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From: Cynthia Abelman
Chief, Aviation Services Branch


Amended to change effective date to November 13, 2013.

Effective Tuesday, November 13, 2013, at 1200 Coordinated Universal Time (UTC), the NWS will introduce FL410 (Flight level 41,000 feet) temperature, geopotential height, and wind (u and v component of wind) to the WAFS Upper Air data set.

This additional data is being implemented in accordance with the International Civil Aviation Organization (ICAO) WAFS Operations Group seventh meeting.

This change will use the following new World Meteorological Organization (WMO) Headers:

<table>
<thead>
<tr>
<th>Weather Element</th>
<th>WMO Header</th>
</tr>
</thead>
<tbody>
<tr>
<td>175 mb (FL410) Height</td>
<td>YHX*18 KWBC</td>
</tr>
<tr>
<td>175 mb (FL410) Temperature</td>
<td>YTX*18 KWBC</td>
</tr>
<tr>
<td>175 mb (FL410) U Wind</td>
<td>YUX*18 KWBC</td>
</tr>
<tr>
<td>175 mb (FL410) V Wind</td>
<td>YVX*18 KWBC</td>
</tr>
</tbody>
</table>

Where * is replaced with a letter referencing the forecast valid time from issuance:
* = C – 06-hour forecast
* = D – 09-hour forecast
* = E – 12-hour forecast
In support of the World Area Forecast System, the NWS (WAFC) Washington provides global gridded forecasts of upper wind and temperature data covering Flight Levels FL050-530, tropopause heights and temperature, maximum wind (height, speed, direction), turbulence, icing, and cumulonimbus clouds based on output from the Global Forecast System Numerical Weather Model. This data can be used in flight planning systems to optimize flights routes or to generate a range of charts, such and wind and temperature charts, cross sections, etc.

The aforementioned gridded products are produced four times daily, and are available in gridded binary version 2 (GRIB2) format on the WAFS Internet File System (WIFS). WIFS is available to registered users at:

http://www.aviationweather.gov/wifs/

Due to the government shutdown, this notice is being sent with less than the required notification time. NWS does not have the ability to change the effective date of this WAFC change.

For technical questions, and support in registering a user account at the WIFS website, or downloading and accessing the GRIB2 data, contact:

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If you have any questions about this change, or the WAFS Global Grids data set, please contact:

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National Technical Implementation Notices are online at:

https://www.weather.gov/notification/archive

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