

Weather forecast for Prelog area for 2025-08-29 morning  
 Issued at 4:30 LT 2025-08-29  
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General situation

NW Croatia is located on the border of a large anticyclone over E Europe and a cyclone over the W part of the continent. A cold atmospheric front is approaching from the west and will affect the Prelog area in the middle of the day or early afternoon, bringing rain and very likely thunderstorms. It is expected to leave these areas by midday on Saturday. Light rain in the night should stop till 5 – 5:30.

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

In the morning and forenoon, moderately cloudy (3-5/) with a gradual increase. Thunderstorms are expected in the middle of the day and in the early afternoon. Till 10 hrs LT, bellow 200 m AGL light wind (1-3 m/s), variable directions. At 200 - 500 m AGL, moderate wind easterly, 4 – 6 m/s. At 500 – 700 m AGL 6 - 10 m/s. **Above 1000 m AGL strong winds > 10 m/s.**

WARNING:

All balloons should be on the ground till 10 LT!

CAUTION! Wind direction is "TO"!!!

**Wind speed is in [m/s]**

LT*/hPa	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
<b>10 m AGL</b>	2	2	1	2	1	1	3	5	4	4	5	6	6	13	4	4	6	6	3
	32°	54°	10°	311°	322°	58°	49°	39°	37°	31°	34°	37°	20°	55°	75°	52°	66°	43°	51°
<b>80 m AGL</b>	2	3	2	2	1	1	4	6	5	6	7	7	7	18	6	8	10	9	6
	23°	46°	13°	327°	332°	54°	48°	39°	37°	32°	34°	38°	21°	55°	75°	46°	64°	41°	56°
<b>1000</b>	2	2	2	2	1	1	3	4	5	5	6	6	6	10	4	5	7	6	4
	18°	26°	359°	329°	349°	47°	48°	39°	38°	35°	37°	38°	25°	45°	78°	51°	65°	46°	52°
<b>975</b>	3	3	2	2	2	1	3	5	6	6	7	7	7	12	6	8	10	8	6
	15°	25°	17°	357°	15°	48°	48°	39°	38°	35°	37°	38°	25°	44°	78°	45°	61°	42°	59°
<b>950</b>	5	4	4	4	5	6	4	5	6	6	7	8	7	12	10	14	15	12	9
	26°	21°	19°	23°	39°	54°	47°	39°	38°	36°	38°	38°	25°	43°	62°	40°	53°	43°	56°
<b>925</b>	8	7	7	7	8	8	7	6	6	6	7	8	8	11	13	18	16	14	11
	27°	19°	23°	32°	41°	51°	47°	39°	38°	36°	38°	38°	25°	37°	51°	37°	53°	46°	55°
<b>900</b>	10	9	10	10	9	9	9	7	6	6	7	8	8	10	15	19	15	14	12
	30°	29°	31°	35°	40°	47°	45°	41°	40°	37°	38°	38°	24°	31°	44°	35°	51°	46°	54°
<b>875</b>	13	13	12	11	11	10	10	8	7	7	8	8	8	9	16	17	14	14	13
	32°	32°	33°	35°	41°	46°	47°	47°	44°	38°	39°	38°	24°	24°	38°	32°	43°	43°	53°
<b>850</b>	16	16	14	13	12	11	10	8	8	8	8	9	8	8	15	17	14	15	14
	33°	33°	34°	37°	43°	48°	50°	48°	44°	41°	40°	37°	23°	16°	30°	26°	32°	36°	50°
<b>825</b>	17	17	16	14	13	11	9	9	9	10	10	9	8	8	15	16	15	16	15
	32°	33°	36°	39°	44°	49°	51°	45°	41°	40°	41°	37°	22°	10°	20°	18°	21°	27°	46°
<b>800</b>	17	17	16	15	14	11	10	10	10	11	11	11	10	9	14	17	17	18	15
	29°	31°	36°	38°	41°	45°	46°	42°	39°	39°	39°	35°	22°	6°	9°	11°	14°	18°	41°

## Isobaric Surface Heights

The altitudes of the isobaric [hPa] surfaces are expressed in **meters**. The pressures refer to unreduced values to sea level. The lowest isobaric surface is the one whose altitude is higher than the altitude of Prelog. AGL altitue is surface layer altitude minus Prelog altitude.

LT = Local Time

date: 29. 8. 2025.

LT/hPa	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1000	44	44	48	52	54	55	55	54	49	43	38	32	24	36	41	36	44
975	271	271	274	277	279	281	283	282	279	274	271	266	259	267	269	265	271
950	500	499	501	504	506	508	510	511	509	505	502	499	492	496	497	494	498
925	732	731	733	736	737	739	741	742	741	737	736	733	726	728	728	726	728
900	969	968	970	973	974	975	977	979	978	975	974	972	966	965	965	962	963
875	1213	1211	1213	1215	1216	1217	1218	1220	1220	1218	1218	1216	1210	1208	1207	1204	1203
850	1462	1460	1461	1463	1463	1464	1465	1467	1468	1466	1466	1465	1459	1456	1455	1452	1449
825	1717	1714	1715	1716	1717	1717	1719	1722	1722	1721	1721	1720	1714	1710	1709	1705	1702
800	1979	1976	1976	1977	1977	1977	1979	1982	1983	1982	1982	1980	1975	1970	1969	1965	1961

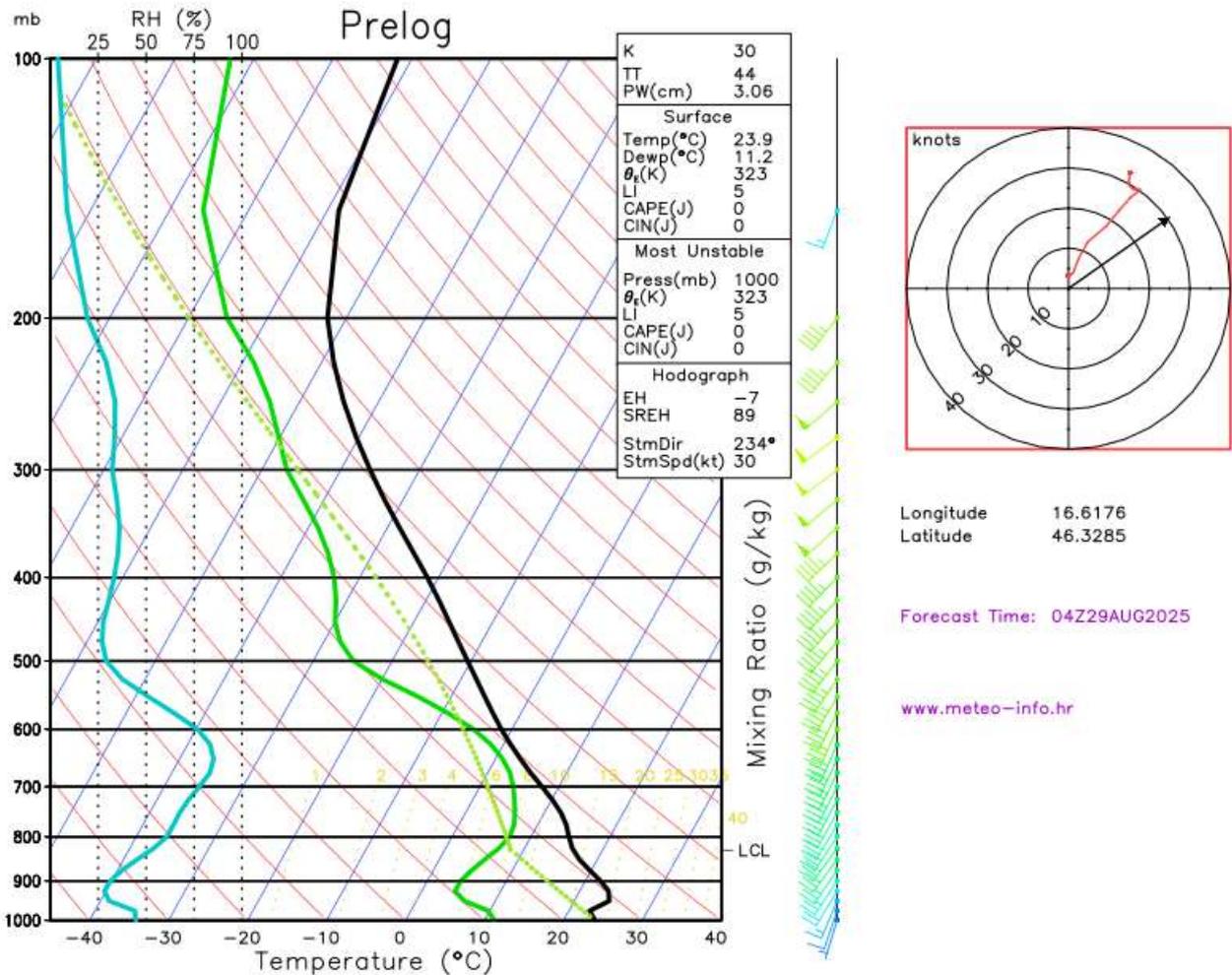


Figure 1: Skew diagram for 4 UTC (6 LT)

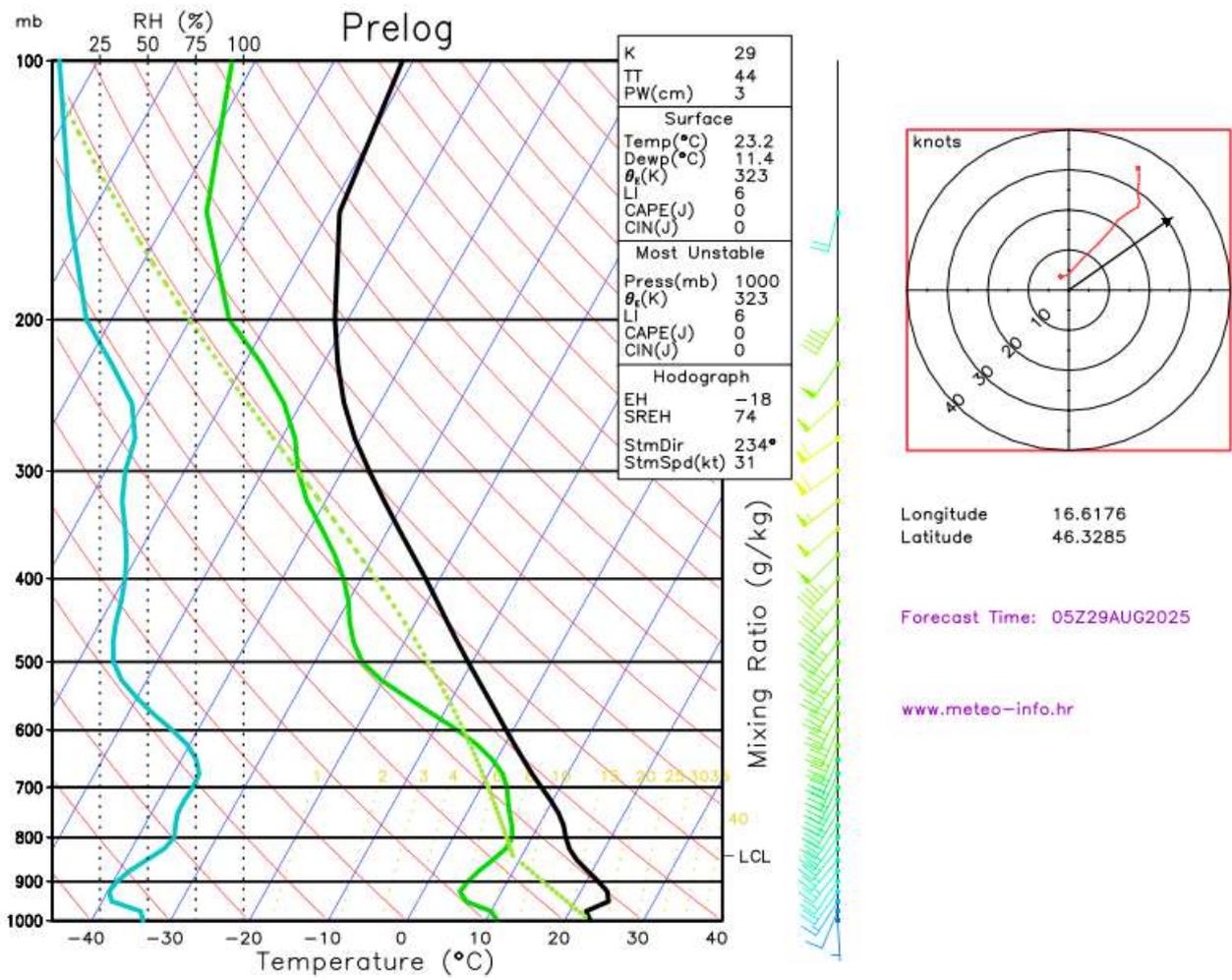


Figure 2: Skew diagram for 5 UTC (7 LT)

Figure 2: Skew diagram for 5 UTC (7 LT)



Figure 3: Skew diagram for 6 UTC (8 LT)

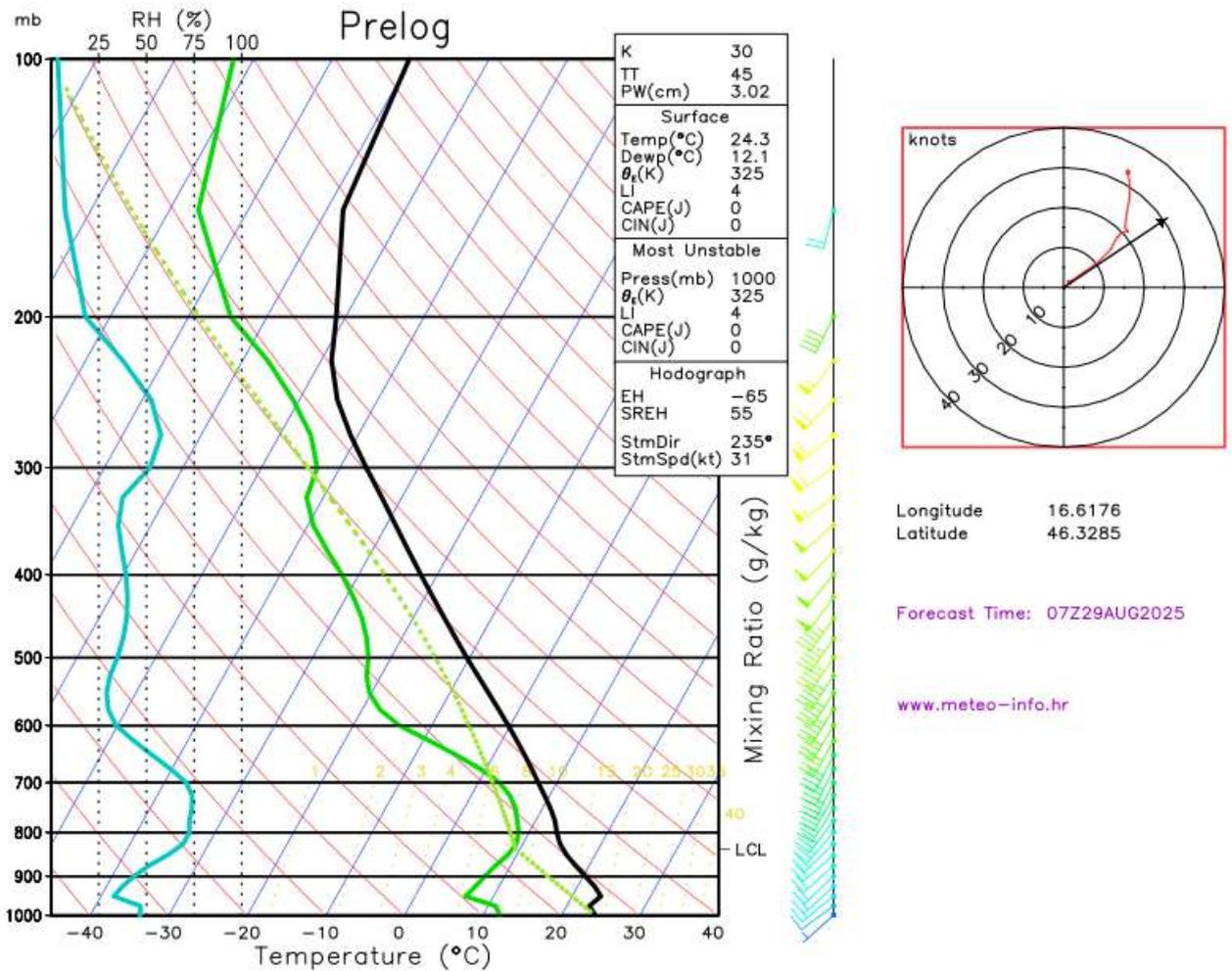


Figure 4: Skew diagram for 7 UTC (9 LT)

