

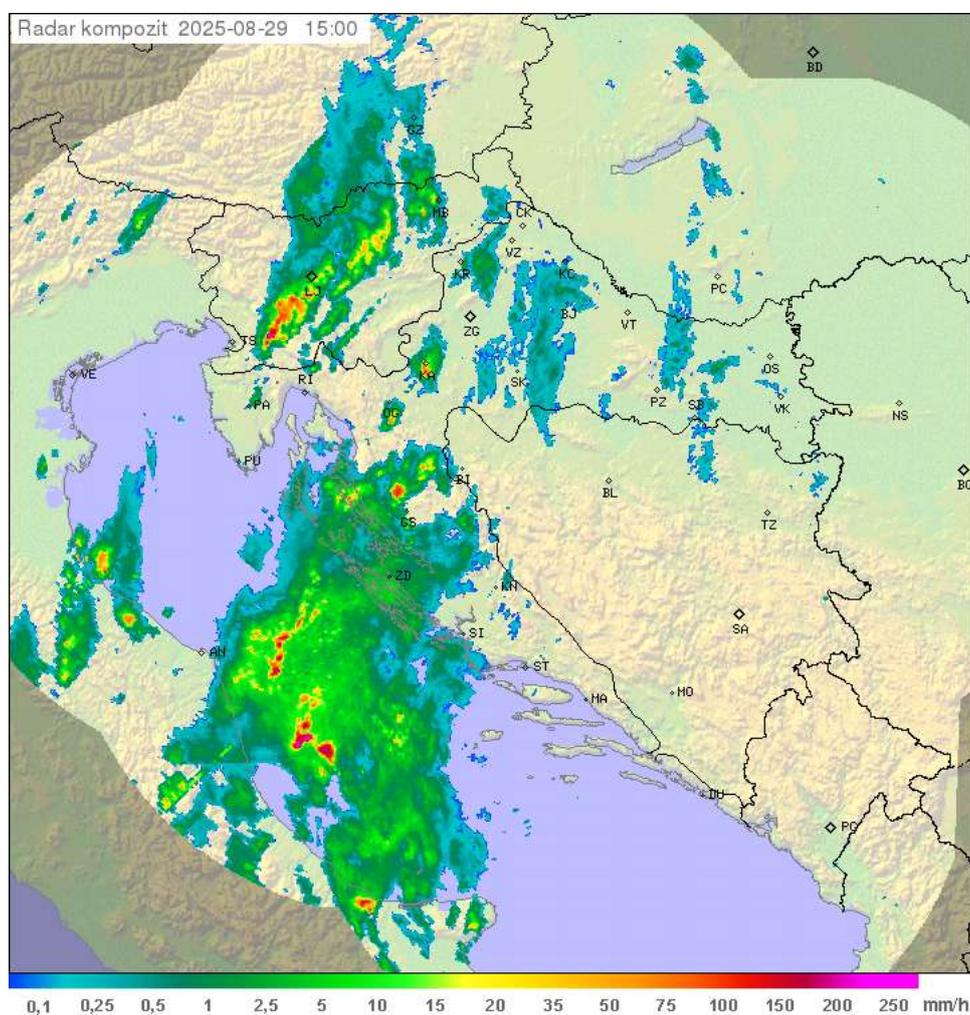
Weather forecast for Prelog area for 2025-08-29 afternoon
Issued at 15:15 LT 2025-08-29
Nebojša Subanović, meteorologist, www.meteo-info.hr

General situation

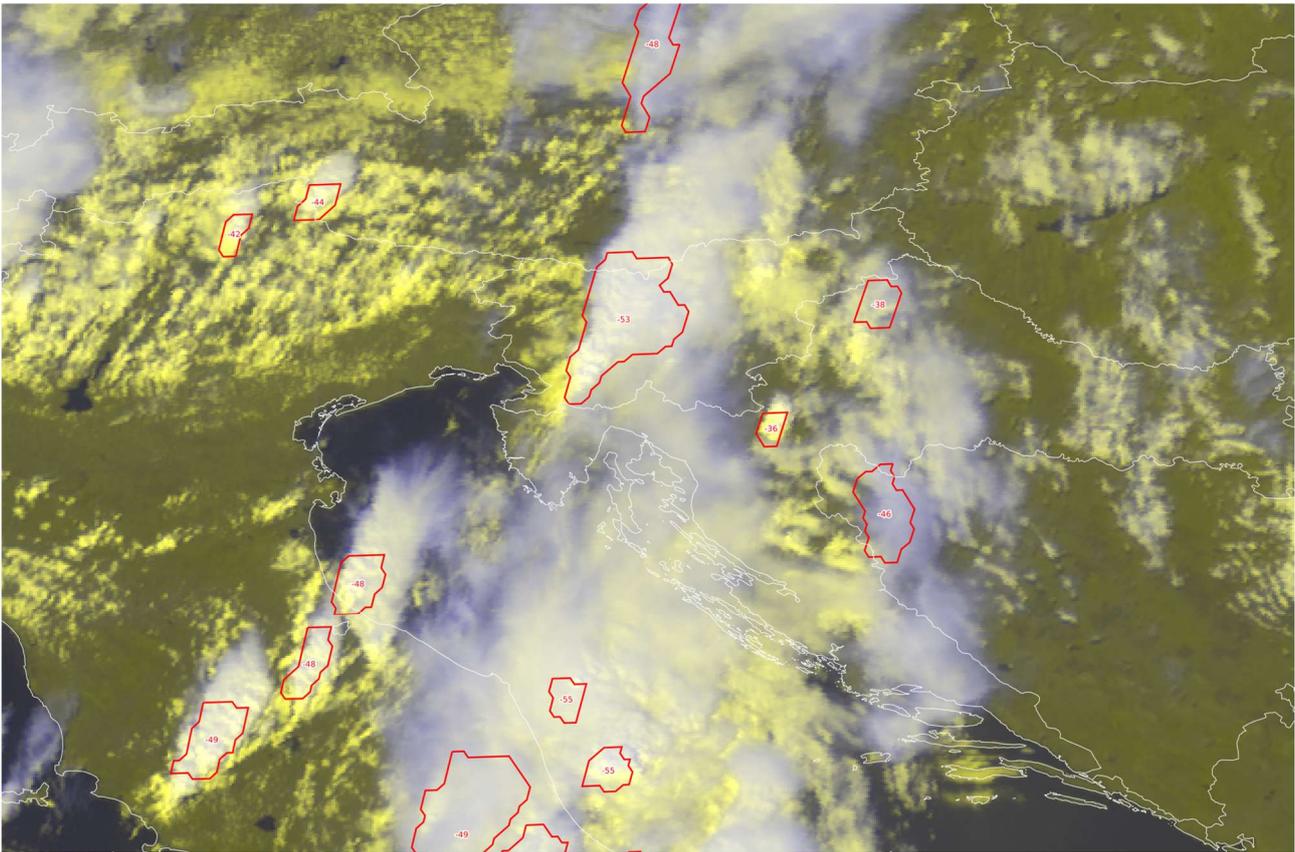
NW Croatia is located on the southeast edge of the wide cyclone over W Europe. A atmospheric front is approaching from the west and will affect the Prelog area in the late afternoon or evening, bringing rain and very likely thunderstorms.

Measured 10 m wind at meteo station Varaždin (source DHMZ)

| | | | |
|----------------|-----|-----|-----|
| Time LT | 13 | 14 | 15 |
| Speed [m/s] | 4,7 | 4,7 | 3,9 |
| Direction (To) | N | NE | N |



Radar precipitation image, today 15:00 LT. Source DHMZ.



 EUMETSAT

2025-08-29 12:40:00 UTC

Eumetsat satellite image with rapidly development thunderstorms marked.

Forecast for the Prelog area for Friday, 29.08.2025. afternoon.

Variable cloudy, in the late afternoon possible thunderstorms.
Ground wind NE/ENE 4 – 6 m/s.

WARNING:

Late afternoon and evening possible rain and/or thunderstorm.

CAUTION! Wind direction is "TO"!!!

Wind speed is in [m/s]

| LT*/hPa | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 10 m AGL | 6 20° | 4 55° | 4 75° | 4 52° | 6 66° | 6 43° | 3 51° |
| 80 m AGL | 7 21° | 8 55° | 6 75° | 8 46° | 8 64° | 7 41° | 6 56° |
| 1000 | 6 25° | 6 45° | 4 78° | 5 51° | 7 65° | 6 46° | 4 52° |
| 975 | 7 25° | 6 44° | 6 78° | 8 45° | 10 61° | 8 42° | 6 59° |
| 950 | 7 25° | 12 43° | 10 62° | 12 40° | 13 53° | 12 43° | 9 56° |
| 925 | 8 25° | 11 37° | 13 51° | 14 37° | 14 53° | 14 46° | 11 55° |
| 900 | 8 24° | 10 31° | 15 44° | 15 35° | 15 51° | 14 46° | 12 54° |

| | | | | | | | |
|------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| 875 | 8 24° | 9 24° | 12 38° | 14 32° | 14 43° | 14 43° | 13 53° |
| 850 | 8 23° | 8 16° | 15 30° | 17 26° | 14 32° | 15 36° | 14 50° |
| 825 | 8 22° | 8 10° | 15 20° | 16 18° | 15 21° | 16 27° | 15 46° |
| 800 | 10 22° | 9 6° | 14 9° | 17 11° | 17 14° | 18 18° | 15 41° |

Isobaric Surface ASL Heights

The altitudes of the isobaric [hPa] surfaces are expressed in **meters**. The pressures refer to unreduced values to sea level. LT = Local Time

date: 29. 8. 2025.

| LT/hPa | 15 | 16 | 17 | 18 | 19 |
|---------------|-----------|-----------|-----------|-----------|-----------|
| 1000 | 24 | 36 | 41 | 36 | 44 |
| 975 | 259 | 267 | 269 | 265 | 271 |
| 950 | 492 | 496 | 497 | 494 | 498 |
| 925 | 726 | 728 | 728 | 726 | 728 |
| 900 | 966 | 965 | 965 | 962 | 963 |
| 875 | 1210 | 1208 | 1207 | 1204 | 1203 |
| 850 | 1459 | 1456 | 1455 | 1452 | 1449 |
| 825 | 1714 | 1710 | 1709 | 1705 | 1702 |
| 800 | 1975 | 1970 | 1969 | 1965 | 1961 |

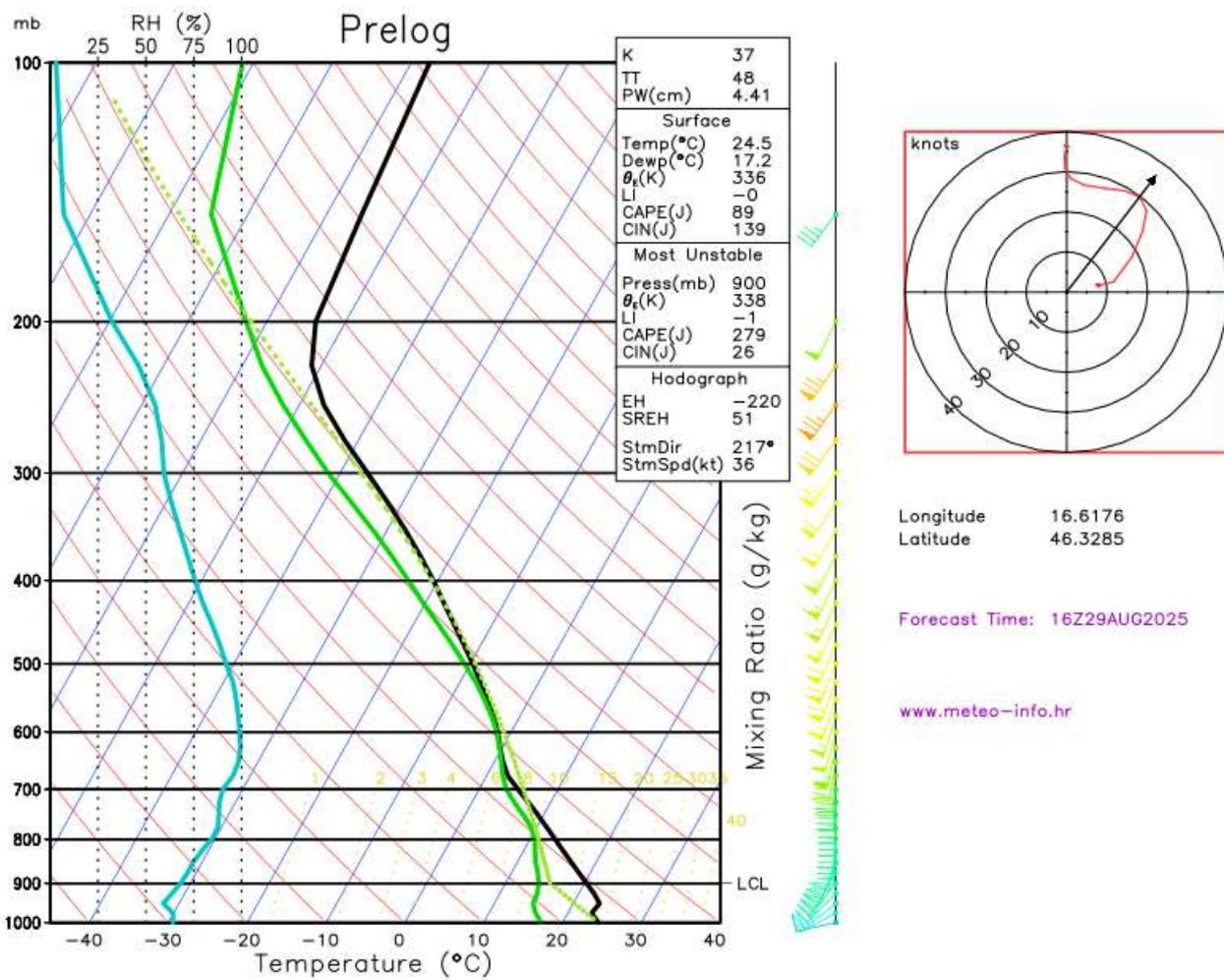


Figure 1: Skew diagram for 16 UTC (18 LT)

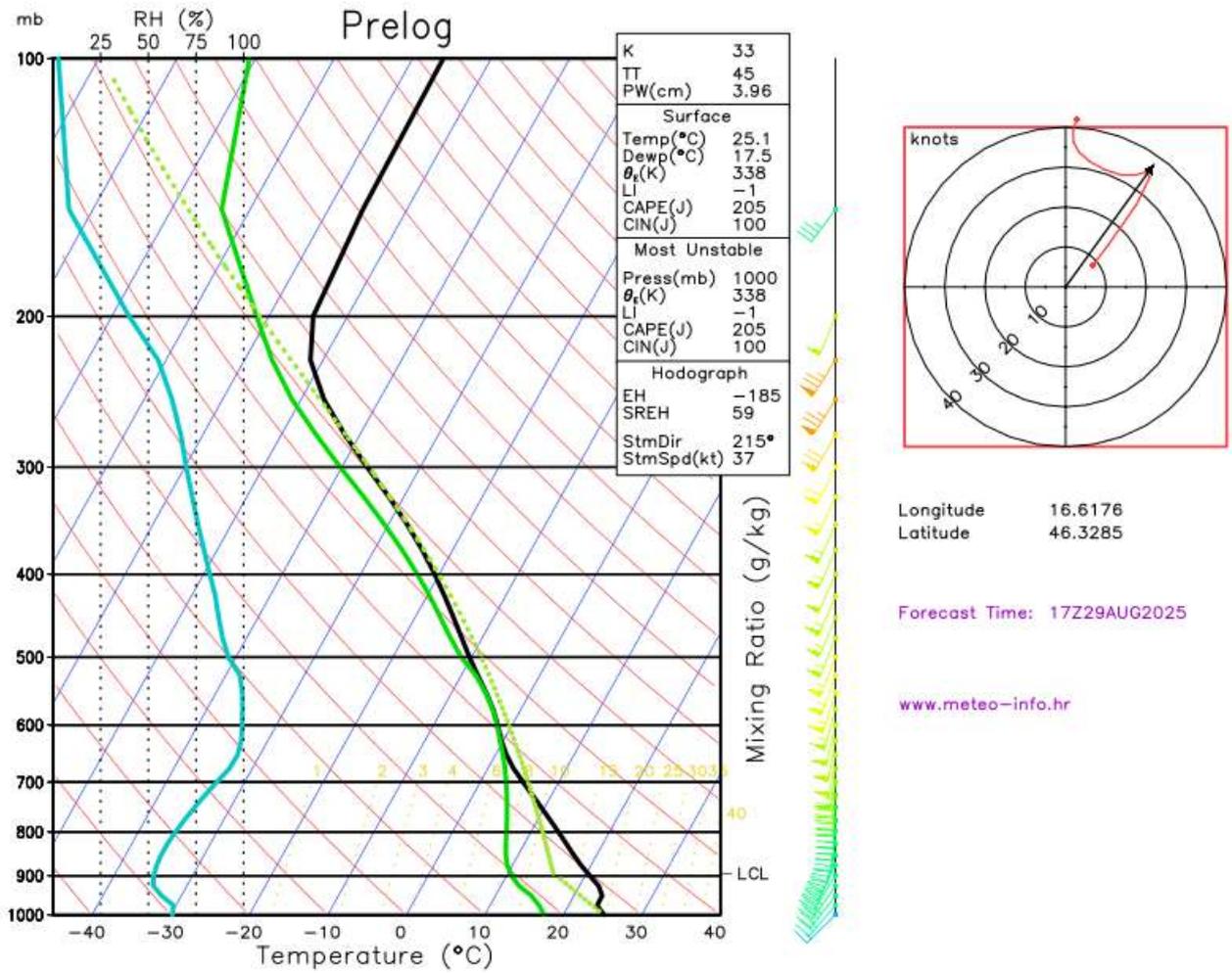


Figure 2: Skew diagram for 17 UTC (719LT)

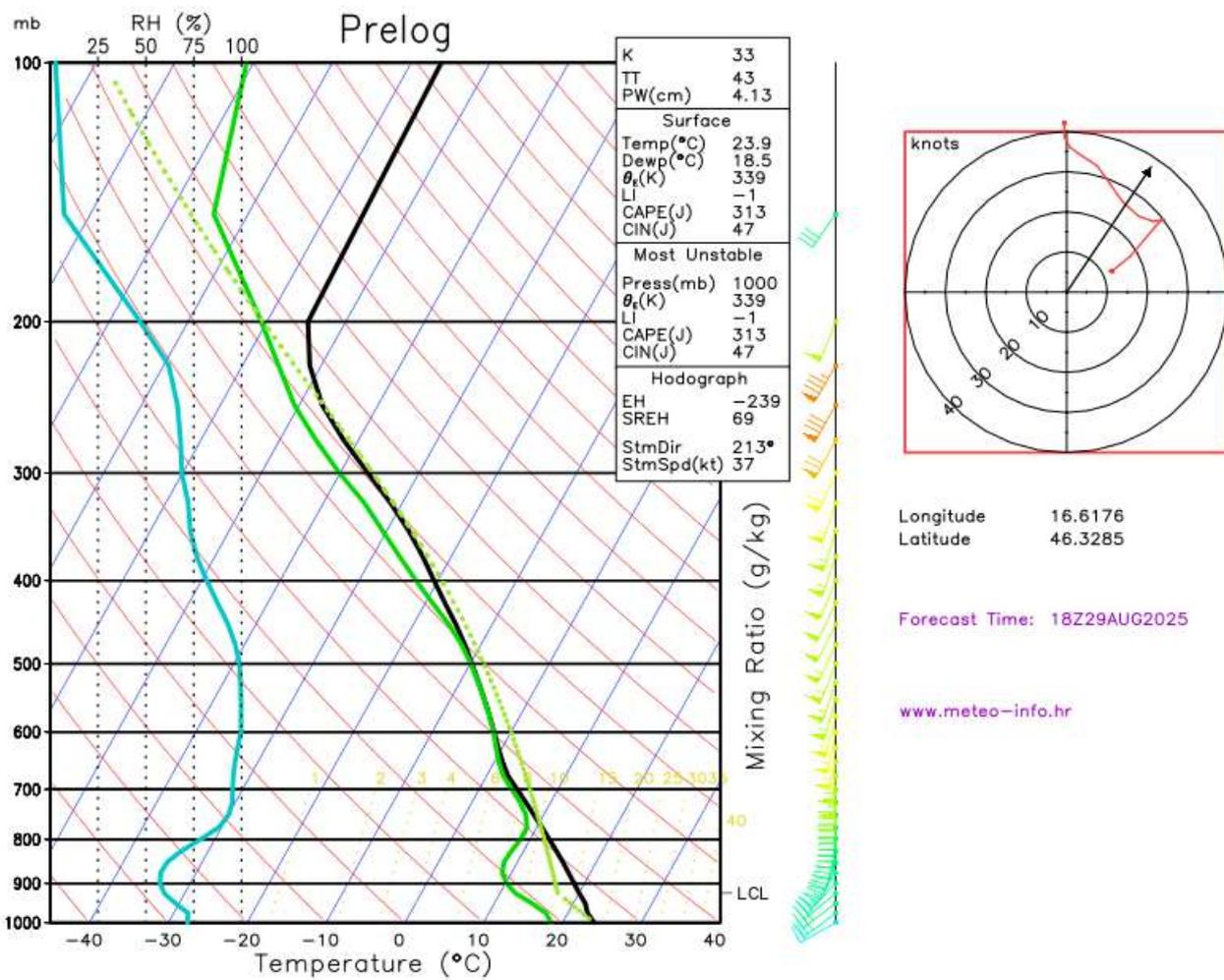


Figure 3: Skew diagram for 18 UTC (20 LT)

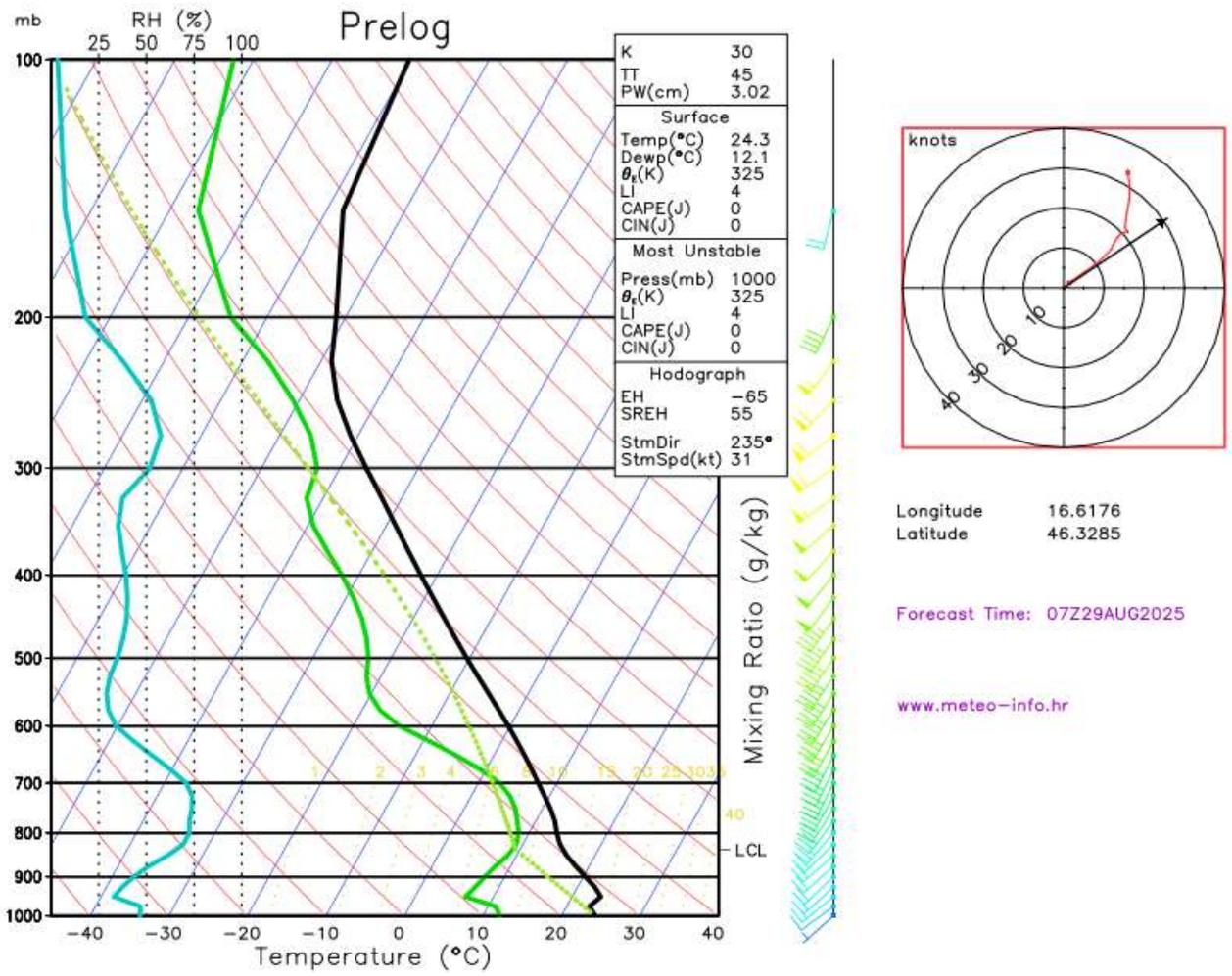


Figure 4: Skew diagram for 7 UTC (9 LT)

