏北高原典型植被样区物候变化及其对气候变化的响应. *生态学报*, 2012, 32(4): 1045-1055.
- [16] Studer S, Stöckli R, Appenzeller C, et al. A comparative study of satellite and ground-based phenology. *International Journal of Biometeorology*, 2007, 51:405-414.
- [17] Ricotta C, Avena G C. The remote sensing approach in broadscalephenological studies. *Applied Vegetation Science*, 2000, 3:117-122.
- [18] White M A, Hoffman F, Hargrove W W. A global framework for monitoring phenological responses to climate change. *Geophysical Research Letters*, 2005, 32(L04705), doi: 10.1029/2004GL021961.
- [19] Heumann B W, Seaquist J W, Eklundh L, et al. AVHRR derived phenologicalchange in the Sahel and Soudan, Africa, 1982-2005. *Remote Sensing of Environment*, 2007, 108: 385-392.
- [20] Pettorelli N, Vik J O, Mysterud A, et al. Using the satellite-derived NDVI to assess ecological responses to environmental change. *Trends in Ecology and Evolution*, 2005, 20: 503-510.
- [21] Holben B N.Characteristics of maximum-value compositeimages from temporal AVHRR data. *International Journal of Remote Sensing*, 1986, 7: 1417-1434.
- [22] Rasmussen M S.Operational yield forecast using AVHRR NDVI data: Reduction of environmental and inter-annual variability. *International Journal of Remote Sensing*, 1997, 18: 1059-1077.
- [23] Karlsen S R, Elvebakk A, Høgda K A, et al.Satellite-based mapping of the growing season and bioclimatic zones in Fennoscandia. *Global Ecology and Biogeography*, 2006, 15: 416-430.
- [24] Guerschman J P, Paruelo J M, Burke I C. Land use impacts on the Normalized difference vegetation index in temperate Argentina. *Ecological Applications*, 2003, 13: 616-628.
- [25] Groten S M E, Ocatre R. Monitoring the length of the growing season with NOAA. *International Journal of Remote Sensing*, 2002, 23: 2797-2815.
- [26] Reed B C, Brown J F, VanderZee D, et al. Measuring phenological variability from satellite imagery. *Journal of Vegetation Science*, 1994, 5: 703-714.
- [27] Paruelo J M, Lauenroth W K. Inter-annual variability of NDVI and its relationship to climate for North American shrublands and grasslands. *Journal of Biogeography*, 1998, 25: 721-733.
- [28] Zhou L, Tucker C J, Kaufmann R K, et al.Variations in northern vegetation activity inferred from satellite data of vegetation index during 1981 to 1999. *Journal of Geophysical Research*, 2001, 106: 20069-20083.
- [29] Slayback D, Pinzon J E, Los S O, et al. Northern Hemisphere photosynthetic trends 1982-99. *Global Change Biology*, 2003, 9: 1-15.
- [30] Pant M. Response of vegetation phenology to rainfall timing in the Sahel 1982-2004. Netherlands: MScthesis, Institute for Geoinformation Science and Earth Observation (ITC), 2008.
- [31] Jönsson P, Eklundh L. Seasonality extraction by function fitting to time-series of satellite sensor data. *IEEE Transactions on Geoscience and Remote Sensing*, 2002, 40: 1824-1832.
- [32] Jönsson P, Eklundh L. TIMESAT—Aprogram for analyzing time-series of satellite sensor data. *Computers & Geosciences*, 2004, 30: 833-845.
- [33] Viovy N, Arino O, Belward A S. The Best Index Slope Extraction (Bise) — A method for reducing noise in NDVI time-series. *International Journal of Remote Sensing*, 1992, 13: 1585-1590.
- [34] Andres L, Salas W A, Skole D. Fourier-analysis of multitemporal AVHRR data applied to a land-cover classification. *International Journal of Remote Sensing*, 1994, 15: 1115-1121.
- [35] Savitzky A, Golay M J E. Smoothing and differentiation of data by simplified least squares procedures. *Analytical Chemistry*, 1964, 36 (8): 1627-1639.
- [36] Chen J, Jönsson P, Tamura M, et al. A simple method for reconstructing a high-quality NDVI time-series data set based on the Savitzky-Golay filter. *Remote Sensing of Environment*, 2004, 91: 332-344.
- [37] Fontana F, Rixen C, Jonas T, et al. Alpine grassland phenology as seen in AVHRR, VEGETATION, and MODIS NDVI time series—a comparison with in situ measurements. *Sensors*, 2008, 8: 2833-2853.
- [38] 侯学煜, 孙世洲, 张经纬, 等. 中华人民共和国植被图. 北京: 地图出版社, 1979.
- [39] Liu J, Tian H, Liu M, et al. China's changing landscape during the 1990s: Large-scale land transformationsestimated with satellite data. *Geophysical Research Letters*, 2005, 32, L02405,doi:10.1029/2004GL021649.
- [40] Anderson J R, Hardy E E, Roach J T, et al. A land use and land cover classification system for use with remotely sensed data. U.S. Geological Survey Professional Paper, 1976(964).
- [41] U.S. Geological Survey. Land use and land cover digital data from 1:250,000-and 1:100,000-scale maps—Data users guide 4. Virginia: U.S. Geological Survey, 1990.
- [42] 吴文斌, 杨鹏, 唐华俊, 等. 基于NDVI数据的华北地区耕地物候空间格局. *中国农业科学*, 2009, 42(2):552-560.
- [43] 任国玉, 初子莹, 周雅清, 等. 中国气温变化研究最新进展. *气候与环境研究*, 2005, 10(4): 701-716.
- [44] Chau A, Heinz K M, Davies F T. Influences of fertilization on population abundance, distribution, and control of *Frankliniella occidentalis* on chrysanthemum. *Entomologia Experimentatlis et Applicata*, 2005, 117: 27-39.

下期要目：“现代天气业务”专辑

- ◆ 我国现代天气业务现状及未来发展趋势
- ◆ 我国精细化气象要素客观预报发展
- ◆ 我国强对流天气监测和预报业务
- ◆ 定量降水预报技术研究进展
- ◆ 我国台风业务现状及其关键技术
- ◆ 我国海洋气象预报业务现状与发展
- ◆ 我国中期和延伸期预报业务现状以及发展趋势