1. **Afghan_mag06A.gdb**
2. **Afghan_mag06B.gdb**
3. **Afghan_mag06C.gdb**
4. **Afghan_mag06D.gdb**
5. **Afghan_mag06E.gdb**
6. **Afghan_mag06F.gdb**
7. **Afghan_mag06G.gdb**
8. **Afghan_mag06H.gdb**

The aeromagnetic survey in this report consists of Geosoft databases A, B, C, D, E, F, G, and H. The union of these 8 databases comprise the entire survey. Specific channels in these databases 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 the 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.
IGRF - main field calculation for observation (in nanoTesla) from IGRF 2005.
Corr_mag - magnetic observation in nanoTesla corrected for diurnal and IGRF.
     (Corr_mag = comp_Tfield – Diurnal – IGRF)
(Cmag_drape1D_5K) - Corr_mag value continued to 5000 m above terrain. This channel only appears in databases where tie-line leveling or microleveling was necessary. Where it does not appear, "final_mag" represents the final magnetic field value, containing "Corr_mag" continued to 5000 m above terrain.
final_mag - final residual magnetic field in nanoTesla. This channel represents either the Corr_mag value continued to 5000 m above terrain (if no further data processing was necessary) or the final tie-line leveled/microleveled value (if such processing was necessary). See Cmag_drape1D_5K description above.

9. **afghan_aeromag_5k.grd**

This is a Geosoft binary grid (contained in the files with suffixes .grd and .gi) of the residual magnetic field ("final_mag") found in databases 1-8 described above. The grid value locations are (xTM, yTM) coordinates. The data are gridded at 1000 m grid spacing. The grid elevation is 5000 m above terrain.

10. **Afghan_mag06A.XYZ**
11. **Afghan_mag06B.XYZ**
12. **Afghan_mag06C.XYZ**
13. **Afghan_mag06D.XYZ**
14. **Afghan_mag06E.XYZ**
15. **Afghan_mag06F.XYZ**
16. **Afghan_mag06G.XYZ**
17. **Afghan_mag06H.XYZ**

These databases contain the final magnetic field data from databases 1-8 described above, in Geosoft XYZ format. They are ASCII databases, containing "longitude, latitude, final_mag, xTM, yTM" values identical to those described in 1-8, above.

18. **afghan_merged_mag_5k.grd**

This is a Geosoft binary grid (contained in the files with suffixes .grd and .gi) of the residual magnetic field ("final_mag") found in databases 1-8 described above, merged with the residual magnetic field data found in the U.S. Geological Survey Open-File Report 2006-1204 and Open-File Report 2006-1325. The grid value locations are (xTM, yTM) coordinates. The data are gridded at 1000 m grid spacing. The merged grid elevation is 5000 m above terrain.

19. **Ghore_Bamiyan_mag.gdb**

This database is in Geosoft format. It contains the final ground magnetic data in this report. Specific channels in this database are:

Station - station number identifier.
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).
Total_Field - observed magnetic field in nanoTesla.
Date - date of observation (yyyy/mm/dd).
Time - time of observation (hh:mm:ss).
DEM - terrain elevation at (xTM, yTM) in meters.
Diurnal - diurnal correction in nanoTesla.
IGRF - main field calculation for observation (in nanoTesla) from IGRF 2005.
final_mag - final magnetic observation in nanoTesla corrected for diurnal and IGRF.
        (final_mag = Total_Field – Diurnal – IGRF)

20. **Ghore_Bamiyan_mag.XYZ**

This database contains the final ground magnetic field data from database 19 above in

Geosoft XYZ format. It is an ASCII database, containing "longitude, latitude, final_mag, xTM, YTM" values identical to those described in 19, above.

21. ags_mag_5k.grd

This is a Geosoft binary grid (contained in the files with suffixes .grd and .gi) of the residual magnetic field ("final_mag") found in database 19 described above. The grid value locations are (xTM, yTM) coordinates. The data are gridded at 1000 m grid spacing. The grid elevation is 5000 m above terrain.

22. afghan_rtp.pdf

This Adobe .pdf file is an image of the reduced-to-the-pole total magnetic intensity of Afghanistan. It was created from the grid "afghan_merged_mag_5k.grd" described in 18, above.