**METAR/TAF**

**METARS - Examples**

**KMIA 220853Z 13003KT 10SM FEW030 SCT060 23/16 A3010 RMK AO2 SLP194**

**KDSM 220854Z 33007KT 10SM BKN021 OVC027 M04/M07 A3032 RMK AO2 SLP278**

**KMSP 220853Z 36013KT 9SM -SN FEW018 BKN030 OVC042 M03/M07 A3035 RMK AO2 SLP288**

**KPHX 220851Z 27004KT 10SM BKN150 BKN250 17/M06 A2997 RMK AO2 SLP137**

**PHNL 220853Z 01010KT 10SM FEW028 23/16 A3005**

**KLGA 220851Z 18005KT 4SM BR CLR 12/09 A2979**

**KTLH 220853Z 16004KT 3SM RA BR SCT002 BKN025 OVC120 18/17 A3005 RMK AO2 RAB36 RAE51**

**KPNS 220853Z AUTO 00000KT 10SM SCT030 19/18 A2999**

CYYZ 061900Z 16005KT 130V210 15SM FEW250 12/03 A3039 RMK CI1 SLP296

CYVR 061700Z 10010KT 10SM FEW009 SCT018 BKN056 BKN070 10/09 A2997 RMK SF1SC2SC3AC1 SLP149

CYUL 061800Z 33010KT 15SM BKN040 08/M03 A3034 RMK CU6 SLP276

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CYUL 061700Z 35010KT 310V010 30SM SCT035 08/M02 A3033 RMK CU3 SLP274

TAFs - Examples

TAF CYYZ 061738Z 0618/0724 VRB03KT P6SM FEW250
FM061900 14007KT P6SM SKC
BECMG 0701/0703 VRB03KT
FM071500 19010KT P6SM SKC
RMK NXT FCST BY 062100Z=

TAF CYVR 061738Z 0618/0724 10010KT P6SM SCT020 BKN040 TEMPO 0618/0702
P6SM -SHRA BKN020 OVC040
FM070200 08010KT P6SM SCT040 BKN080
FM070800 10010KT P6SM -RA SCT020 OVC040
FM071800 11008KT P6SM BKN050
RMK NXT FCST BY 062100Z=

TAF CYUL 061738Z 0618/0718 36010KT P6SM FEW030
FM070100 VRB03KT P6SM SKC
BECMG 0716/0718 22010KT
RMK NXT FCST BY 062100Z=

TAF CYWG 061739Z 0618/0718 18018G28KT P6SM FEW250
FM070000 19015KT P6SM SCT160 BKN250
BECMG 0710/0712 28015KT
FM071600 31022G32KT P6SM SCT015 OVC040
RMK NXT FCST BY 070000Z=

METAR AND TAF ANSWER SHEET

**METAR CYHZ 111700Z 28009G16KT 15SM FEW250 00/M11 A2990 RMK CS0 SLP134=**

METAR – is the type of weather report

CYHZ – is the location of the airport (C stands for Canada)

111700Z – date and time

 **11**1700Z – 11th day of the month

 11**1700Z –** 1700h zulu time

28009G16KT – is indicating the wind speed and direction

 **280**09G16KT – 280 degrees true (wind direction)

 280**09G16KT –** 09 knots gusting up to 16 gusting knots (wind speed)

15SM – indicates the level of visibility in statue miles

 “15 statue miles of visibility”

FEW250 – indicates the amount of clouds covering the sky and their height

 **FEW**250 – amount of cloud covering the sky (measured in oktas): 1-2 oktas (can also be SCT, BKN, OVC)

FEW**250** – height of the cloud (add two zeros to the end of the number) – 25000 feet AGL

00/M11 – indicates temperature/dew

 **00**/M11 – 00 degrees Celsius

00/**M11** – “M” stands for minus, so -11 degrees Celsius

A2990 – indicates the altimeter setting

 **A**2990 – “Altimeter”

A**2990** – put a decimal between the two numbers: 29.90 inches per mercury

RMK – “Remark”

CS0 – indicates the type of cloud (can be SC, AC, etc. Memorize all the abbreviations

 **CS**0 – cirrostratus

CS**0** – number represents oktas – 0 oktas – clear sky

SLP134= - indicates sea level pressure in hectopascals

 **SLP**134= - “Sea Level Pressure”

SLP**134=** - the first number is lower than 1, so we must add 10 to the number – 10134. Now we must add a decimal to the last number – 1013.4 hectopascals.

**TAF CYHZ 201738Z 2018/2118 25008KT P6SM OVC015**

**TEMPO 2018/2020 OVC025**

**FM202000 24010KT P6SM OVC025 TEMPO 2020/2022 OVC020**

**FM202200 23012KT P7SM BKN030**

**RMK NXT FCST BY 202100Z=**

TAF – is the type of weather report

CYHZ – is the location of the airport (C stands for Canada)

201738Z – date and time

 **20**1738Z – 20th day of the month

 20**1738Z –** 1738h zulu time

2018/2118 – is indicating the validity timing of the weather report

 **20**18/2118 – 20th day of the month

 20**18**/2118 – indicates the time – add two zeroes to the end – 1800h zulu time

 2018/**21**18 – 21st day of the month

 2018/21**18** – indicates the time – add two zeroes to the end – 1800h zulu time

 280**09G16KT –** 09 knots gusting up to 16 gusting knots (wind speed)

25008KT – indicates the wind speed and direction

 **250**08KT – 250 degrees true (wind direction)

 250**08KT** – 08 knots (wind speed)

P6SM – indicates the level of visibility in statue miles

 **P**6SM – Plus

P**6SM -** “6 statue miles of visibility”

OVC015 – indicates the amount of clouds covering the sky and their height

 **OVC**015 – amount of cloud covering the sky (measured in oktas): 8 oktas

OVC**015** – height of the cloud (add two zeros to the end of the number) – 1500 feet AGL

TEMPO – weather has *temporarily* changed (study the other abbreviations – FM, BECMG, PROB)

­2018/2020 – temporary change of weather lasts from specific dates and times

 **20**18/2020 – 20th day of the month

 20**18**/2020 – 1800h zulu time

 2018/**20**20 – 20th day of the month

 2018/20**20** – 2000h zulu time

OVC025 – Overcast and 2500 feet AGL

FM202000 – From 20th day at 2000h zulu time.

24010KT – 240 degrees true at 10 knots

P6SM – Plus six statue miles of visibility

OVC025 – Overcast at 2500 feet

TEMPO - Temporarily

2020/2022 – temporary change of weather lasts form 20th day of the month at 2000h to the 20th day of the month at 2200h

OVC020 – clouds overcast at 2000 feet

FM202200 – weather change from 20th of the month at 2200h

23012KT – 230 degrees true at 12 knots

P6SM – Plus 6 statue miles of visibility

BKN030 – Clouds broken (5-7 oktas) at 3000 feet

FM210220 – weather change from 21st day of the month to 0200h

23010KT - 230 degrees true at 10 knots

P6SM - Plus six statue miles of visibility

SCT030 – Clouds scattered (3-4) at 3000 feet

RMK NXT FCST BY 202100Z– “Remark next forecast by” a specific date and time

 RMK NXT FCST BY **202100Z –** 20th day at 2100h