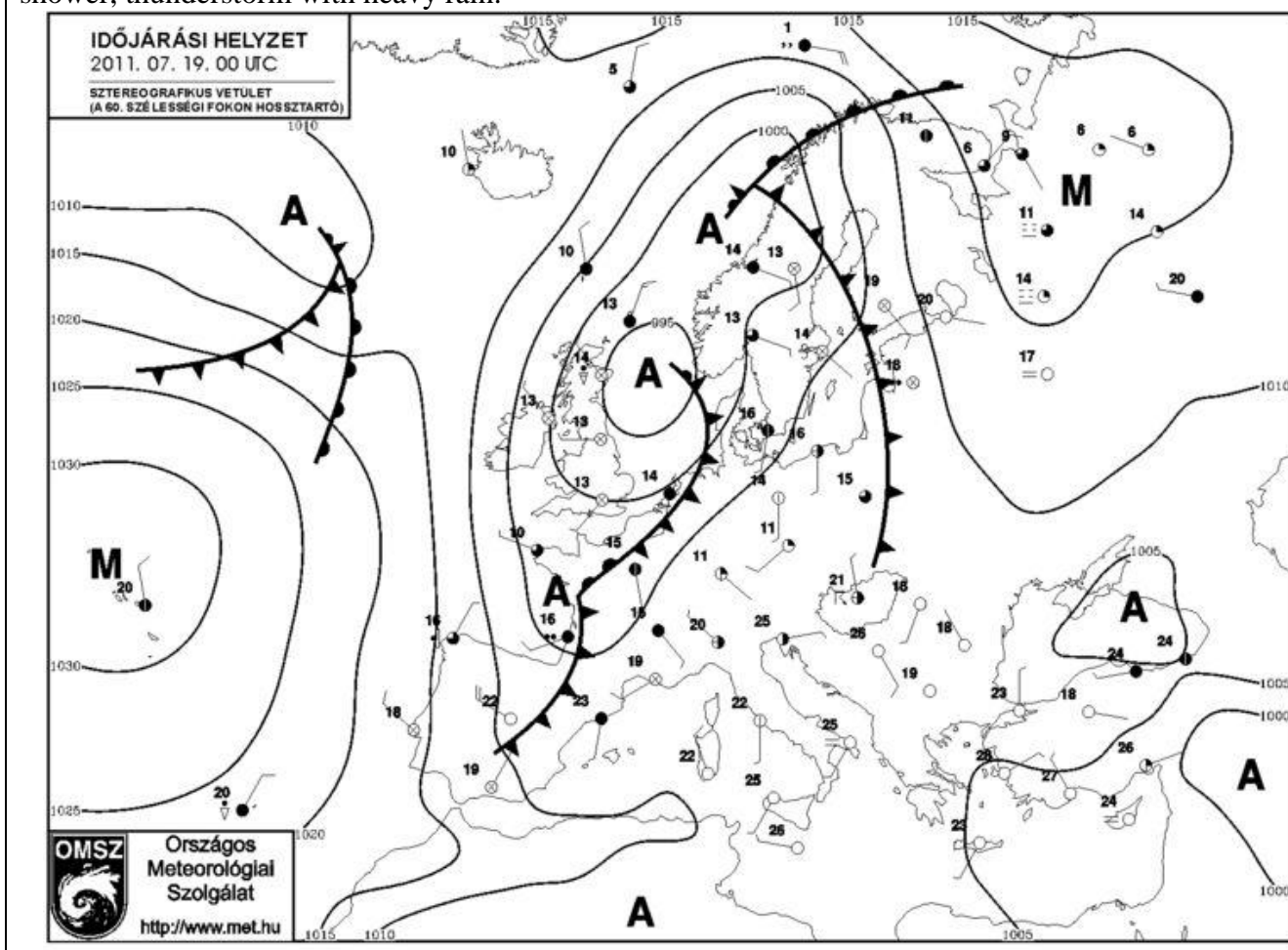


PRODUCT NAME: PR-OBS-3		
CASE STUDY PERIOD: 19 July 2011	METEOROLOGICAL EVENT: heavy rain caused by lability air mass over Central Europe	
VALIDATION INSTITUTE: OMSZ- Hungarian Meteorological Service	Responsible: Judit Kerényi	Contact point: kerenyi.j@met.hu
PRODUCT DEVELOPER INSTITUTE: CNR- ISAC	Developers: Mugnai A. , Sanò P.	Contact point: a.mugnai@isac.cnr.it
OPERATIONAL CHAIN INSTITUTE: CNMCA	Responsables: Zauli F, Melfi D.	Contact point: zauli@meteoam.it

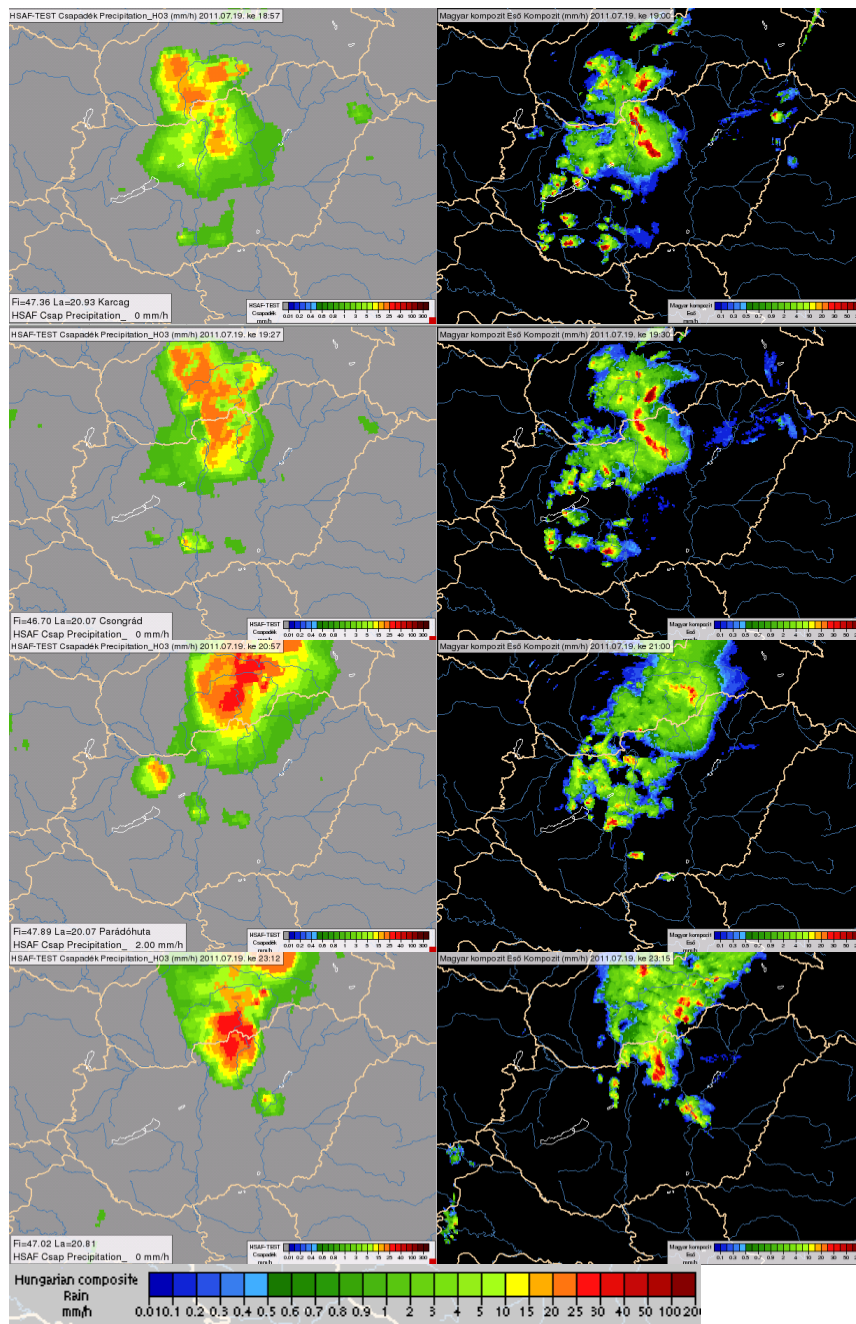
METEOROLOGICAL EVENT DESCRIPTION

Varying moisture content, warm, lability air mass is located over Central Europe causing often rain shower, thunderstorm with heavy rain.



DATA/PRODUCTS USED

precipitation rate information from the Hungarian radar network (right panel)
precipitation rate information from the H03 product (left panel)



RESULTS OF COMPARISON

At the north part of Hungary several thunderstorms caused heavy precipitation. The H03 product gives back well the position of the clouds, but unfortunately the highest intensity spots are overestimated. H03 gives very high precipitation intensity for large area.

COMMENTS

The H03 product gives back very well the middle intensity clouds, the highest intensity spots in most cases are underestimated, but sometimes – as you can see at this example- they are overestimated.

INDICATION TO DEVELOPERS

It seems that further studies are needed at H03 to derive the intensity values at heavy precipitation clouds.