TAPE DOCUMENTATION

TYPE OF DATA Aeromag

DATA SET NAME NRL, Arctic Aeromag Data - 2 mag tapes

ORIGINATOR (Inst/Scientist) Naval Research Lab

RECEIVED (Name/data) McLean/March 1985

SOURCE TAPE		Master Tape #3.	Archive Tape #4.	Back-up Tape	Customer Tape #5.	
Originator #1.	Data Center #2.					
M02868		W00030	L22516	Lincoln Sea 75 Alpha / Nansen 75		7 files
M02869				Knipovitch 72 Mohns 73		
M02879				Nansen 74 Nansen 75		
				Western S 79		
M05738		W00871	L01210	Alpha Ridge 75 Alpha Ridge 76		4 files
				Canadian Basin 77 " " 78		

SOURCE TAPE: Track 7 BPI 800 Code BCD Format: BTAP2 Rec.Len: 80 Blocking: 100

Label Other:

MASTER TAPE: Track 9 BPI 1600 Code ASCII Format: Rec.Len: 80 Blocking: 100

Label Other:

ARCHIVE TAPE: 9 1600 ASCII

COMMENTS: 80 char/rec

7 files over for description

BTAP2 Data Format for NRL Aeromagnetic Data

TGO-0350 (Arctic) and TGO-0360 (South Pacific)

Columns	Format	Description
1 - 12	A12	File name
13	1X	Blank
14 - 17	I4	Year
18	1X	Blank
19 - 21	I3	Julian day
22 - 24	1X,I2	Hour
25 - 27	1X,I2	Minute
28 - 30	1X,I2	Second
31	1X	Blank
32 - 39	F8.4	Latitude, .0001 degrees
40	1X	Blank
41 - 49	F9.4	Longitude, .0001 degrees
50 - 56	F7.0	Residual total field, nT
57 - 63	F7.0	Observed total field, nT
64 - 65	2X	Blank
66 - 80	A15	Magnetic Field Model Removed, ie, IGRF75

Latitude is positive for northern hemisphere, negative for southern.

Longitude is positive for eastern hemisphere, negative for western.

TGO-0350

NRL Arctic Aeromag
1 Mag tape

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: NAVY BUNO 149670

PLATFORM TYPE: R P-3-A

CHIEF SCIENTIST(S): R.H. FEDEN

PROJECT NAME/NUMBER: LINCOLN SEA 1975 AIRMAG

DEPARTURE DATE/PLACE: THULE, GREENLAND

ARRIVAL DATE/PLACE: THULE, GREENLAND

NAV. AIDS LITTON 51 INS

BATHYMETRIC INSTRUMENTATION:

MAGNETICS INSTRUMENTATION: GEOMETRICS G803/01 (proton-precession)

GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 Sec/300 m (nominal) dft. IGRF 1975

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: BIRDSEYE

PLATFORM TYPE: P3-A

CHIEF SCIENTIST(S): L.C. Kovacs

PROJECT NAME/NUMBER: NAVOCEANO 1975 Alpha Ridge / NANSEN R. Exp.

DEPARTURE DATE/PLACE: Fairbanks, AK

ARRIVAL DATE/PLACE: Thule, Greenland

NAV. AIDS Litton 72

BATHYMETRIC INSTRUMENTATION: N/A

MAGNETICS INSTRUMENTATION: Varian Cesium Airborne Magnetometer (prototype)

GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 sec / 300 m (nominal) / IGRF-75

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: VP-24 FLEET AIRCRAFT

PLATFORM TYPE: USN P-3

CHIEF SCIENTIST(S): R.H. FEDEN, H.S. FLEMING

PROJECT NAME/NUMBER: KNIPOVITCH RIDGE AIRMAG 1972

DEPARTURE DATE/PLACE: KEFLAVIK, ICELAND

ARRIVAL DATE/PLACE: ANDENES, NORWAY

NAV. AIDS LITTON 51 INS

BATHYMETRIC INSTRUMENTATION:

MAGNETICS INSTRUMENTATION: VARIAN MOD? P-P

GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 Sec / 300 m. altitude (nominal) IGRF 1975

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: PROJ MAGNET

PLATFORM TYPE: RP-3-D

CHIEF SCIENTIST(S): H.S. FLEMING, R.H. FEDEN

PROJECT NAME/NUMBER: MOHNS RIDGE AIRMAG

DEPARTURE DATE/PLACE: 4/30/73, ANDENES, NORWAY

ARRIVAL DATE/PLACE: 6/7/73 " " (18 FLTS)

NAV. AIDS LITTON 51 INS

BATHYMETRIC INSTRUMENTATION:

MAGNETICS INSTRUMENTATION: GEOMETRICS G-801/3 (PROTON-PRECESSION)

GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 Sec. / 300 m. altitude (nominal) IGRF 1975

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: NAVY BUNO 149670

PLATFORM TYPE: RP-3-A AIRCRAFT

CHIEF SCIENTIST(S): R.H. FEDEN, H.S. FLEMING

PROJECT NAME/NUMBER: NANSEN RIDGE AIRMAG 1974

DEPARTURE DATE/PLACE: ANDENES, NORWAY

ARRIVAL DATE/PLACE: ANDENES, NORWAY

NAV. AIDS LITTON 51 INS

BATHYMETRIC INSTRUMENTATION:

MAGNETICS INSTRUMENTATION: GEOMETRICS G 801/3 (PROTON-PRECESSION)

GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 Sec. / 300 m altitude (nominal) IGRF 1975

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: NAVY BUNO 149670

PLATFORM TYPE: RP-3-A

CHIEF SCIENTIST(S): R.H. FEDEN

PROJECT NAME/NUMBER: NANSEN RIDGE 1975 ARMAG

DEPARTURE DATE/PLACE: ANCHORAGE, AK

ARRIVAL DATE/PLACE:

NAV. AIDS LITTON 51 INS

BATHYMETRIC INSTRUMENTATION:

MAGNETICS INSTRUMENTATION: GEOMETRICS G 803/01 (Proton-Precession)

GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 sec./300 m (nominal) altitude/IGRF 1975

NAVAL RESEARCH LABORATORY (USA)

PLATFORM NAME: NAVY BUNO 149670

PLATFORM TYPE: RP-3-A

CHIEF SCIENTIST(S): L.C. KOVACS

PROJECT NAME/NUMBER: Western J-Anomaly 1979 AIRMAG

DEPARTURE DATE/PLACE: SHEARWATER, NOVA SCOTIA

ARRIVAL DATE/PLACE: " "

NAV. AIDS LITTON 72 INS

BATHYMETRIC INSTRUMENTATION:

MAGNETICS INSTRUMENTATION: GEOMETRICS G-803/01 (Proton Precession)

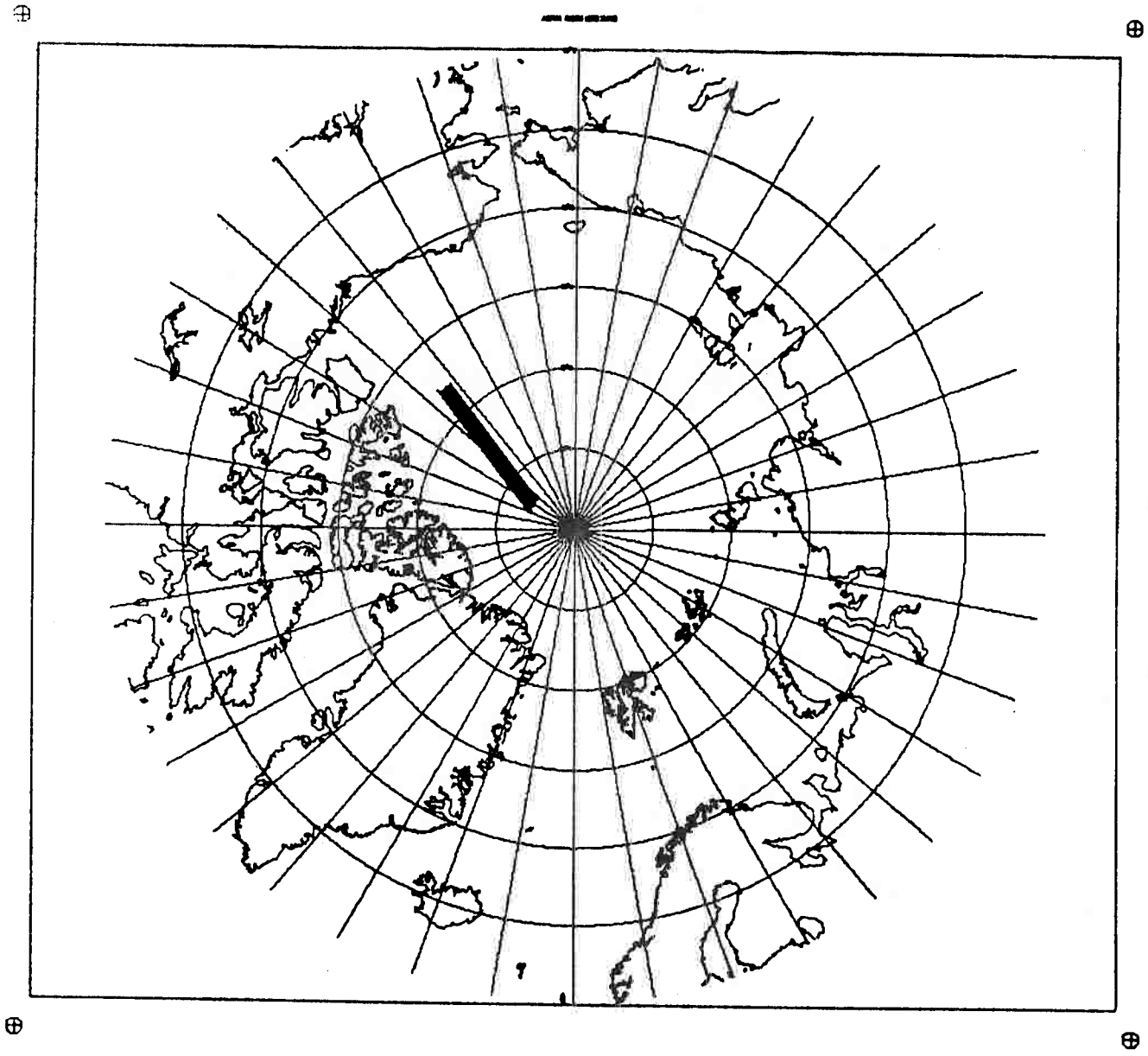
GRAVITY INSTRUMENTATION:

SEISMIC INSTRUMENTATION:

BATHY SAMPLE RATE/SOUND VEL/INTERPOLATION SCHEME

MAGNETICS SAMPLE RATE/SENSOR DEPTH/REF. FIELD

2.5 sec / 300 m (nominal) altitude / IGRF 1975



Alpha Ridge 1976 NAVOCEANO TGO-0350