MARSHOT
AGSO's Marine Seismic Shotpoint Location Database

By

R. Tracey

Record 1995/57

AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

MARSHOT
AGSO's Marine Seismic Shotpoint Location Database

by

R. Tracey

Record 1995/57

August 1995

DEPARTMENT OF PRIMARY INDUSTRIES AND ENERGY

Minister for Resources: Hon. David Beddall, MP
Secretary: Greg Taylor

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

Executive Director: Neil Williams

ISSN: 1039-0073
ISBN: 0 642 22364 5

Contents

Introduction

MARSHOT is AGSO's Marine Seismic Shotpoint Location Database. It contains the shotpoint location data for most of the marine seismic surveys that AGSO has carried out since 1982 and also data from some surveys that were done on a cooperative basis with AGSO by other organisations. Data has also been obtained from sources such as exploration companies and overseas government or research institutions. To date the database contains 244,515 kms of shotpoint location data for the AGSO related surveys. Appendix 1 contains a summary of these current holdings for AGSO related surveys while appendix 2 contains a summary of the current holdings for surveys from other sources.

The database consists of a number of ASCII files that reside in the nsp$disk:[nsp3.uk] directory on Marine Petroleum and Sedimentary Resources (MPSR) Division's VMS host "FREND".

These files are named (S/F)xxxFD[R][(A/B/...)].(ASC/UKO) where:

	S	indicates the data is from an AGSO survey or
	F	indicates the data is from another source
	xxx	is a three digit AGSO identifier which is also known as the survey number. When the prefix is F the survey number is xxx + 1000.
	FD	indicates the data is final processed data
	R	when included, indicates a reprocessed data set
	A/B/...	when included, indicates the survey number part
	.ASC	indicates the file contains all available shotpoints or
	.UKO	indicates a sampled subset, usually every tenth shot, of a .ASC file
and	( )	indicates a choice
	[ ]	indicates optional

Shotpoint Locations

The shotpoint location for most of the AGSO surveys is given at the common mid point, which is a point mid way between the centre of the seismic source and the centre of the first hydrophone group. This is achieve by applying an offset to the shot time to give the time at which the ship's antenna was at this common mid point. In some cases the position of the source is used rather than the common mid point.

The shot times that were used to produce the AGSO data have been derived from one of two sources. Seismic data released prior to 1993 used a pseudo shotpoint number which has no direct relationship to the actual shot time or field shot number and was generated during the processing of the seismic data. Seismic data released since 1993 used the processing shot number, which in most cases is identical to the field shot number and has a direct relationship to the actual shot time (Barton etal, 1993). This processing shot number and shot time was either written to a file during acquisition and hence was immediately available for generation of shotpoint location data, or extracted along with the shot time from the seismic data during processing.

Shotpoint resequencing

In some cases, such as when a seismic line is shot in parts which are subsequently merged to produce one line, the shotpoint numbers have been resequenced to produce a continuous sequence and as such are no longer identical to the field shot number.

This, along with the fact that the pre 1993 data uses pseudo shotpoint numbers, means that *users should always quote times when accessing field tapes rather than shotpoint numbers.*

Data Format

Data from AGSO related surveys

The format used for these data is a modified form of the UKOOA format which is described by the United Kingdom Offshore Operators Association Surveying and Positioning Committee (UKOOA, 1990) and consists of a variable number of header records followed by the data records.

The header records are delimited by the "#" symbol in column 1 of the first and last header records and contain information such as the survey name and location, acquisition and version dates, file contents and geographic limits, navigation system used, position and gravity datums, format description, brief processing information for the potential field and bathymetric data, and information related to station position and numbering. The headers for each AGSO related survey currently in the database are included in appendix 3.

The data records can be either normal precision format or high precision format. High precision format has been used from survey 127 onwards and was implemented to enable positions to be defined to hundredths of a second. As AGSO uses geographic coordinates rather than rectangular coordinates, the Eastings and Northings fields normally found in the UKOOA format are not used. This has allowed the inclusion of gravity data in the record. Survey 40 is currently the only exception to this standard as it contains both geographic and rectangular coordinates. This and any other changes to the standard AGSO format are noted in the header records of the appropriate file.

The two formats are described as follows:

	Column	Field	Format
Normal precision	1-16	line name (left justified)	a16
	17-23	shotpoint number (right justified)	i7
	26-34	latitude (deg, min, sec N/S)	2i2,f4.1,a1
	35-44	longitude (deg, min, sec E/W)	i3,i2,f4.1.a1
	45-52	gravity field (μms^{-2})	i8
	61-65	water depth (m)	i5
	66-74	julian day (ddd) and time (hhmmss)	i3,3i2
	75-80	magnetic field (nTeslas)	i6
High precision	1-16	line name (left justified)	a16
	17-23	shotpoint number (right justified)	i7
	24-33	latitude (deg, min, sec N/S)	2i2,f5.2,a1
	34-44	longitude (deg, min, sec E/W)	i3,i2,f5.2.a1
	45-52	gravity field (μms^{-2})	i8
	61-65	water depth (m)	i5
	66-75	julian day (ddd) and time (hhmmss.s)	i3,3i2,i1
	76-80	magnetic field (nTeslas)	I5

Data from other sources

These files are generally in the format in which they were supplied to AGSO. In most cases this is UKOOA format, however the data content and actual format may vary from the standard. Some of these files do not have header records.

Data Access

From within AGSO

Access to the data in this database from inside AGSO is currently achieved either by copying the required file or files, or through "UKOSAM", a program on the VMS and Unix systems which samples a shotpoint location data file and produces a subset at a user specified shot frequency. Ukosam creates an output file containing the header records and, for each seismic line in the file, the first and last shotpoint and each shotpoint in between that is a multiple of the sampling frequency.

The VMS version of Ukosam allows the user to specify what data they require in the output record. Bathymetry data can be included or excluded; gravity data can be output as total field, free-air or bouguer anomaly, or excluded; and magnetic data can be output as total field, AGRF or IGRF anomaly, or excluded. Instructions on how to run this version of Ukosam can be found in the Data Processing Manual for Marine Navigation, Gravity, Magnetic and Water Depth Data which is held by the Data Processing Group, Support Services Section, MPSR.

The Unix version of Ukosam can access the data directly on the VMS system and produce an output file on the Unix system but at this stage does not have the option of modifying any of the data in the output record. Currently Ukosam is installed on MPSR's Unix server "LUNAR", as this host has a connection to "FREND" where the database resides. To run Ukosam on "LUNAR" users must firstly ensure that /usr/proc is in their path statement, then run the command:

ukosam <input file> <output file> <sample frequency>

eg ukosam /frend/nsp/nsp3/uk/s101fd.asc s101fd.uko 10

This would access the file s101fd.asc on the VMS system and create a sampled file of every tenth shotpoint, s101fd.uko, in the users current directory .

At the time of publication of this record, a program was being developed on the VMS system to allow the database to be searched and data to be extracted on the basis of geographical coordinates.

From outside AGSO

Access to MARSHOT data by people who are not employees of AGSO can be obtained by contacting:

Chris Johnston
Marketing Manager
Marine Petroleum and Sedimentary Resources
Australian Geological Survey Organisation
phone: 06 249 9353
fax: 06 2499981

References

Barton, T., N. Johnston, and P. Petkovic, 1993, AGSO formats for marine seismic & navigation digital data, AGSO Record, 1993/98.

UKOOA, 1990, P1/90 Post plot data exchange tape 1990 format.

Appendix 1

Summary of current holdings for AGSO related surveys.

Survey Number	File Name	Survey Name	Year of Survey
40	s040fd.asc	Gippsland/Bass/Otway Basins	1982
	s040fdr.asc	Gippsland Basin (Seismic Reprocessing)	1982
50	s050fd.asc	North East Australia 1	1985
52	s052fd.asc	Sonne 36A	1985
55	s055fd.asc	Exmouth Plateau I	1986
	s055fdr.asc	Exmouth Plateau I (Seismic Reprocessing)	1986
56	s056fd.asc	Exmouth Plateau II	1986
57	s057fd.asc	North Perth Basin	1986
	s057fdr.asc	North Perth Basin (Seismic Reprocessing)	1986
58	s058fd.asc	Sonne 36B	1985
68	s068fd.asc	Gippsland Basin	1987
	s068fdr.asc	Gippsland Basin (Seismic Reprocessing)	1987
76	s076fd.asc	Townsville Trough	1987
78	s078fd.asc	West Tasmania Basin	1988
80	s080fd.asc	South Perth Basin I	1988
	s080fdr.asc	South Perth Basin I (Seismic Reprocessing)	1988
81	s081fd.asc	South Perth Basin II	1988
	s081fdr.uko	South Perth Basin II (Seismic Reprocessing)	1988
82	s082fd.asc	Gippsland/Bass Basin 1	1988
	s082fdr.asc	Gippsland/Bass Basin 1 (Seismic Reprocessing)	1988
90	s090fd.asc	Gippsland/Bass Basin 2	1989
	s090fdr.asc	Gippsland/Bass Basin 2 (Seismic Reprocessing)	1989
91	s091fd.asc	Maryborough Basin	1989
94	s094fd.asc	Arafura Sea 2	1990
95	s095fd.asc	Canning/Exmouth	1990
97	s097fd.asc	Vulcan Graben 1	1990
98	s098fd.asc	Vulcan Graben 2	1990
	s098fdr.asc	Vulcan Graben 2 (Seismic Reprocessing)	1990
100	s100fd.asc	Petrel Sub-Basin	1991
	s100fdr.asc	Petrel Sub-Basin (Seismic Reprocessing)	1991
101	s101fd.asc	Southern Carnarvon	1991
	s101fdr.asc	Southern Carnarvon (Seismic Reprocessing)	1991
105	s105fd.asc	Great Barrier Reef (JNOC)	1991
106	s106fd.asc	East Arafura	1991
107	s107fd.asc	Christmas Island	1992
109	s109fd.asc	Philippines	1992
110	s110fd.asc	Barrow/Dampier	1992
114	s114fd.asc	South Lord Howe Rise	1992
116	s116fda.asc	Timor Sea Tie	1993
	s116fdb.asc	Malita Graben	1993
118	s118fda.asc	Malita Graben	1993
	s118fdb.asc	Timor Sea Tie	1993
119	s119fd.asc	Browse Basin	1993
120	s120fd.asc	Southern North West Shelf	1993

Survey Number	File Name	Survey Name	Year of Survey
122	s122fd.asc	Sahul Shoals	1993
124	s124fda.asc	Macquaire Ridge (Deep Seismic Lines)	1994
	s124fdb.asc	Macquaire Ridge (High Resolution Seismic)	1994
127	s127fd.asc	PGS-Nopec Survey ETS-94	1994
128	s128fd.asc	Northwest Margin Transects	1994
130	s130fd.asc	Browse Basin Infill	1994
135	s135fd.asc	Wallaby Plateau (Law of the Sea)	1994
136	s136fd.asc	Carnarvon Tertiary Tie	1994
137	s137fd.asc	Otway Basin	1995
146	s146fd.asc	Snewin 2D Seismic Survey for Cultus Petroleum	1995
149	s149fd.asc	Prydz Bay	1995

Appendix 2

Summary of current holdings for surveys from other sources.

Survey Number	File Name	Survey Name	Year of Survey
1001	f001fd.asc	Shell Petrel	1968/73
1046	f046fd.asc	Polda Trough	1970
1047	f047fd.asc	Polda Trough	1971
1048	f048fd.asc	Polda Trough	1981
1049	f049fd.asc	Adelie Land	1982
1050	f050fd.asc	Sorrel Basin	?
1051	f051fd.asc	Prydz Bay	1987/91
1052	f052fd.asc	East Queensland	?
1054	f054fd.asc	Carnarvon Reprocessing	1986
1150	f150fd.asc	Banda Sea	1992
1497	f497fd.asc	Vanuatu L5-84	?

Appendix 3

Header records of current holdings for AGSO related surveys.

USR$NSP:[NSP3.UK]S040FD.ASC

#NAME: AGSO SURVEY 40, GIPPSLAND/BASS/OTWAY BASINS
AREA: GIPPSLAND/BASS/OTWAY BASINS
ACQUISITION DATE: MAR/APR/MAY 1982
VERSION OF: 02-MAR-95
SOURCE FILE: S040FD.ASC
CONTENTS: STATION POSITION, WATER DEPTH
POSITION DATUM: AGD66 ZONE 55
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,2I8,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
UTM EASTINGS IN METRES
UTM NORTHINGS IN METRES
WATER DEPTH IN METRES
TIME: JULIAN DAY
TIME: UTC HOUR
TIME: UTC MINUTE
TIME: UTC SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
STATION POSITION: GIVEN AT THE SOURCE
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S040FDR.ASC

#NAME: AGSO SURVEY 40R, GIPPSLAND BASIN (SEISMIC REPROCESSING)
AREA: GIPPSLAND BASIN
ACQUISITION DATE: MAR/APR/MAY 1982
VERSION OF: 02-MAR-95
SOURCE FILE: S040FD.ASC
CONTENTS: STATION POSITION, WATER DEPTH
POSITION DATUM: AGD66 ZONE 55
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,2I8,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
UTM EASTINGS IN METRES
UTM NORTHINGS IN METRES
WATER DEPTH IN METRES
TIME: JULIAN DAY
TIME: UTC HOUR
TIME: UTC MINUTE
TIME: UTC SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
STATION POSITION: GIVEN AT THE SOURCE
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S050FD.ASC

#NAME: AGSO SURVEY 50, NORTH EAST AUSTRALIA 1
AREA: NORTH EAST AUSTRALIA
ACQUISITION DATE: SEP/OCT 1985
VERSION OF: 27-JUL-1995
SOURCE FILE: S050AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 10 21S, 19 14S, 145 02E 152 04E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S052FD.ASC

#NAME: AGSO SURVEY 052, SONNE 36A
AREA:
ACQUISITION DATE: FEBRUARY/MARCH 1985
VERSION OF: 06-MAR-1995
SOURCE FILE: TAPE PROVIDED BY BGR
CONTENTS: STATION POSITION
NAVIGATION: NOT STATED
POSITION DATUM: NOT STATED
GRAVITY DATUM: N/A
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 29 00S, 33 04S, 158 26E, 162 09E
STATION POSITION: NOT STATED
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S055FD.ASC

#NAME: AGSO SURVEY 55, EXMOUTH PLATEAU I
AREA: NORTH WEST SHELF
ACQUISITION DATE: MARCH 1986
VERSION OF: 27-JUL-95
SOURCE FILE: S055AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 17 15S, 20 44S, 110 20E, 114 01E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S055FDR.ASC

#NAME: AGSO SURVEY 55R, EXMOUTH PLATEAU I (SEISMIC REPROCESSING)
AREA: NORTH WEST SHELF
ACQUISITION DATE: MARCH 1986
VERSION OF: 24-MAY-95
SOURCE FILE: S055AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME AT COMMON MID-POINT: DAY
TIME AT COMMON MID-POINT: UTC HOUR
TIME AT COMMON MID-POINT: UTC MINUTE
TIME AT COMMON MID-POINT: UTC SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 19 31S, 19 59S, 113 18E, 116 30E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: RESEQUENCED TO MATCH SEISMIC DATA REPROCESSED AT WESTERN GEOPHYSICAL
ADDITIONAL NOTES: THE DISTANCES BETWEEN CONSECUTIVE SHOTPOINTS MAY VARY DUE TO INACCURACIES IN THE SHIPS SPEED. THIS UKOOA FILE WAS DERIVED BY TRANSFORMING FROM WGS72 TO WGS84 COORDINATES.
#

USR$NSP:[NSP3.UK]S056FD.ASC

#NAME: AGSO SURVEY 56, EXMOUTH PLATEAU II
AREA: NORTH WEST SHELF
ACQUISITION DATE: APRIL 1986
VERSION OF: 27-JUL-95
SOURCE FILE: S056AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 15 53S, 17 59S, 114 35E, 117 40E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S057FD.ASC

#NAME: AGSO SURVEY 57, NORTH PERTH BASIN
AREA: PERTH BASIN
ACQUISITION DATE: JULY 1986
VERSION OF: 27-JUL-95
SOURCE FILE: S057AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 26 10S, 29 50S, 110 51E, 114 43E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S057FDR.ASC

#NAME: AGSO SURVEY 57R, NORTH PERTH BASIN (SEISMIC REPROCESSING)
AREA: PERTH BASIN
ACQUISITION DATE: JULY 1986
VERSION OF: 27-JUL-95
SOURCE FILE: S057AN.DAT
CONTENTS: STATION POSITION EVERY 10TH SHOT, WATER DEPTH, GRAVITY FIELD,
TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 27 56S, 29 50S, 112 21E, 114 43E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: STATION NUMBERS MATCH SEISMIC DATA REPROCESSED AT GECO-PRAKLA
#

USR$NSP:[NSP3.UK]S058FD.ASC

#NAME: AGSO SURVEY 058, SONNE 36B
AREA: TASMAN RISE
ACQUISITION DATE: MARCH/APRIL 1985
VERSION OF: 06-MAR-1995
SOURCE FILE: TAPE PROVIDED BY BGR
CONTENTS: STATION POSITION
NAVIGATION: UNKNOWN
POSITION DATUM: UNKNOWN
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 41 00S, 49 16S, 141 23E, 150 59E
STATION POSITION: UNKNOWN
STATION NUMBERS: AS PROVIDED, LINE NAMES CHANGED TO INCLUDE AGSO ID NUMBER
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S068FD.ASC

#NAME: AGSO SURVEY 68, GIPPSLAND BASIN
AREA: GIPPSLAND BASIN
ACQUISITION DATE: MAR/APR 1987
VERSION OF: 27-JUL-95
SOURCE FILE: S068AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 34 25S, 39 32S, 148 13E, 153 02E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S068FDR.ASC

#NAME: AGSO SURVEY 68R, GIPPSLAND BASIN (SEISMIC REPROCESSING)
AREA: GIPPSLAND BASIN
ACQUISITION DATE: MAR/APR 1987
VERSION OF: 27-JUL-95
SOURCE FILE: S068AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 37 57S, 39 32S, 148 13E, 151 12E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: STATION NUMBERS RESEQUENCED TO MATCH REPROCESSING BY GECO-PRAKLA
#

USR$NSP:[NSP3.UK]S076FD.ASC

#NAME: AGSO SURVEY 76, TOWNSVILLE TROUGH
AREA: GREAT BARRIER REEF
ACQUISITION DATE: NOV 1987
VERSION OF: 27-JUL-19945
SOURCE FILE: S076AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 17 32S, 20 14S, 148 40E, 153 52E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S078FD.ASC

#NAME: AGSO SURVEY 78, WEST TASMANIA BASIN
AREA: WEST TASMANIA
ACQUISITION DATE: MAR/APR 1988
VERSION OF: 27-JUL-1995
SOURCE FILE: S078AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 40 11S, 43 52S, 141 22E, 147 40E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S080FD.ASC

#NAME: AGSO SURVEY 80, SOUTH PERTH BASIN I
AREA: PERTH BASIN
ACQUISITION DATE: JUL/AUG 1988
VERSION OF: 27-JUL-95
SOURCE FILE: S080AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 29 24S, 32 10S, 114 37E, 115 25E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S080FDR.ASC

#NAME: AGSO SURVEY 80R, SOUTH PERTH BASIN I (SEISMIC REPROCESSING)
AREA: PERTH BASIN
ACQUISITION DATE: JUL/AUG 1988
VERSION OF: 27-JUL-95
SOURCE FILE: S080AN.DAT
CONTENTS: STATION POSITION EVERY 10TH SHOT, WATER DEPTH, GRAVITY FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 29 24S, 32 10S, 114 37E, 115 25E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: STATION NUMBERS MATCH SEISMIC DATA REPROCESSED AT GECO-PRAKLA
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S081FD.ASC

#NAME: AGSO SURVEY 81, SOUTH PERTH BASIN II
AREA: PERTH BASIN
ACQUISITION DATE: SEP/OCT 1988
VERSION OF: 27-JUL-95
SOURCE FILE: S081AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 29 25S, 33 27S, 112 52E, 115 33E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S081FDR.ASC

#NAME: AGSO SURVEY 81R, SOUTH PERTH BASIN II (SEISMIC REPROCESSING)
AREA: PERTH BASIN
ACQUISITION DATE: SEP/OCT 1988
VERSION OF: 27-JUL-95
SOURCE FILE: S081AN.DAT
CONTENTS: STATION POSITION EVERY 10TH SHOT, WATER DEPTH, GRAVITY FIELD,
TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 29 25S, 33 24S, 112 52E, 115 33E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: STATION NUMBERS MATCH SEISMIC DATA REPROCESSED AT GECO-PRAKLA
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S082FD.ASC

#NAME: AGSO SURVEY 82, GIPPSLAND/BASS BASIN 1
AREA: GIPPSLAND AND BASS BASINS
ACQUISITION DATE: NOV/DEC 1988
VERSION OF: 27-JUL-1995
SOURCE FILE: S082AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: RADIO NAVIGATION
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 37 56S, 40 55S, 145 48E, 149 09E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: LINES 1-3 GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP. LINES 301-310 AS COMPUTED BY DIGICON.
ADDITIONAL COMMENTS: GIPPSLAND BASIN LINES 1-3, BASS BASIN LINES 301-310. LINES 301-310 WERE PROCESSED BY DIGICON.
#

USR$NSP:[NSP3.UK]S082FDR.ASC

#NAME: AGSO SURVEY 82,GIPPSLAND/BASS BASIN 1 (SEISMIC REPROCESSING)
AREA: GIPPSLAND BASIN
ACQUISITION DATE: NOV/DEC 1988
VERSION OF: 27-JUL-1995
SOURCE FILE: S082AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: RADIO NAVIGATION
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 37 56S, 39 07S, 148 14E, 149 09E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP.
STATION NUMBERS: STATION NUMBERS RESEQUENCED TO MATCH REPROCESSING BY GECO-PRAKLA.
ADDITIONAL COMMENTS: NONE
#

USR$NSP:[NSP3.UK]S090FD.ASC

#NAME: AGSO SURVEY 90, GIPPSLAND/BASS BASIN 2
AREA: GIPPSLAND AND BASS BASINS
ACQUISITION DATE: MAR/APR 1989
VERSION OF: 27-JUL-1995
SOURCE FILE: S090AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: RADIO NAVIGATION
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 37 53S, 40 24S, 145 01E, 149 06E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP.
ADDITIONAL COMMENTS: NONE
#

USR$NSP:[NSP3.UK]S090FDR.ASC

#NAME: AGSO SURVEY 90, GIPPSLAND/BASS BASINS 2 (SEISMIC REPROCESSING)
AREA: GIPPSLAND BASIN
ACQUISITION DATE: MAR/APR 1989
VERSION OF: 27-JUL-1995
SOURCE FILE: S090AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: RADIO NAVIGATION
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 37 53S, 39 24S, 147 05E, 149 06E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN AT THE COMMON MID POINT
STATION NUMBERS: STATION NUMBERS RESEQUENCED TO MATCH REPROCESSING BY GECO-PRAKLA
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S091FD.ASC

#NAME: AGSO SURVEY 91, MARYBOROUGH BASIN
AREA: MARYBOROUGH BASIN
ACQUISITION DATE: NOV/DEC 1989
VERSION OF: 27-JUL-1995
SOURCE FILE: S091AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: RADIO NAVIGATION
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 22 35S, 25 04S, 152 11E, 153 29E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S094FD.ASC

#NAME: AGSO SURVEY 94, ARAFURA SEA 2
AREA: ARAFURA SEA
ACQUISITION DATE: FEB/MARCH 1990
VERSION OF: 18-APR-1995
SOURCE FILE: S094AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 08 57S, 11 54S, 132 27E, 136 43E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S095FD.ASC

#NAME: AGSO SURVEY 95, CANNING/EXMOUTH
AREA: OFFSHORE CANNING / EXMOUTH BASIN
ACQUISITION DATE: MAY 1990
VERSION OF: 18-APR-1995
SOURCE FILE: S095FD.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 15 20S, 18 33S, 115 24E, 120 44E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: THIS FILE CONTAINS ONLY LINES 6-19 INCLUSIVE
#

USR$NSP:[NSP3.UK]S097FD.ASC

#NAME: AGSO SURVEY 97, VULCAN GRABEN 1
AREA: TIMOR SEA
ACQUISITION DATE: OCT/NOV 1990
VERSION OF: 18-APR-1995
SOURCE FILE: S097FD.DAT
CONTENTS: STATION POSITION, WATER DEPTH
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND STAND-ALONE GPS (NO SA)
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 11 03S, 13 03S, 124 17E, 126 06E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S098FD.ASC

#NAME: AGSO SURVEY 98, VULCAN GRABEN 2
AREA: TIMOR SEA
ACQUISITION DATE: NOV/DEC 1990
VERSION OF: 19-APR-1995
SOURCE FILE: S098AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 10 47S, 13 07S, 123 25E, 126 32E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S098FDR.ASC

#NAME: AGSO SURVEY 98R, VULCAN GRABEN 2 (SEISMIC REPROCESSING)
AREA: TIMOR SEA
ACQUISITION DATE: NOV/DEC 1990
VERSION OF: 19-APR-1995
SOURCE FILE: S098AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: TRANSIT SATELLITE WITH DEAD RECKONING AND DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 10 47S, 13 07S, 123 25E, 126 32E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: RESEQUENCED TO MATCH SEISMIC DATA PROCESSED AT WESTERN GEOPHYSICAL AND RELEASED IN MID-1993.
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S100FD.ASC

#NAME: AGSO SURVEY 100, PETREL SUB-BASIN
AREA: BONAPARTE BASIN
ACQUISITION DATE: APRIL/MAY 1991
VERSION OF: 02-FEB-1995
SOURCE FILE: S100AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 10 33S, 14 29S, 125 48E, 129 48E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S100FDR.ASC

#NAME: AGSO SURVEY 100R, PETREL SUB-BASIN (SEISMIC REPROCESSING)
AREA: BONAPARTE BASIN
ACQUISITION DATE: APRIL/MAY 1991
VERSION OF: 20-JUL-1995
SOURCE FILE: S100AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 10 33S, 14 29S, 125 48E, 129 48E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: THE 5 PARTS OF LINE 6 WERE MERGED AND SHOT NUMBERS RESEQUENCED
ADDITIONAL NOTES: ALL LINES FOR SURVEY 100 ARE INCLUDED HOWEVER ONLY LINES 4 AND 6 HAVE BEEN REPROCESSED AND AS SUCH HAVE THE LINE PREFIX 100R/. AS OF THE DATE OF THIS FILE, SEISMIC DATA FOR LINE 6 WERE REPROCESSED ONLY FOR THE INTERVAL 6977 TO 10771. HOWEVER, THE WHOLE OF LINE 6 IS INCLUDED IN THIS FILE.
#

USR$NSP:[NSP3.UK]S101FD.ASC

#NAME: AGSO SURVEY 101, SOUTHERN CARNARVON
AREA: BARROW ISLAND/DAMPIER
ACQUISITION DATE: MAY 1991
VERSION OF: 10-MAY-1995
SOURCE FILE: S101AN.DAT
CONTENTS: STATION POSITION EVERY 10TH SHOT, WATER DEPTH, GRAVITY FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 18 58S, 21 47S, 113 04E, 117 16E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP.
ADDITIONAL NOTES: SHOT TIMES ONLY AVAILABLE EVERY 10TH SHOT. SEISMIC DATA PROCESSED AT HGS
#

USR$NSP:[NSP3.UK]S101FDR.ASC

#NAME: AGSO SURVEY 101R, SOUTHERN CARNARVON (SEISMIC REPROCESSING)
AREA: BARROW ISLAND/DAMPIER
ACQUISITION DATE: MAY 1991
VERSION OF: 24-MAR-1995
SOURCE FILE: S101AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 18 58S, 21 47S, 113 04E, 117 17E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP.
STATION NUMBERS: RESEQUENCED TO MATCH SEISMIC DATA PROCESSED AT WESTERN GEOPHYSICAL.
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S105FD.ASC

#NAME: AGSO SURVEY 105, GREAT BARRIER REEF (JNOC)
AREA: GREAT BARRIER REEF
ACQUISITION DATE: OCT/NOV 1991
VERSION OF: 11-MAY-1995
SOURCE FILE: S105AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 24 48S, 26 38S, 153 09E, 153 58E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S106FD.ASC

#NAME: AGSO SURVEY 106, EAST ARAFURA
AREA: ARAFURA SEA
ACQUISITION DATE: NOV/DEC 1991
VERSION OF: 11-MAY-1995
SOURCE FILE: S106AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 09 08S, 11 33S, 132 37E, 137 45E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S107FD.ASC

#NAME: AGSO SURVEY 107, CHRISTMAS ISLAND
AREA: INDIAN OCEAN
ACQUISITION DATE: JAN 1992
VERSION OF: 12-MAY-1995
SOURCE FILE: S107AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 08 44S, 13 53S, 102 31E, 108 01E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S109FD.ASC

#NAME: AGSO SURVEY 109, PHILIPPINES
AREA: PHILIPPINES
ACQUISITION DATE: MAR/APR/MAY 1992
VERSION OF: 15-MAY-1995
SOURCE FILE: S109AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 13 46N, 00 01N, 118 43E, 123 18E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S110FD.ASC

#NAME: AGSO SURVEY 110, BARROW/DAMPIER
AREA: NORTH WEST SHELF
ACQUISITION DATE: JUN/JUL 1992
VERSION OF: 15-MAY-1995
SOURCE FILE: S110AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 17 53S, 21 34S, 111 01E, 119 01E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: RESEQUENCED TO MATCH SEISMIC DATA PROCESSED AT WESTERN GEOPHYSICAL
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S114FD.ASC

#NAME: AGSO SURVEY 114, SOUTH LORD HOWE RISE
AREA: TASMAN SEA
ACQUISITION DATE: NOV 1992
VERSION OF: 15-MAY-1995
SOURCE FILE: S114AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 31 45S, 37 44S, 159 26E, 169 43E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S116FDA.ASC

#NAME: AGSO SURVEY 116A, TIMOR SEA TIE
AREA: TIMOR SEA
ACQUISITION DATE: FEB/MAR 1993
VERSION OF: 22-JUL-1993
SOURCE FILE: S116AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
FOR LINES 1 TO 10
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 09 23S, 12 37S, 124 52E, 128 35E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: RESEQUENCED TO MATCH SEISMIC DATA PROCESSED AT WESTERN GEOPHYSICAL.
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S116FDB.ASC

#NAME: AGSO SURVEY 116B, MALITA GRABEN
AREA: TIMOR SEA
ACQUISITION DATE: FEB/MAR 1993
VERSION OF: 07-APR-1994
SOURCE FILE: S116AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
FOR LINES 11 TO 16
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 09 23S, 11 34S, 128 03E, 129 46E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY
METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED
FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND
TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ
ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES
DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED.
CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED
USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO
1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS
TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN
CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF
FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S118FDA.ASC

#NAME: AGSO SURVEY 118A, MALITA GRABEN
AREA: TIMOR SEA
ACQUISITION DATE: MAY 1993
VERSION OF: 07-APR-1994
SOURCE FILE: S118AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
FOR LINES 1-17
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 09 02S, 11 09S, 128 04E, 132 50E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: LINE PARTS MERGED AND STATION NUMBERS RESEQUENCED
ADDITIONAL NOTES: SEE OPERATIONAL REPORT AGSO RECORD 1993/47 FOR FURTHER INFORMATION INCLUDING MAGNETOMETER SENSOR DISTANCE ASTERN.
#

USR$NSP:[NSP3.UK]S118FDB.ASC

#NAME: AGSO SURVEY 118B, TIMOR SEA TIE
AREA: TIMOR SEA
ACQUISITION DATE: MAY 1993
VERSION OF: 04-MAY-1994
SOURCE FILE: S118AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
FOR LINES 18-21
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 11 25S, 13 39S, 124 29E, 129 00E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY
METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED
FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND
TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ
ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES
DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED.
CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED
USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO
1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS
TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN
CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF
FIRST GROUP
STATION NUMBERS: LINE PARTS MERGED AND STATION NUMBERS RESEQUENCED
ADDITIONAL NOTES: SEE OPERATIONAL REPORT AGSO RECORD 1993/47 FOR FURTHER
INFORMATION INCLUDING MAGNETOMETER SENSOR DISTANCE ASTERN.
#

USR$NSP:[NSP3.UK]S119FD.ASC

#NAME: AGSO SURVEY 119, BROWSE BASIN
AREA: TIMOR SEA / NORTHEAST INDIAN OCEAN
ACQUISITION DATE: JUN/JUL 1993
VERSION OF: 16-MAY-95
SOURCE FILE: S119AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 12 28 S, 16 24 S, 119 40 E, 124 55 E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: LINE PARTS MERGED AND STATION NUMBERS RESEQUENCED
ADDITIONAL NOTES: GRAVITY DATA HAS PERIODS OF EXCESSIVE NOISE.
#

USR$NSP:[NSP3.UK]S120FD.ASC

#NAME: AGSO SURVEY 120 SOUTHERN NORTH WEST SHELF
AREA: OFFSHORE CANNING BASIN
ACQUISITION DATE: JUL/AUG 1993
VERSION OF: 16-MAY-1995
SOURCE FILE: S120AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 15 25S, 19 36S, 116 10E, 122 03E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: LINE PARTS MERGED AND STATION NUMBERS RESEQUENCED
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S122FD.ASC

#NAME: AGSO SURVEY 122 SAHUL SHOALS
AREA: TIMOR SEA
ACQUISITION DATE: OCT/NOV 1993
VERSION OF: 11-AUG-1994
SOURCE FILE: S122AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9S TO FILL THE FIELD
FILE LIMITS: 11 5S, 11 57S, 124 10E, 125 31E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S124FDA.ASC

#NAME: AGSO SURVEY 124, MACQUARIE RIDGE (DEEP SEISMIC LINES)
AREA: MACQUARIE RIDGE, SOUTHERN OCEAN
ACQUISITION DATE: JAN/FEB 1994
VERSION OF: 01-JUL-1994
SOURCE FILE: S124AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
FOR LINES 59,60 AND 61
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 54 09S, 56 30S, 156 29E, 160 52E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES:THIS FILE CONTAINS DEEP SEISMIC LINES 59,60 AND 61
#

USR$NSP:[NSP3.UK]S124FDB.ASC

#NAME: AGSO SURVEY 124, MACQUARIE RIDGE (HIGH RESOLUTION SEISMIC)
AREA: MACQUARIE RIDGE, SOUTHERN OCEAN
ACQUISITION DATE: JAN/FEB 1994
VERSION OF: 04-JUL-1994
SOURCE FILE: S124AN.DAT
CONTENTS: STATION POSITION, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 49 21S, 57 03S, 155 47E, 165 35E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES:THIS FILE CONTAINS HIGH RESOULUTION SEISMIC LINES.
LINES 10, 5501 AND LINE 54, SP 136 TO 2942 ARE MISSING FROM THIS FILE.
THE SHOT POINTS OF THESE LINES WERE NOT RECORDED DURING ACQUISITION.
#

USR$NSP:[NSP3.UK]S127FD.ASC

#NAME: AGSO SURVEY 127, PGS-NOPEC SURVEY ETS-94
AREA: SOUTH ENDERBY TERRACE
ACQUISITION DATE: APR/MAY 1994
VERSION OF: 24-OCT-1994
SOURCE FILE: S127AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL 84
GENERIC FORMAT: (A16,I7,2X,2I2,F4.1,A1,I3,I2,F4.1,A1,I8,8X,I5,I3,3I2,I6)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 20 19S, 20 51S, 115 41E, 116 27E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN AT SOURCE
STATION NUMBERS: AS RECORDED EXCEPT LINES 2101 AND 2100 MERGED AND RESEQUENCED AS LINE 21
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S128FD.ASC

#NAME: AGSO SURVEY 128, NORTHWEST MARGIN TRANSECTS
AREA: EXMOUTH PLATEAU
ACQUISITION DATE: JUN/JUL 1994
VERSION OF: 04-JUL-1995
SOURCE FILE: S128AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, GRAVITY FIELD, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 12 28S, 19 22S, 111 38E, 121 26E
GRAVITY DATA: GRAVITY FIELD MEASURED USING BODENSEEWERK KSS31 MARINE GRAVITY METER. 10 SEC DATA WAS DESPIKED, SUB-SAMPLED TO 1 MINUTE VALUES, CORRECTED FOR EOTVOS EFFECT, SMOOTHED WITH A 15 MIN PERIOD SINC FUNCTION FILTER, AND TIED TO DATUM. 1 MINUTE PHASE LAG HAS BEEN CORRECTED.
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: LINE PARTS MERGED AND STATION NUMBERS RESEQUENCED
ADDITIONAL NOTES:
#

USR$NSP:[NSP3.UK]S130FD.ASC

#NAME: AGSO SURVEY 130, BROWSE BASIN INFILL
AREA: BROWSE BASIN
ACQUISITION DATE: JUL/AUG 1994
VERSION OF: 17-MAY-1995
SOURCE FILE: S130FD.DAT
CONTENTS: STATION POSITION, WATER DEPTH, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: ISOGAL84
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 11 19S, 15 35S, 120 43E, 125 19E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S135FD.ASC

#NAME: AGSO SURVEY 135, WALLABY PLATEAU (LAW OF THE SEA)
AREA: WALLABY PLATEAU
ACQUISITION DATE: SEP 1994
VERSION OF: 17-MAY-95
SOURCE FILE: S135AN.DAT
CONTENTS: STATION POSITION, WATER DEPTH, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: N/A
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 19 04S, 27 08S, 106 09E, 112 49E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: AS RECORDED IN THE FIELD
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S136FD.ASC

#NAME: AGSO SURVEY 136, CARNARVON TERTIARY TIE
AREA: CARNARVON BASIN
ACQUISITION DATE: OCT/NOV 1994
VERSION OF: 12-JAN-95
SOURCE FILE: S136PD.DAT
CONTENTS: STATION POSITION, WATER DEPTH
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 18 28S, 23 18S, 113 20E, 118 16E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
STATION NUMBERS: LINE PARTS MERGED AND STATION NUMBERS RESEQUENCED
ADDITIONAL NOTES: NONE
#

USR$NSP:[NSP3.UK]S137FD.ASC

#NAME: AGSO SURVEY 137, OTWAY BASIN
AREA: OTWAY BASIN
ACQUISITION DATE: NOV/DEC 1994, JAN 1995
VERSION OF: 21-APR-1995
SOURCE FILES: S137FD.DAT, S151FD.DAT
CONTENTS: STATION POSITION, WATER DEPTH, TOTAL MAGNETIC FIELD
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 36 37S, 41 26S, 137 31E, 143 44E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND 1500 M/S.
MAGNETIC DATA: DATA ACQUIRED AT 10-SEC INTERVALS WERE DE-SPIKED THEN SMOOTHED USING A 3-MINUTE PERIOD SINC FUNCTION FILTER. THE DATA WERE THEN SAMPLED TO 1-MINUTE VALUES AND INTERPOLATED TO THE CORRECTED SHOT TIMES. THE SENSOR WAS TOWED AT A NOMINAL DISTANCE OF 250M ASTERN, BUT THE DATA HAVE NOT BEEN CORRECTED FOR THIS OFFSET.
STATION POSITION: GIVEN MID-WAY BETWEEN CENTRE OF SOURCE AND CENTRE OF FIRST GROUP
ADDITIONAL NOTES: LINE 10 HAS BEEN SHOT WITH 4 GI GUNS WITH SOURCE DEPTH AT 5M. ALL OTHER LINES HAVE BEEN SHOT WITH SLEEVE GUN ARRAY.
#

USR$NSP:[NSP3.UK]S146FD.ASC

#NAME: AGSO SURVEY 146, SNEWIN 2D SEISMIC SURVEY FOR CULTUS PETROLEUM
AREA: OTWAY BASIN EPP-SA-1
ACQUISITION DATE: JAN 1995
VERSION OF: 27-MAR-1995
SOURCE FILE: S146PD.DAT
CONTENTS: STATION POSITION, WATER DEPTH
NAVIGATION: DIFFERENTIAL GPS
POSITION DATUM: WGS84
GRAVITY DATUM: N/A
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: JULIAN DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 37 02S, 37 22S, 139 38E, 139 51E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON 12 KHZ AND 3.5 KHZ ECHO-SOUNDERS. BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION FOR TRANSDUCER DEPTH WAS APPLIED. SPEED OF SOUND IN WATER 1500M/S
STATION POSITION: GIVEN AT SOURCE
STATION NUMBERS: FIELD ID NUMBERS USED IN THIS FILE EXCEPT FOR LINE 7 WHERE THE SHOT NUMBERS WERE RESEQUENCED AS FOLLOWS:
[100-391] -> [100-391] FOLLOWED BY [105-238] -> [393-526]
ADDITIONAL NOTES: FIELD LINE 146/000100 HAS BEEN RENAMED 146/08
#

USR$NSP:[NSP3.UK]S149FD.ASC

#NAME: AGSO SURVEY 149, PRYDZ BAY
AREA: ANTARCTICA
ACQUISITION DATE: FEB-APRIL 1995
VERSION OF: 15-MAY-1995
SOURCE FILE: S149FD.DAT
CONTENTS: STATION POSITION, WATER DEPTH
NAVIGATION: STANDALONE GPS
POSITION DATUM: WGS84
GRAVITY DATUM: N/A
GENERIC FORMAT: (A16,I7,2I2,F5.2,A1,I3,I2,F5.2,A1,I8,8X,I5,I3,3I2,I1,I5)
LINE NAME
SHOT POINT NUMBER
LATITUDE DEGREES
LATITUDE MINUTES
LATITUDE SECONDS
N/S HEMISPHERE FLAG
LONGITUDE DEGREES
LONGITUDE MINUTES
LONGITUDE SECONDS
E/W HEMISPHERE FLAG
GRAVITY FIELD IN MICROMETRES/SEC/SEC
WATER DEPTH IN METRES
TIME: DAY
TIME: HOUR
TIME: MINUTE
TIME: SECOND
TIME: TENTH OF SECOND
TOTAL MAGNETIC FIELD IN NTESLAS
BLANKS: GIVEN AS 9'S TO FILL THE FIELD
FILE LIMITS: 57 35S, 67 37S, 63 57E, 78 21E
WATER DEPTH DATA: DIGITAL VALUES DERIVED FROM RAYTHEON ECHO-SOUNDERS.
BAD DIGITALLY RECORDED VALUES WERE CORRECTED USING VALUES DERIVED
FROM ANALOGUE CHARTS. NO TIDAL OR MATTHEWS CORRECTIONS APPLIED. CORRECTION
FOR TRANSDUCER DEPTH WAS NOT APPLIED. SPEED OF SOUND WAS UNKNOWN.
STATION POSITION: GIVEN AT GPS ANTENNA
STATION NUMBERS: AS RECORDED IN THE FIELD
ADDITIONAL NOTES: NONE
#