

## **1. 2008\_new\_lines.gdb**

The new aeromagnetic data presented in this report consists of lines in this Geosoft database. Specific channels in this database are:

longitude – longitude in degrees East.  
latitude – latitude in degrees North.  
xTM – projected X in meters (Transverse Mercator projection).  
yTM – projected Y in meters (Transverse Mercator projection).  
Hgt – aircraft elevation in meters.  
comp\_Tfield – compensated observed magnetic field (in nanoTesla) from aircraft.  
Date – date of observation (yyyy/mm/dd).  
SecDay – time of observation in seconds of day.  
DEM – terrain elevation at (xTM, yTM) in meters.  
Diurnal – diurnal correction in nanoTesla.  
DGRF – main field calculation for observation (in nanoTesla).  
Corr\_mag – magnetic observation in nanoTesla corrected for diurnal and DGRF.  
Cmag\_drape1D\_5K – Corr\_mag value continued to 5000 m above terrain.

## **2. 2008\_afghan\_aeromag\_5k.grd**

This is a Geosoft binary grid (contained in the files with suffixes .grd and .gi) of the residual magnetic field (“Cmag\_drape1D\_5K” in above database) after decorrugation and merging with older aeromagnetic datasets. The grid locations are (xTM, yTM) coordinates. The data are gridded at 1000 m grid spacing. The grid elevation is 5000 m above terrain.

## **3. 2008\_afghan\_rtp.grd**

This is a Geosoft binary grid (contained in the files with suffixes .grd and .gi) of the residual magnetic field (2008\_afghan\_aeromag\_5k.grd) after application of a reduction-to-pole transformation. The grid locations are (xTM, yTM) coordinates. The data are gridded at 1000 m grid spacing. The grid elevation is 5000 m above terrain.

## **4. 2008\_new\_lines.XYZ**

ASCII XYZ file of 2008 aeromagnetic line data.

## **5. Afghan\_rtp\_new.pdf**

Map of the reduced-to-pole total magnetic intensity of Afghanistan.