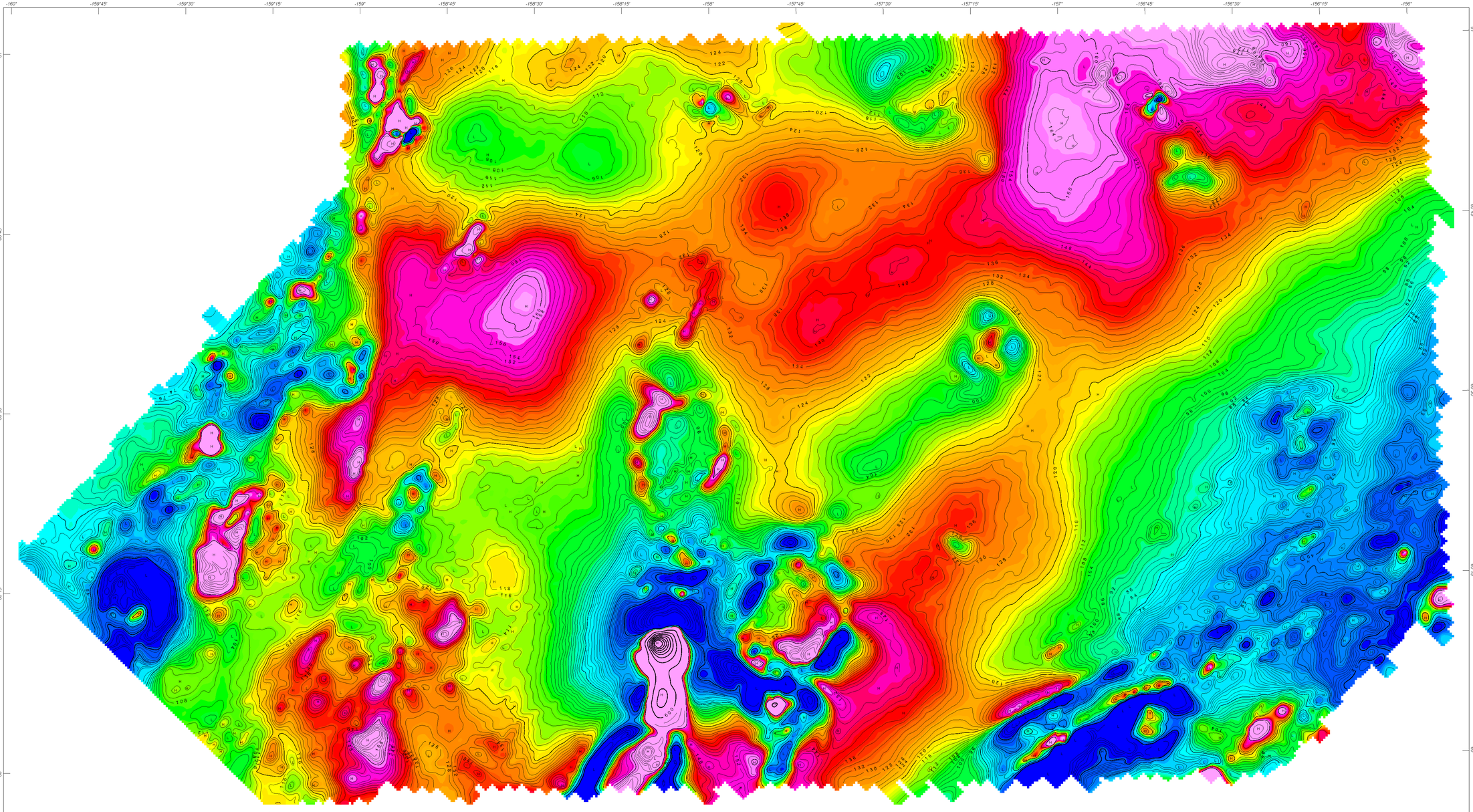

LEGEND

SURVEY PARAMETERS

SURVEY COMPLETED DATE: May 31, 2004
FLIGHT ELEVATION: 1000 ft
TRAVERSE LINE SPACING: 1 mile
TRAVERSE LINE DIRECTION: NW - SE
CONTROL LINE SPACING: 8 miles

AIRCRAFT MAGNETOMETER

2 GEOMETRICS G822A CESIUM MAGNETOMETERS

SENSITIVITY: 0.001 nT
NOISE LEVEL: +/- 0.01 nT
SAMPLE INTERVAL: 20 times/seconds
MOUNTED IN WING TIPS POD

BASE STATION MAGNETOMETER

2 GMAG MAGNETOMTERS
1) DATE: April 26, 2004 to May 10, 2004
LOCATION: Longitude 157.2881° West, Latitude 60.5660° North
2) DATE: May 19, 2004 to May 31, 2004
LOCATION: Longitude 158.0939° West, Latitude 60.31920° North

AIRCRAFT

TYPE: CESSNA C207
REGISTRATION: N7304U

ACQUISITION SYSTEM

PICO-ENVIROTEC AGIS 100 DATA ACQUISITION SYSTEM
ALTIMETERS:
RADAR: TERRA TRA-3000 RADAR ALTIMETER
(MOUNTED ON BELLY OF AIRCRAFT)
BAROMETRIC: SETRA MODEL 276 BAROMETRIC PRESSURE ALTIMETER
(MOUNTED INSIDE AIRCRAFT)
AIRCRAFT GPS RECEIVER: NOVATEL G12BOV 12 CHANNEL GPS SYSTEM
(MOUNTED ON LEFT WING TIP POD)
BASE STATION GPS RECEIVER: NOVATEL MILLENIUM SYSTEM
GPS SAMPLE INTERVAL: 1 reading/second

DATA PROCESSING PARAMETERS

IGRF FIELD YEAR 2000 EXTRAPOLATED AT May 26, 2004
METHOD USED FOR DIURNAL CORRECTIONS:
1) DIURNAL VARIATIONS FOR TIE LINES
2) TIE LINE LEVELING FOR TRANSVERSE LINES
COORDINATES OF THE LOWER LEFT HAND CORNER OF THE GRID
Long (NCOR) = -159°56.37
Lat (NCOR) = 59°57.32
GRID INTERVAL: 0.212 miles
CONTOUR INTERVALS: 2, 4, 40, 200, 500 nT
H = High
L = Low

Scale 1:250000

5000 0 5000 10000 15000

metres

WGS 84 / UTM zone 4N

U. S. Geological Survey
Total Magnetic Field **IGRF Removed**
Taylor Mountains Area in Southwest Alaska
McPhar Geosurveys Ltd.