

TAF
KPIT 091720Z 1818 22020KT 3SM -SHRA BKN020 FM20 30015G25KT 3SM
 SHRA OVC015 PROB40 2022 1/2SM TSRA OVC008CB FM23 27008KT
 5SM -SHRA BKN020 OVC040 TEMPO 0407 00000KT 1SM -RA FG FM10 22010KT 5SM -SHRA OVC020 BECMG 1315 20010KT
 P6SM NSW SKC

METAR
KPIT 1955Z 22015G25KT 3/4SM R22L/2700FT TSRA OVC010CB 18/16 A2992

TAF **METAR**
 Message type: TAF-routine and TAF AMD-amended forecast, METAR-hourly and SPECI-special report

KPIT ICAO location indicator **KPIT**

091720Z 1955Z
 Issuance time: ALL times in UTC "Z", 2-digit date and 4-digit
 time for TAF, 4-digit time for METAR

1818 Valid period: first 2 digits begins and last 2 ends forecast

22020KT 22015G25KT
 Wind: first 3 digits mean true-north direction, nearest 10 degrees, (or VaRiAble;) next 2 digits mean
 speed and unit, KT, (KMH or MPS); as needed, Gust and 2-digit maximum speed; 00000KT
 for calm; (for reports only, if direction varies 60 degrees or more, Variability appended,
 e.g., 180V260)

3SM **3/4SM**
 Prevailing visibility: in U.S., Statute Miles & fractions; above 6
 miles in TAF Plus6SM. (Or, 4-digit minimum visibility in meters
 and as required, lowest value with direction)

R22L/2700FT
 Runway Visual Range: R; 2-digit runway designator Left, Center, or Right as needed; "/"; Minus or
Plus in U.S., 4-digit value, FeeT in U.S., (usually meters elsewhere); Variability (and tendency
Down, Up or No change)

-SHRA Significant present, forecast and recent weather: see table **TSRA**
BKN020 OVC010CB
 Cloud amount, height and type: SKy Clear, SCaTtered, BrOkEN, OVerCast; 3-digit height in hundreds
 of feet; and either Towering CUmulus or CumulonimBus. Or Vertical Visibility for obscured sky
 and height "VV004", or unknown height "VV///". More than one layer may be forecast or reported.
CLear for "clear below 12 thousand feet" at automated observation sites.

18/16
 Temperature: in degress Celsius; first 2 digits, temperature "/ last 2 digits, dew-point temperature;
 below zero reported with Minus, e.g., M06

A2992
 Altimeter setting: indicator and 4 digits; in U.S., A-inches and hundredths; (Q-hectoPascals, e.g.,
 Q1013)

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Lower
Layers,
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Takeoff,
Runway
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designator

; R E C E N T W E A T H E R

of operational significance.) ReMark: Automated Observation or AO Augmented; wind shear; recent weather and time; and TORNADO, FUNNEL CLOUD, WATERSPOUT.

digit hour: indicates significant change

FM20 From and 2-
PROB40
2022

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Table of Significant Present, Forecast and Recent Weather - Grouped in categories and used in the order listed below; or as needed in TAF, No Significant Weather.

QUALIFIER

Intensity or Proximity

- Light "no sign"

VC Vicinity: but not at
(elsewhere within

Descriptor

MI Shallow BC

BL Blowing SH

Moderate + Heavy
aerodrome; in U.S., 5-10SM from center of runway complex
8000m)

Patches DR Drifting TS Thunderstorm

Showers FZ Supercooled/freezing

PHENOMENA

WEATHER

Precipitation

DZ Drizzle RA Rain
 SN Snow
 SG Snow grains
IC Diamond dust
 PE Ice pellets
 GR Hail
 GS Small
 hail/snow pellets
UP Unknown
precipitation in
automated observations

Obscuration

BR Mist FG Fog
 FU Smoke
 VA Volcanic ash
SA Sand HZ Haze
 PY Spray
 DU Widespread
 dust

Other

SQ Squall SS
Sandstorm DS
Duststorm PO Well
developed
FC Funnel
cloud/tornado/waterspou
t
dust/sand whirls

Explanations in parentheses "()" indicate different worldwide practices. Ceiling defined as the lowest broken or overcast layer, or the vertical visibility. Automated Observations may be Augmented manually for certain weather phenomena. TAFs exclude temperature, turbulence and icing forecasts and METARs exclude trend forecasts. Although not used in U.S., Ceiling And Visibility OK replaces visibility, weather and clouds if: visibility is 10 kilometers or more; no cloud below 1500 meters (5000 feet) or below the highest minimum sector altitude, whichever is greater and no cumulonimbus; and no precipitation, thunderstorm, duststorm, sandstorm, shallow fog, or low drifting dust, sand or snow.

March 1993
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UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration—National Weather Service