



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT, CLIMATE AND ENERGY
SLOVENIAN ENVIRONMENT AGENCY

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Instructions for reading SIGWX charts

Significant weather chart (SIGWX) contains information intended primarily for planning low level flights (up to 20000 feet). Significant weather chart shows conditions over a period of 6 h.

Example of significant weather chart and its explanation:

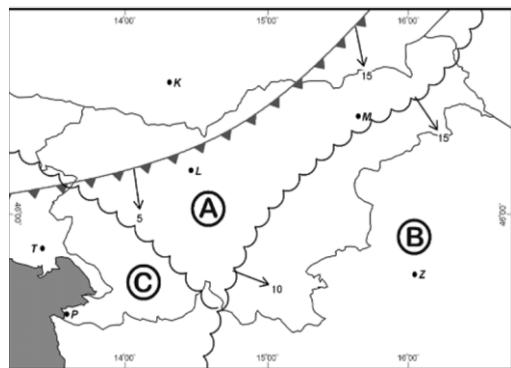
PERIOD COVERED BY THE FORECAST

SIGWX BELOW 20000 FT ISSUED BY AMS LJLA AT 25.10.2011 13:00 UTC FIXED TIME PROGNOSTIC CHART
SWL VALID from 2512 to 2518 FRONTS/AREAS VALID at 2512

SWL VALID from 2512 to 2518: SWL valid from 1200 UTC to 1800 UTC on the 25th day of the month.

FRONTS/AREAS VALID at 2512: graphical part of chart describes expected weather conditions at 1200 UTC on the 25th day of the month.

GRAPHICAL PART



(A) area on the chart

10 arrow indicates direction and speed (in knots) of weather system movement.

cold front

TEXT PART

AREA
A,C

indication of marked areas.

TIME
12/18

time window between 1200 UTC and 1800 UTC.

020/XXX expected base and top of the cloud in units of 100 feet (020 indicates cloud base at 2000 feet above mean sea level - AMSL). XXX indicates the layer of atmosphere outside validity of the chart.

AREA	TIME	VIS	WEATHER	CLOUDS	TURB	ICING	O°C
A,C	12/18	6KM	RA	BKN/OVC SC,CU,NS,AS 020/XXX 	/	 050/XXX	050
ISOL	12/18	3000M	TSRA	EMBD CB 030/XXX			
LCA	15/18	10KM	/	BKN SC,CU,AS LYR 040/160	 SFC/060	/	030

The content of the text part:

AREA A, C; areas A and C on the chart,

TIME 12/18; between 12 UTC and 18 UTC,

VIS 6KM; expected prevailing visibility 6 km,

WEATHER RA; expected weather phenomenon – rain,

CLOUDS BKN/OVC SC,CU,NS,AS 020/XXX; 5/8 to 8/8 cloud types SC, NS, AS with base at 2000 feet above mean sea level and tops above the layer to which the chart applies. Mountain obscuration is expected,

TURB /; moderate or severe turbulence is not expected,

ICING  050/XXX; moderate icing is expected between 5000 feet mean sea level and above the layer to which the chart applies,

0°C; the altitude of 0°C isotherm is 5000 feet,

AREA ISOL; isolated,

TIME 12/18; between 12 UTC and 18 UTC,

VIS 3000M; expected prevailing visibility 3000m,

WEATHER TSRA; thunderstorm,

CLOUDS EMBD CB 030/XXX; embedded Cumulonimbus with base at 3000 feet mean sea level and top above the layer to which the chart applies,

AREA LCA; locally,

TIME 15/18; between 15 UTC and 18 UTC,

VIS 10KM; expected prevailing visibility 10km,

WEATHER /; nil significant weather

CLOUDS BKN SC,CU,AS LYR 040/160; 5/8 to 7/8 cloud types SC, CU, AS in layers (LYR) with lowest base at 4000 feet mean sea level and top at 16000 feet mean sea level,

TURB  SFC/060; moderate turbulence is expected between surface and 6000 feet above mean sea level,

ICING /; moderate or severe icing is not expected,

0°C; altitude of 0°C isotherm is at 3000 feet above mean sea level,

SYMBOLS AND ABBREVIATIONS

CLOUDS

SC – stratocumulus
ST – stratus
CU – cumulus
CB – cumulonimbus
TCU – towering cumulus
NS – nimbostratus
AS – altostratus
AC – altocumulus
CI – cirrus
CS – cirrostratus
CC - cirrocumulus

CONVECTIVE COVERAGE

ISOL – isolated
OCNL – occasional
FRQ- frequent
SQL – squall line

WEATHER

FG – fog
BR- mist
FZ – freezing
RA – rain
SN – snow
SH – shower
TS - thunderstorm
BC – patches
GR – hail
GS – small hail or snow pellets
HZ – haze

SYMBOLS AND ABBREVIATIONS

EMBD – embedded
LYR – layer
LCA – locally
NIL – nil significant weather
FEW – few (1/8 to 2/8 cloud)
SCT – scattered (3/8 to 4/8 cloud)
BKN – broken (5/8 to 7/8 cloud)
OVC – overcast (8/8 cloud)

 - moderate turbulence

 - severe turbulence

 - moderate icing

 - mountain obscuration (75% or more of area covered by cloud)



- widespread strong surface wind (number indicates expected maximum wind gusts)