



# Extreme Drought MOLDOVA 2007

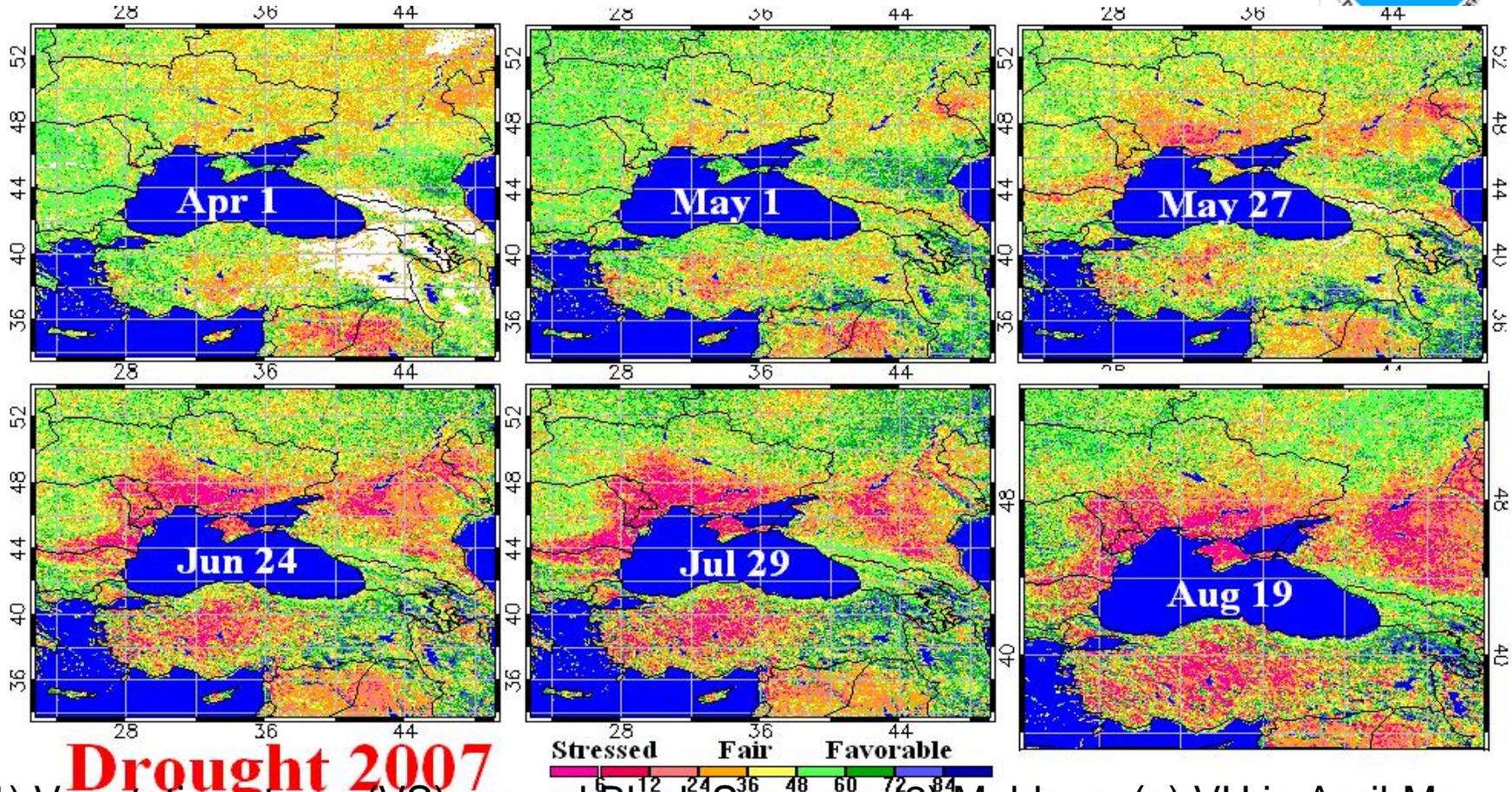
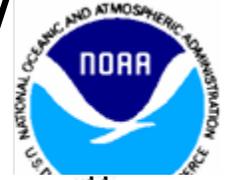
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(NESDIS)*

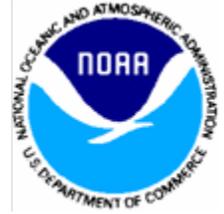
*USA*

**2007**

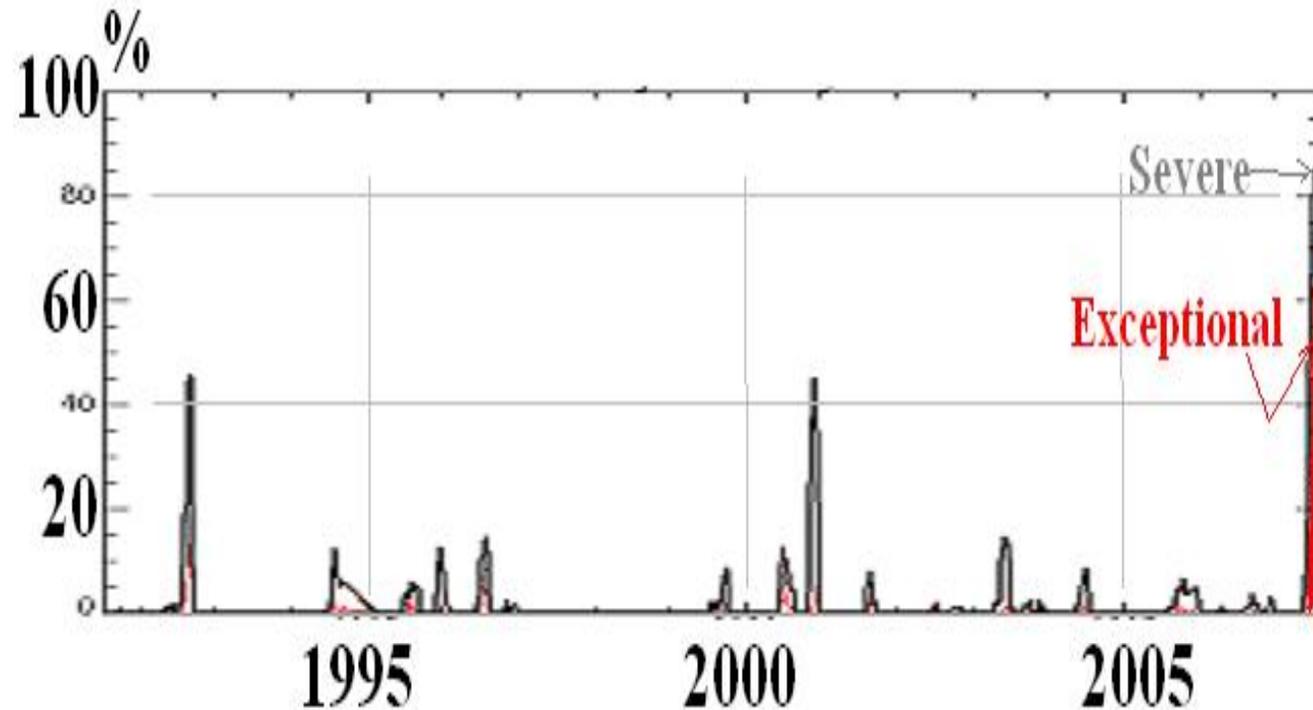
# Vegetation Health (VH) 2007



(1) Vegetation stress (VS) around Black Sea area (2) Moldova: (a) VH in April-May was near normal (b) Deterioration started at the end of May (c) VS intensified and expanded (d) June-August, the most unusual VS (VH<6) (e) Both winter and spring/summer crops are severely affected



# Percent Drought Area



Percent MOLDOVA under drought

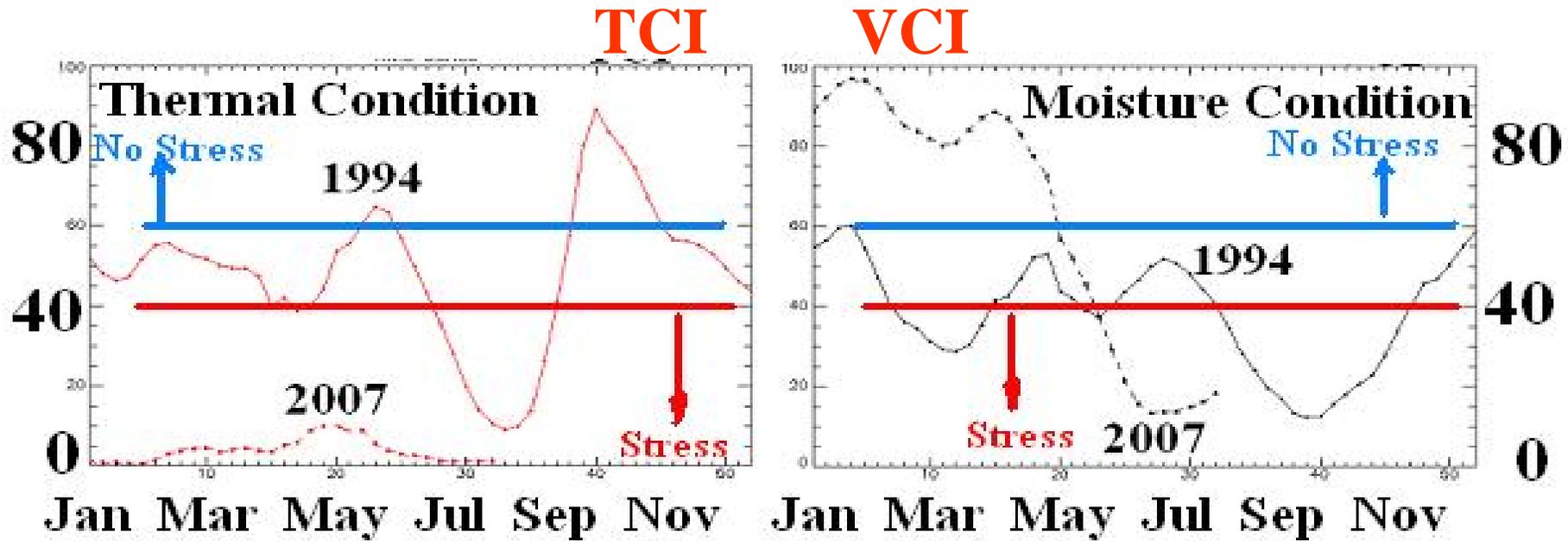
From AVHRR data on NOAA-14, 16 & 18 satellites

In 2007

- On 30% of the entire Ukraine area, crops are affected by extreme (once per every 10-20 years) and exceptional (once every 30-50 years) drought
- In ODESSA, (one of the major grain region) these droughts cover 70-90 % area



# Moisture & Thermal Conditions MOLDOVA



## Mean Vegetation Condition, MOLDOVA 2007

2007

Both Thermal & Moisture conditions contributed to severe vegetation stress: (a) Intensive thermal stress (TCI<10) all year over entire Moldova (b) In May, moisture stress was added (VCI<40)



# Vegetation Health (VH)

## MOLDOVA



**In 2007**

Average for MOLDOVA  
Vegetation is under extreme  
environmental stress

**NO ANALOGUE** of such  
extreme conditions was  
found since 1981

The 1994 conditions slightly  
similar **BUT**

The 2007 vegetation stress  
started earlier (MAY), was  
more intensive during corn  
critical period (<20) and are  
continuing longer (3-4  
months)

Corn yield will be severely  
affected (reduction might be  
40-60%)

