

Status of MODIS Surface Reflectance (MOD09)



MODIS SR Product suite

Collection 6: (Released in 2015)

Bands 1 through 7

250m, 500m, 0.05 deg.

Daily, 8 days

Status and Updates:

- MODIS SR collection 6 (LaSRC: Land Surface Reflectance Code) is the basis for a variety of SR product (VIIRS, AVHRR, Landsat, Sentinel 2) **assuring consistency and traceability in the SR products from multiple satellites/instruments.**
- Validation stage IV (AERONET) and cross-comparison with MODIS is on-going. *ACIX-II (Landsat 8/ S2) is on-going.*

Recent and relevant Publications:

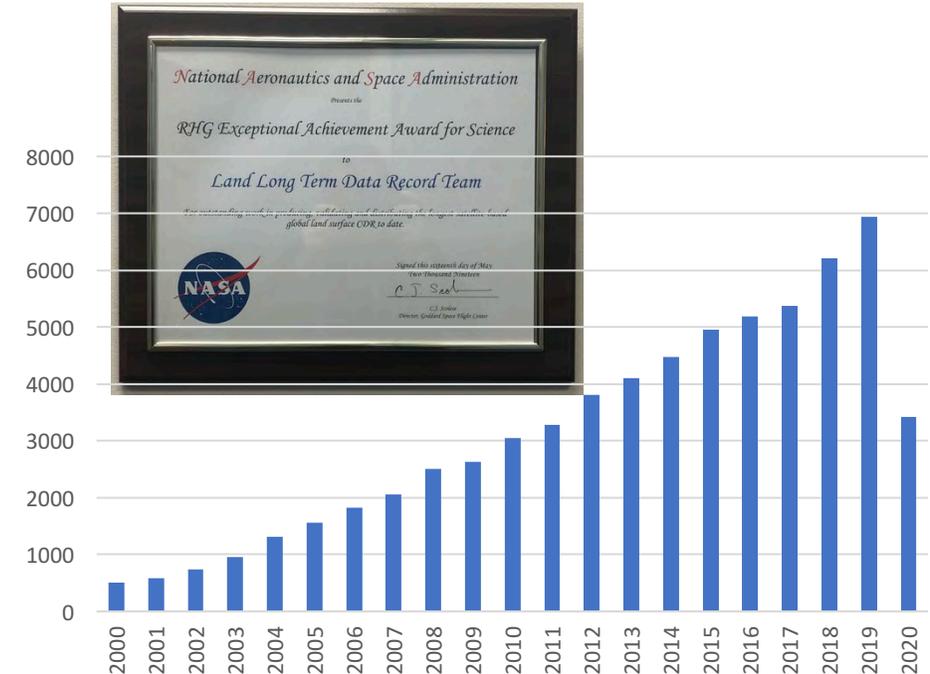
- G Santamaría-Artigas, A.E., et al., 2019. **Evaluation of Near-Surface Air Temperature From Reanalysis Over the United States and Ukraine:** Application to Winter Wheat Yield Forecasting. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing.
- Villaescusa-Nadal, J.L., et al., 2019. **Spectral Adjustment Model's Analysis and Application to Remote Sensing Data.** IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing.
- Franch, B., et al., 2019. **Remote sensing based yield monitoring:** Application to winter wheat in United States and Ukraine. International Journal of Applied Earth Observation and Geoinformation, 76, pp.112-127.
- Becker-Reshef, I., et al., 2018. **Prior Season Crop Type Masks for Winter Wheat Yield Forecasting: A US Case Study.** Remote Sensing, 10(10), p.1659.
- Doxani, G., Vermote, E., Roger, J.C., Gascon, F., Adriaensen, S., Frantz, D., Hagolle, O., Hollstein, A., Kirches, G., Li, F. and Louis, J., 2018. **Atmospheric correction inter-comparison exercise.** Remote Sensing, 10(2), p.352.
- Skakun, S., Franch, B., Vermote, E., Roger, J.C., Becker-Reshef, I., Justice, C. and Kussul, N., 2017. **Early season large-area winter crop mapping using MODIS NDVI data, growing degree days information and a Gaussian mixture model.** Remote Sensing of Environment,

Letter | Published: 08 August 2018

Global land change from 1982 to 2016

Xiao-Peng Song , Matthew C. Hansen, Stephen V. Stehman, Peter V. Potapov, Alexandra Tyukavina, Eric F. Vermote & John R. Townshend

Nature 560, 639–643 (2018) | Download Citation 



Google scholar citations containing MODIS surface reflectance (as of June. 26, 20120) about 66000 total.