

TR-0638

ACCESSION NUMBER

76-1905

DATA DOCUMENTATION FORM

DDF-B:2:15

TR0638

F017

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R2651

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED
Dr. Stanley Hayes
Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)
3711 - 15th Avenue N.E.
Seattle, WA 98105 (Telephone 206-442-4598)

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED
OCSEAP Research Unit # 138
(NEGGA-4)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
FILE ID # NS1646
NEGGA 4/SLS8(P106)/SLS9(P107)

4. PLATFORM NAME(S)
Discoverer
RP-4-DI-76A
LEA-4

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)
NOAA Ship

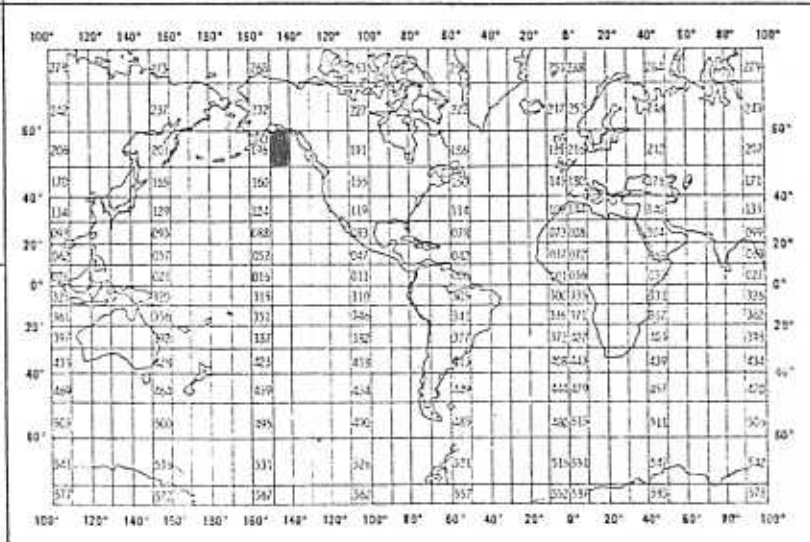
6. PLATFORM AND OPERATOR NATIONALITY(IES)
U.S.

7. DATES
FROM: MO/DAY/YR TO: MO/DAY/YR
03/03/76 05/14/76

8. ARE DATA PROPRIETARY?
[X] NO [] YES
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.
GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)
[X] NO [] YES [] PART (SPECIFY BELOW)



10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)
Dr. Stanley Hayes
(206) 442-4598

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
TIME/DATE	GMT	CRYSTAL CLOCK	N/A	N/A
PRESSURE	DBAR	P106 P107	PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED, DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION.	REPORTED VALUES REPRESENT AVERAGES OVER 15 MIN.
TEMPERATURE	DEGREES, C	THERMISTOR	SAME AS FOR	PRESSURE

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 AND METHOD OF IDENTIFYING EACH RECORD TYPE

7/1/76

Four (4) record types; text record (1) which is optional, gauge master record I (2), gauge master record II (3), and detail record (4), differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

CHARACTERISTICS AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER NANCY SOREIDE 543-5276
 ADDRESS PMEL/NOAA, 3711-15TH NE, SEATTLE, WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>138 017 NS1606 FID</p> <p>DISCOVERER RP-4-DI-76A LEG 4</p> <p>76/03/03 - 76/05/14 HAYES, S</p> <p>7-TRACK, 800 BPI, EVEN PARITY, BCD</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>3000 VOL SER 9460</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

3. ATTRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="font-size: 2em; text-align: center;">13402 (1, NL)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="font-size: 1.5em; text-align: center;">4800</p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p style="font-size: 1.5em; text-align: center;">80</p>

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

7-1-76

RECORD NAME TEXT RECORD (OPTIONAL)

FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	
Gauge Number	11	5	Bytes	A5	
Text	16	20	Bytes	20A1	
Sequence Number	36	5	Bytes	I5	
Blank	41	10	Bytes	10X	
GAUGE MASTER RECORD I (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Gauge Number	11	5	Bytes	A5	
Latitude, Degrees	16	2	Bytes	I2	Analogous to NODC Station Number
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude, Degrees	23	3	Bytes	I3	Analogous to NODC Station Number
Minutes	26	2	Bytes	I2	
Hundredths of minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Depth of Pressure Gauge	31	5	Bytes	I5	Meters to tenths
Number of Detail Records	36	5	Bytes	I5	Indicates number of type '4' records following
Blank	41	10	Bytes	10X	

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

7-1-76

RECORD NAME GAUGE MASTER RECORD II (OPTIONAL)

FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth to Bottom	16	5	Bytes	I5	Whole meters
Meter Usage Sequence Number	21	3	Bytes	I3	Number of times meter has been used
Institution Code	24	2	Bytes	A2	NODC institution code
Location Name	26	6	Bytes	A6	OCSEP internal location code
Blank	32	19	Bytes	19X	
DETAIL RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Date,					
Year	16	2	Bytes	I2	Last two digits of year
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time,					
Hour	22	2	Bytes	I2	0-23
Minutes	24	2	Bytes	I2	0-59
Hundredths of Minutes	26	2	Bytes	I2	0-99
Total Pressure	28	8	Bytes	I8	Decibars XXXXX.XXX (unsigned, decimal not punched)
Sequence Number	36	5	Bytes	I5	Ascending numeric, used for sorting
Temperature	41	5	Bytes	I5	XX.XXX °C to thousandths
Blank	46	5	Bytes	5X	

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED (✓)	
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)		
THERMISTOR YSI44032 ON P106	FEB 75 OCT 75	NOIC		✓						
" ON P107	"	"		✓						
P106, P107	MAY 76	"					✓			

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

RECORD NAME TEXT RECORD (OPTIONAL)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING	
		NUMBER	UNITS			
File Type	1	3	Bytes	A3	Always '017'	
File Identification	4	6	Bytes	A6		
Record Type	10	1	Bytes	I1		Always '1'
Gauge Number	11	5	Bytes	A5		Analogous to NODC Station Number
Text	16	20	Bytes	20A1		Additional pertinent information
Sequence Number	36	5	Bytes	I5		Ascending numeric, used for sorting
Blank	41	10	Bytes	10X		

GAUGE MASTER RECORD I (REQUIRED)					
14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Gauge Number	11	5	Bytes	A5	
Latitude, Degrees	16	2	Bytes	I2	'N' or 'S'
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'E' or 'W'
Longitude, Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of minutes	28	2	Bytes	I2	Meters to tenths
Hemisphere	30	1	Bytes	A1	
Depth of Pressure Gauge	31	5	Bytes	I5	Indicates number of type '4' records following
Number of Detail Records	36	5	Bytes	I5	
Blank	41	10	Bytes	10X	

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

RECORD NAME GAUGE MASTER RECORD II (OPTIONAL)

2-1-76

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth to Bottom	16	5	Bytes	I5	Whole meters
Meter Usage Sequence Number	21	3	Bytes	I3	Number of times meter has been used
Institution Code	24	2	Bytes	A2	NODC institution code
Location Name	26	6	Bytes	A6	OCSEP internal location code
Blank	32	19	Bytes	19X	
DETAIL RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Date,					
Year	16	2	Bytes	I2	Last two digits of year
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time,					
Hour	22	2	Bytes	I2	0-23
Minutes	24	2	Bytes	I2	0-59
Hundredths of Minutes	26	2	Bytes	I2	0-99
Total Pressure	28	8	Bytes	I8	Decibars XXXXX.XXX (unsigned, decimal not punched)
Sequence Number	36	5	Bytes	I5	Ascending numeric, used for sorting
Temperature	41	5	Bytes	I5	XX.XXX °C to thousandths
Blank	46	5	Bytes	5X	

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

Four (4) record types; text record (1) which is optional, gauge master record I (2), gauge master record II (3), and detail record (4), differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

3. ATTRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____

ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p>
	<p>13. LENGTH OF BYTES IN BITS</p>

76-1905

DECIRARS. ANN TEMP. IN DEG. C = 0. 2. 2

4894 TOTAL DATA SCANS.

3	P106	99	13F	10847	2	467	00000
4	P1067603032025			10847	4	44	00000
4	P1067603032055			10878	6	49	00000
4	P1067603032125			10907	8	51	00000
4	P1067603032155			10931	10	50	00000
4	P1067603032225			10949	12	50	00000
4	P1067603032255			10961	14	50	00000
4	P1067603032325			10963	16	50	00000
4	P1067603032355			10958	18	50	00000
4	P1067603032325			10946	20	50	00000
4	P106760304 025			10924	22	50	00000
4	P106760304 125			10898	24	50	00000
4	P106760304 145			10869	26	50	00000
4	P106760304 225			10837	28	51	00000
4	P106760304 255			10805	30	51	00000
4	P106760304 325			10777	32	51	00000
4	P106760304 355			10753	34	51	00000
4	P106760304 425			10734	36	51	00000
4	P106760304 455			10724	38	51	00000
4	P106760304 525			10722	40	51	00000
4	P106760304 555			10727	42	51	00000
4	P106760304 625			10741	44	51	00000
4	P106760304 655			10762	46	51	00000
4	P106760304 725			10789	48	51	00000
4	P106760304 755			10820	50	51	00000
4	P106760304 825			10853	52	51	00000

017

SDF1 001204

SDF2 001435

ANST

TR 49, 129, 567, 596-598, 638, 641, 1295, 1296, 1318, 1319,
177, 178, 2085, 3078, 3493-3495, 5345-5349

320, 194

accession no: 76-1905

T
R
O
O
6
3
8

ACCESSION NUMBER 76-1905

File 017

1 OMCS NUMBER INDATE
INITIALS 9460 OUTDATE

~~2 FATS INDATE
INITIALS OUTDATE~~

3 BACK-UP INDATE
INITIALS 6418 OUTDATE 2/14
EA

4 CHECK INDATE Mar 1, 77
INITIALS OUTDATE MAR 16, 1977
EA

5 USERTAPE 13402 INDATE 4-15
INITIALS OUTDATE 4-20
JR

6 NAPS COUNT 13402 INDATE 4/21/77
INITIALS OUTDATE
AB

7 ODF EVAL INDATE
INITIALS OUTDATE

8 DIP INDATE
INITIALS OUTDATE

9 CRUNCH TAPES INDATE
INITIALS OUTDATE

10 FINAL INDATE

12/28/76

NOSTREL

Institution PMEL/ERL/NOAA
Data Description Pressure Gauge
Project OCSEAP Research Unit # 138 (NEGOR-4)
Platform Type/Name ship/Discoverer
Cruise I.D. RP-4-DI-76A Leg 4
Start/End Dates 03/03/76 05/14/76
Geographic Area/MSQ MSA 195

Processor PIPE
Processing Method _____
Assignment Date _____ Completion Date _____
Status of Data Set _____

Source Material DDF, listing, Tape
File Type 017 File I.D. NS1606
Tape No./Label/ DCB 9460 No. of Stations _____
Originator ~~NS1606~~
User 13402
DIP 13402
GIFT _____

Dictionary Job Name _____
NAPIS Job Name DCNT1905
CHECK Job Name DEHK1905

EDBD Date and Initials _____

Comments _____