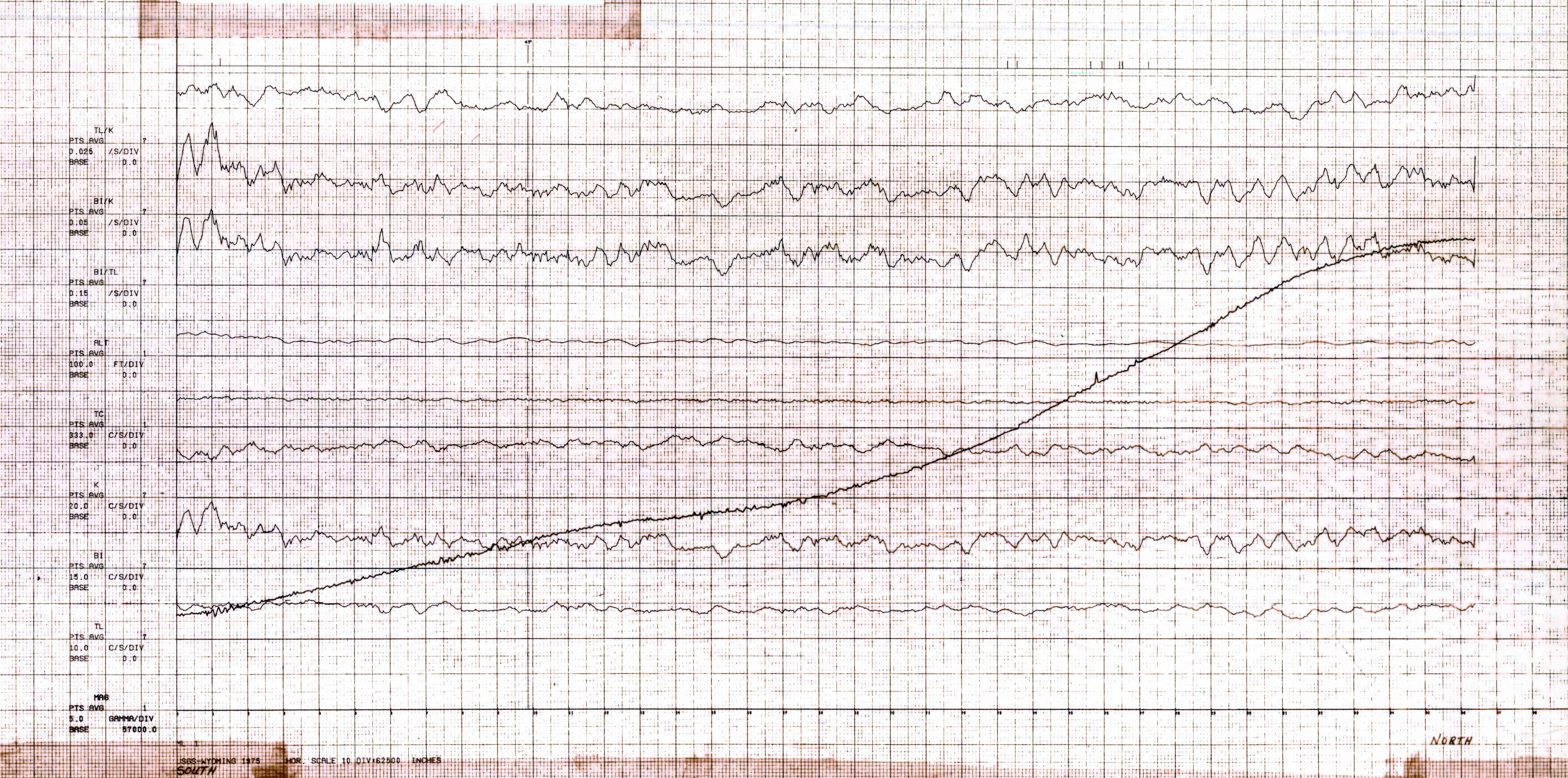


EXPLANATION

TL/K = RATIO THALLIUM<sup>208</sup> (DAUGHTER PRODUCT OF THORIUM<sup>232</sup>) TO POTASSIUM<sup>40</sup>  
BI/K = RATIO BISMUTH<sup>214</sup> (DAUGHTER PRODUCT OF URANIUM<sup>238</sup>) TO POTASSIUM<sup>40</sup>  
BI/TL = RATIO BISMUTH<sup>214</sup> TO THALLIUM<sup>208</sup>  
ALT = ALTITUDE OF AIRCRAFT ABOVE GROUND LEVEL  
TC = TOTAL COUNT GAMMA RADIATION  
K = POTASSIUM<sup>40</sup>  
BI = BISMUTH<sup>214</sup>  
TL = THALLIUM<sup>208</sup>  
0.15/DIV = RATIO UNIT PER DIVISION  
100 FT/DIV = VERTICAL SCALE OF ALTITUDE PROFILE = 100 FEET PER DIVISION  
PTS AVG 7 = 7 POINT SLIDING AVERAGE WAS USED TO SMOOTH THE DATA  
2000 C/S/DIV = EVERY DIVISION EQUALS 2000 COUNTS PER SECOND  
BASE 0.0 = HORIZONTAL LINE IS 0.0 FOR THAT PROFILE  
MAG = TOTAL INTENSITY AEROMAGNETIC SIGNATURE  
3.33 GAMMA/DIV = 3.33 GAMMAS PER DIVISION  
BASE 49200 G = HORIZONTAL LINE REPRESENTS 49200 GAMMAS AS A BASELINE FOR THE MAG DATA



These profiles are preliminary and have not been edited or reviewed for conformity to Geological Survey standards.

Data from Geodata International, Inc., 1975.

PLATE 4--PROFILES FOR MAP LINE 1 OF AIRBORNE FOUR-CHANNEL SPECTROMETRY, ALTITUDE, AND MAGNETIC DATA FOR THE SOUTHERN POWDER RIVER BASIN AREA, CONVERSE COUNTY, WYOMING  
BY  
U.S. GEOLOGICAL SURVEY  
1975