![C:\Documents and Settings\johng\Local Settings\Temporary Internet Files\Content.IE5\1BVOWQWU\MC900311120[1].wmf]()Homework 15

Study Questions

Commercial AVF 221

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_ Score\_\_\_\_\_

Complete an information block for the following weather products. This homework is designed to generate a useful study sheet for testing. (Use additional paper if necessary) Include for each:

1. Valid times
2. What information the product gives
3. Decode Symbology or text (only include items that typically stump you)
4. Why it is useful (why or what you would use it for)

**Chapter 3 Observed Text Products**

 3.1 METAR

1.

2.

3.

4.

 3.2 AIREP/PIREP

1.

2.

3.

4.

 3.3 Radar Observations

1.

2.

3.

4.

 3.4 Terminal Doppler Radar

1.

2.

3.

4.

 3.5 Satellite

1.

2.

3.

4.

 3.6 Upper Air Observations

1.

2.

3.

4.

**Chapter 4 Analysis**

 4.1 Surface Analysis

1.

2.

3.

4.

 4.2 Ceiling and Visibility

1.

2.

3.

4.

 4.3 Upper-Air Analysis

1.

2.

3.

4.

**Chapter 5 Forecasts**

 5.1 SIGMET

1.

2.

3.

4.

 5.2 AIRMET

1.

2.

3.

4.

 5.3 G-AIRMET

1.

2.

3.

4.

 5.4 Center Weather Advisory

1.

2.

3.

4.

 5.5 Meteorological Impact Statement

1.

2.

3.

4.

 5.6 Additional Products for Convection

1.

2.

3.

4.

 5.7 Products for Tropical Cyclones

1.

2.

3.

4.

 5.8 Volcanic Ash Forecast

1.

2.

3.

4.

 5.9 Graphical Forecast For Aviation (GFA)

1.

2.

3.

4.

 5.10 Localized Aviation Model Output Statistics (MOS)

1.

2.

3.

4.

 5.13 TAF

1.

2.

3.

4.

 5.14 Route Forecast, ROFOR

1.

2.

3.

4.

 5.15 Wind & Temp Aloft

1.

2.

3.

4.

 5.16 Freezing Level Graphics

1.

2.

3.

4.

 5.17 Upper Air Forecasts

1.

2.

3.

4.

 5.18 Short Range Surface Prog Charts

1.

2.

3.

4.

 5.19 Significant Weather Forecast SIGWX

1.

2.

3.

4.

 5.20 World Area Forecast System

1.

2.

3.

4.

 5.21 Additional Products for Icing and Turbulence

1.

2.

3.

4.

 5.22 Additional Products for Clouds, Visibility, Wx and Surface Wind Forecasts

1.

2.

3.

4.

 5.23 Airport Weather Warning

1.

2.

3.

4.

 5.24 Space Weather

1.

2.

3.

4.

**Chapter 6 Aviation Weather Tools**

6.1 HEMS Tool

How is the HEMS tool useful?

6.2 Flight Path Tool

How is the Flight Path Tool useful?