

DDF A:1:04

DATA DOCUMENTATION FORM

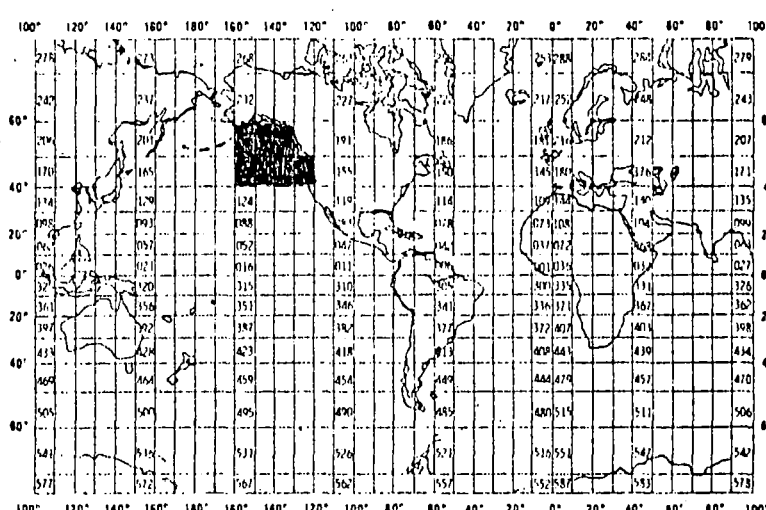
TR0154-5

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM 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 George C. Anderson Ph: 543-5086 Ronald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File ID # VIT USR File 1/19	
4. PLATFORM NAME(S) R.V. Vityaz	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) USSR USSR	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 581014 581204 690506 690616
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Eastern Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

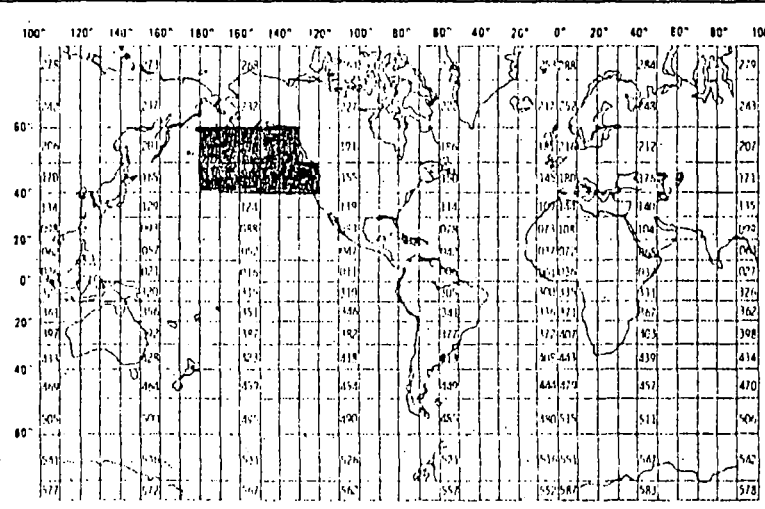
TR0156-9

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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George C. Anderson Ph: 543-5086 Ronald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP - R.V. #58		File ID. # = OSM JAP File 2/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
R.V. Osoro Maru	Ship	PLATFORM OPERATOR JAPAN JAPAN	FROM: MO/DAY/YR TO: MO/DAY/YR 590625 700724
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Eastern Subarctic Pacific GENERAL AREA	
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DATA DOCUMENTATION FORM

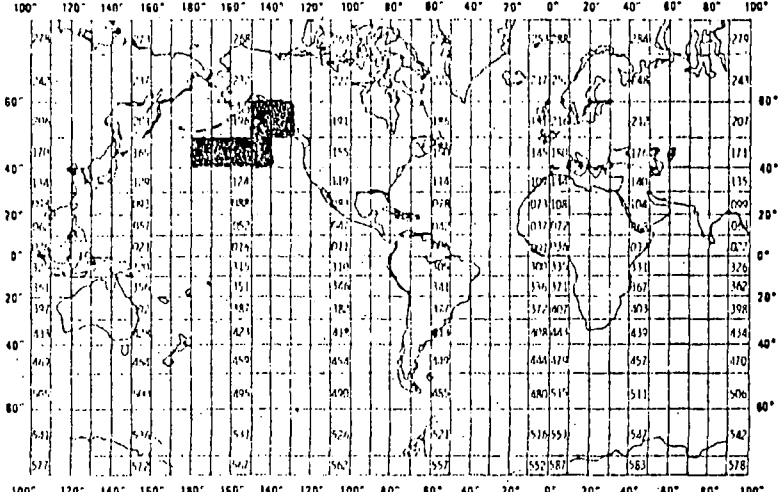
TRØ16Ø-2

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED George C. Andersen Ph: 543-5086 Ronald K. Lam Ph: 543-0167 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSWAP - R.V. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D. # HAN JAP File 3/19	
4. PLATFORM NAME(S) R.V. Hakuhō- Maru	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) JAPAN JAPAN	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 690823 690828 700520 700535 740516 740520
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Eastern Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

ACCESSION
NUMBER

76-1768

DATA DOCUMENTATION FORM

TR0163-83
TR095P-66

UAA FORM 24-13
(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

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

George C. Anderson Ph: 543-5086
Ronald K. Lam Ph: 543-0117
Department of Oceanography
University of Washington
Seattle, Washington 98195

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

OCSEAP - R.U. #58

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

File ID# STPCAN

File 4/19

4. PLATFORM NAME(S)

C.G.S. St. Catharines
C.G.S. Vancouver

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

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM

OPERATOR

7. DATES

FROM: MO, DAY, YR

TO: MO, DAY, YR

CANADA

CANADA

590715

671020

8. ARE DATA PROPRIETARY?

☒ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED
FOR GENERAL USE? YEAR MONTH

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

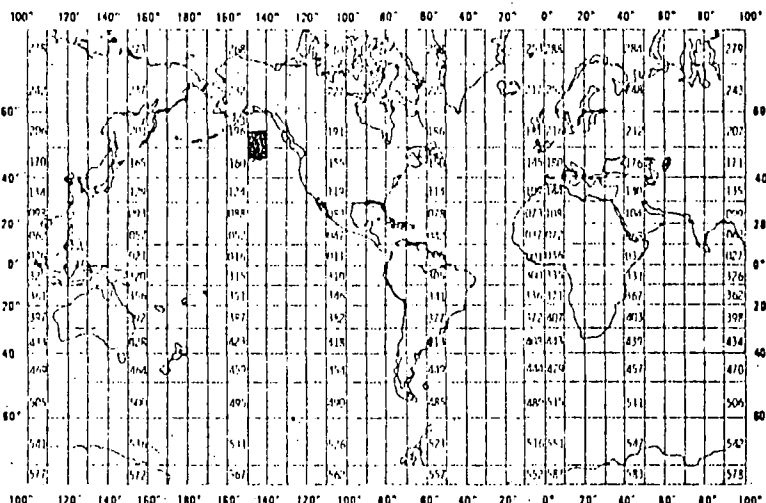
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

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

Eastern Subarctic Pacific

GENERAL AREA



DATA DOCUMENTATION FORM

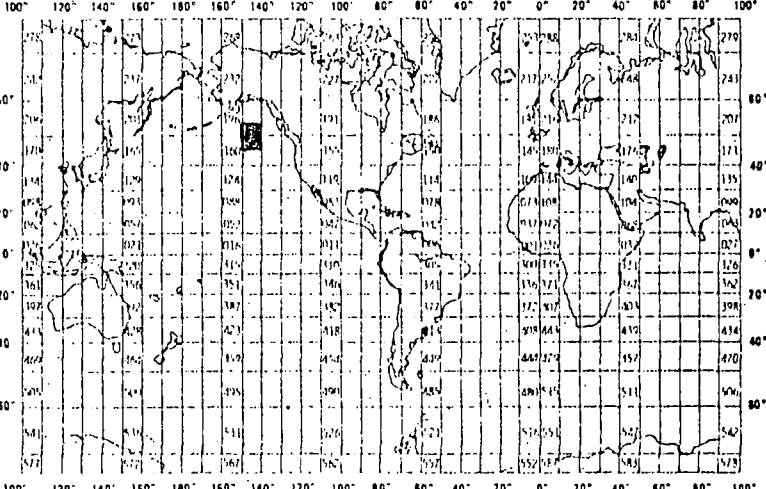
TR 0967-83

NOAA FORM 24-13
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NATIONAL OCEANOGRAPHIC DATA CENTER
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ROCKVILLE, MARYLAND 20852FORM APPROVED
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSEAP - R.U. #58		File I.D. # SPA CAN File 5/19	
4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
CCGS Quadra CCGS Vancouver	Ship	PLATFORM OPERATOR CANADA CANADA	FROM: MO/DAY/YR TO: MO/DAY/YR 680227 700920
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Easton Subarctic Pacific GENERAL AREA	
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DATA DOCUMENTATION FORM

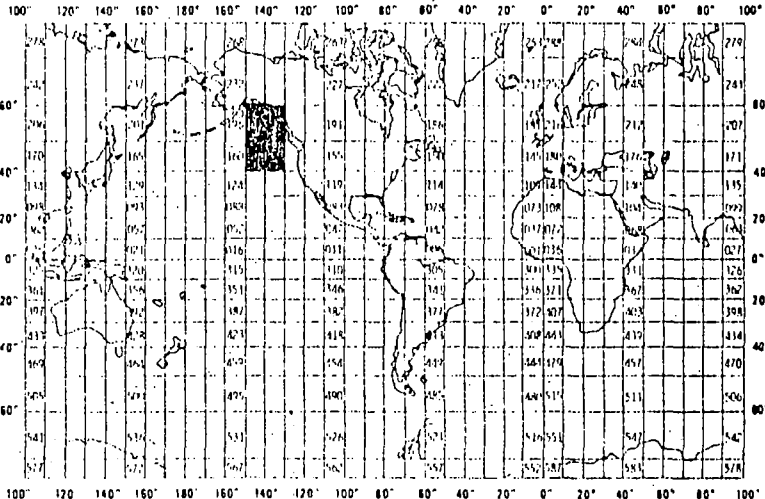
TR 0984-5

NOAA FORM 24-13
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4. PLATFORM NAME(S) CNAV Oshawa	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td>CANADA</td><td>CANADA</td></tr></tbody></table>	PLATFORM	OPERATOR	CANADA	CANADA	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>6/07/04</td><td>6/20/20</td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	6/07/04	6/20/20
PLATFORM	OPERATOR										
CANADA	CANADA										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
6/07/04	6/20/20										
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Eastern Subarctic Pacific GENERAL AREA									
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)											

DATA DOCUMENTATION FORM

TE0986

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D.# GBR 164 File 7/19	
4. PLATFORM NAME(S) G.B. Reed	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) Canada Canada	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 640107 640207
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Eastern Subarctic Pacific GENERAL AREA	
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DATA DOCUMENTATION FORM

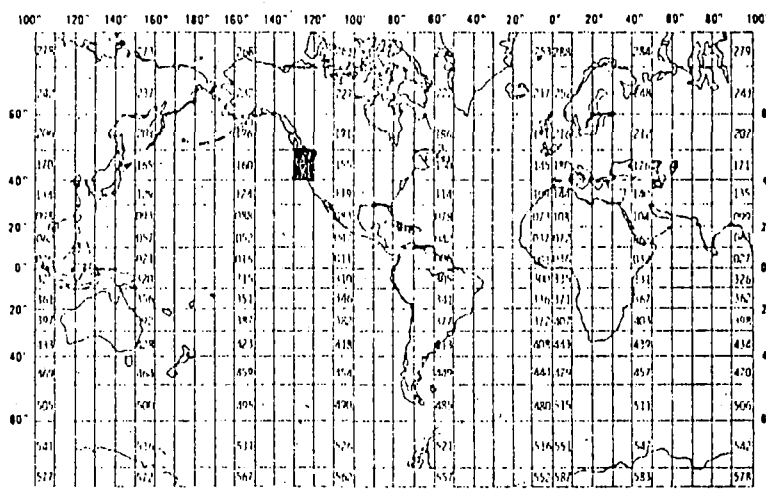
TRD987

NOAA FORM 24-13
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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSMAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D. # STRGEØ File 8/19	
4. PLATFORM NAME(S) NP (not published) UNKNOWN	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) CANADA CANADA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 660202 660916
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Strait of Georgia GENERAL AREA	
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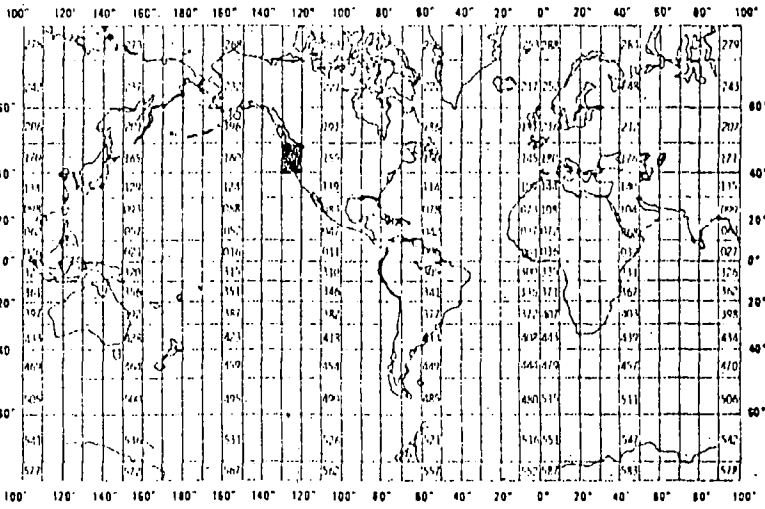
TR09888

NOAA FORM 24-13
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4. PLATFORM NAME(S) CNAV Deperim Barge YBD3	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) Canada Canada	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 6/6/53 6/6/723
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Seamich Inlet. GENERAL AREA	
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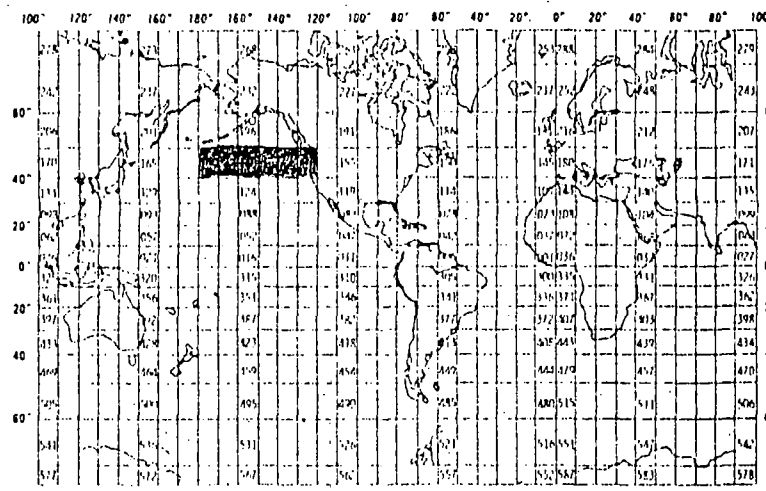
TR0989

NOAA FORM 24-13
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4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
RV Endeavour	Ship	Canada Canada	FROM: MO/DAY/YR TO: MO/DAY/YR
			690318 690430
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Subarctic Pacific GENERAL AREA	
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10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE- PHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

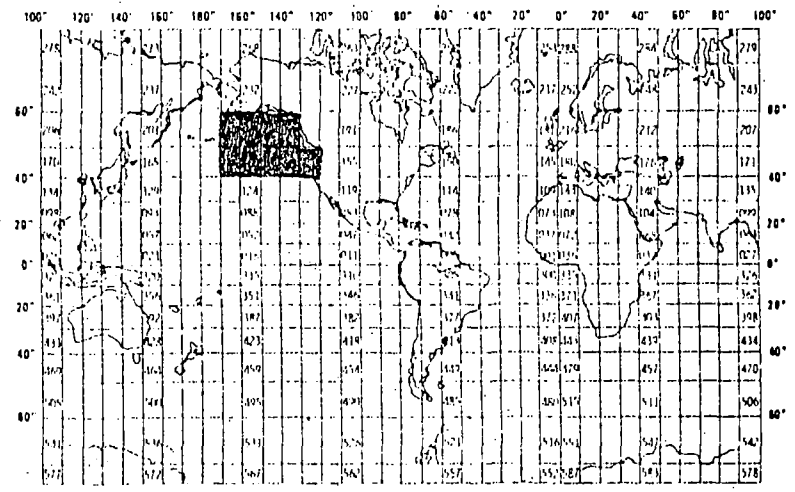
TR0990-1

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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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 George C. Anderson Ph: 543-5006 Ronald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D.# BRB ILSA File #/19	
4. PLATFORM NAME(S) R.V. Brown Bear	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 580701 590728
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (ONP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

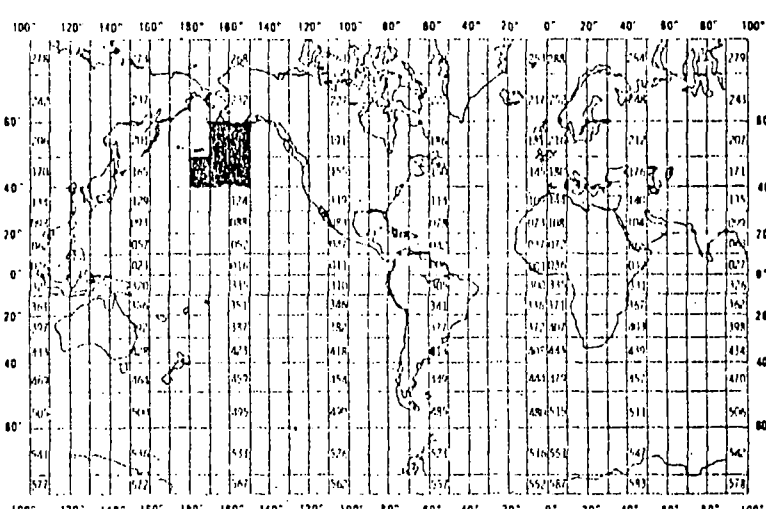
TR0992

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED George C. Anderson Ph: 543-5086 Ronald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSFAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File ID# HMS 046 File 12/19									
4. PLATFORM NAME(S) Hugh M. Smith	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td><td>580802</td><td>580903</td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	USA	USA	580802	580903
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR								
USA	USA	580802	580903								
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Central Subarctic Pacific GENERAL AREA									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)											
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)											

DATA DOCUMENTATION FORM

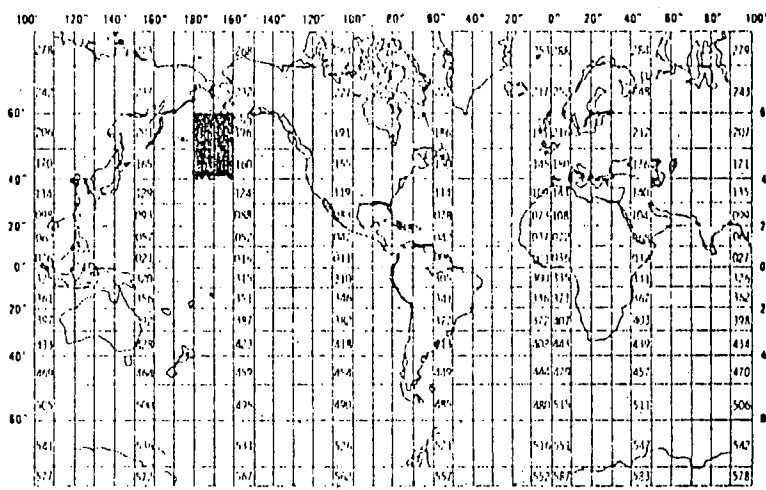
TR0993

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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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 George C. Anderson Ph: 513-5086 Ronald K. Lam Ph: 513-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCEANAP - E.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D.# PNN 066 File 13/19	
4. PLATFORM NAME(S) U.S.C. & G.S. Ship Pioneer	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S.A. U.S.A.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 6/09/20 6/10/04
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Central Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

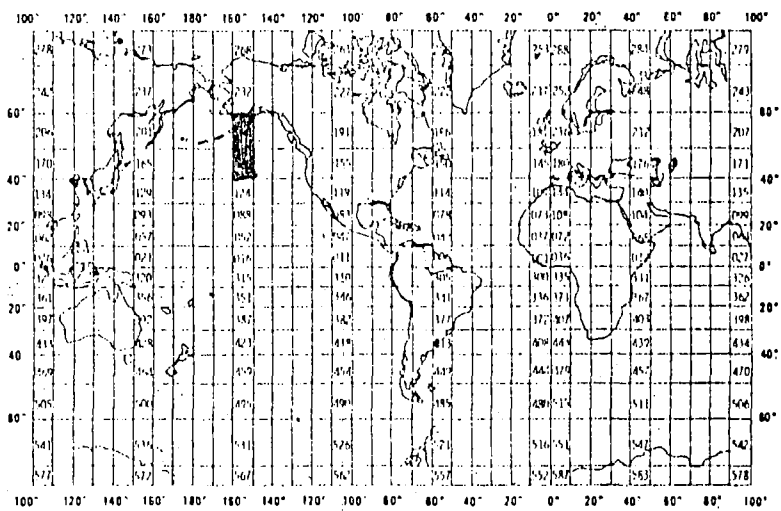
TR0994

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED George C. Anderson Ph: 543-5086 Ronald K. Iam Ph: 543-0117 Department of Oceanography University of Washington Seattle, Washington 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D. # AGURSA File 14/19	
4. PLATFORM NAME(S) R.V. Alexander Agassiz	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR FROM: MO/DAY/YR TO: MO/DAY/YR USA USA 640825 640904	
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. 155°W Meridian - North Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

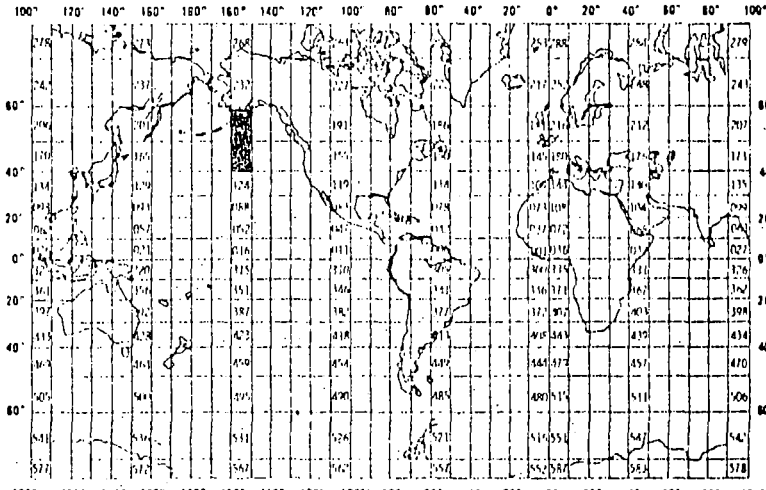
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NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FILE ID. # AREZET File 15/19									
4. PLATFORM NAME(S) R.V. Argo	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR 7. DATES NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td>USA</td><td>USA</td><td>660118</td><td>660124</td></tr></tbody></table>		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR	USA	USA	660118	660124
PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR								
USA	USA	660118	660124								
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. 155th Meridian - North Pacific GENERAL AREA									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)											
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)											

DATA DOCUMENTATION FORM

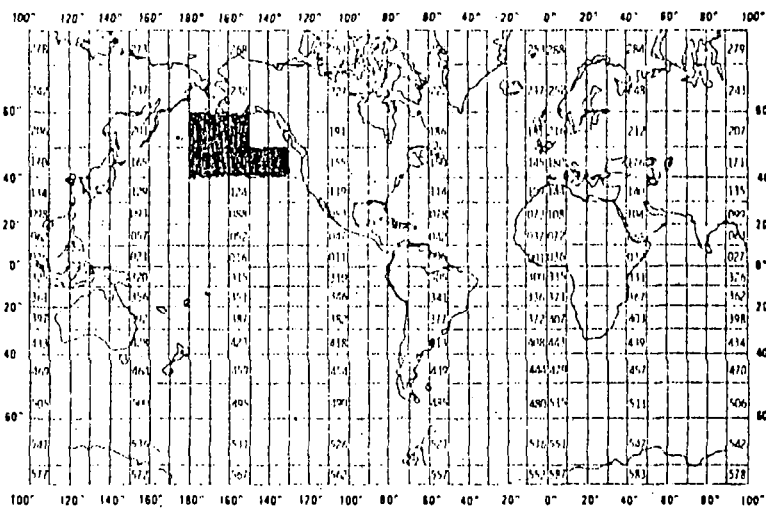
TR0996-1403

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSMAP - R.U. #58		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File I.D.# KEL USA File 16/19	
4. PLATFORM NAME(S) R/V. George B. Kelez	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 660318 680515
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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. Subarctic Pacific GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

DATA DOCUMENTATION FORM

TR1004

IOAA FORM 24-13
4-721U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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George C. Anderson Ph: 543-5086
Ronald K. Lam Ph: 543-0147
Department of Oceanography
University of Washington
Seattle, Washington 98195

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

OCSEAP - R.V. #58

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

File I.D.# PAR 266

File 17/19

4. PLATFORM NAME(S)

MV Paragon

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

Ship

6. PLATFORM AND OPERATOR 7. DATES

NATIONALITY(IES)

PLATFORM

OPERATOR

FROM: MO/DAY/YR

TO: MO/DAY/YR

USA

USA

660610

660621

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF YES, WHEN CAN THEY BE RELEASED
FOR GENERAL USE? YEAR MONTH

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

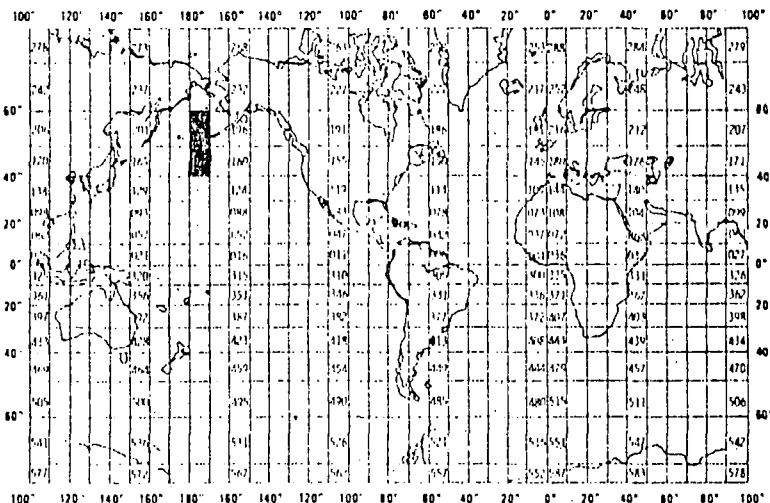
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

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

Central Subarctic Pacific

GENERAL AREA



ACCESSION
NUMBER

76-1768

DATA DOCUMENTATION FORM

TR1005-9

IOAA FORM 24-13
4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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George C. Anderson Ph: 543-5086
Donald K. Lam Ph: 543-0147
Department of Oceanography
University of Washington
Seattle, Washington 98195

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

OCSEAP - L.U. #58

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

File ID # TGT ILSA

File 18/19

4. PLATFORM NAME(S)

RV. Thomas G.
Thompson

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

Ship

6. PLATFORM AND OPERATOR
NATIONALITY(IES)

USA

USA

7. DATES

FROM: MO/DAY/YR TO: MO/DAY/YR

670205

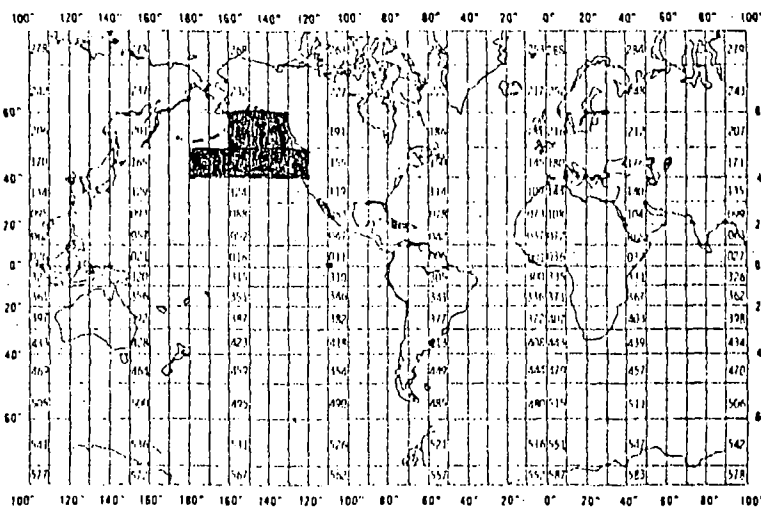
710125

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF YES, WHEN CAN THEY BE RELEASED
FOR GENERAL USE? YEAR MONTH9. ARE DATA DECLARED NATIONAL
PROGRAM (DNP)?(I.E., SHOULD THEY BE INCLUDED IN WORLD
DATA CENTERS HOLDINGS FOR INTERNA-
TIONAL EXCHANGE?)☒ NO ☐ YES ☐ PART (SPECIFY BELOW)10. PERSON TO WHOM INQUIRIES CONCERNING
DATA SHOULD BE ADDRESSED WITH TELE-
PHONE NUMBER (AND ADDRESS IF OTHER
THAN IN ITEM-1)11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA
CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

Eastern Subarctic Pacific

GENERAL AREA



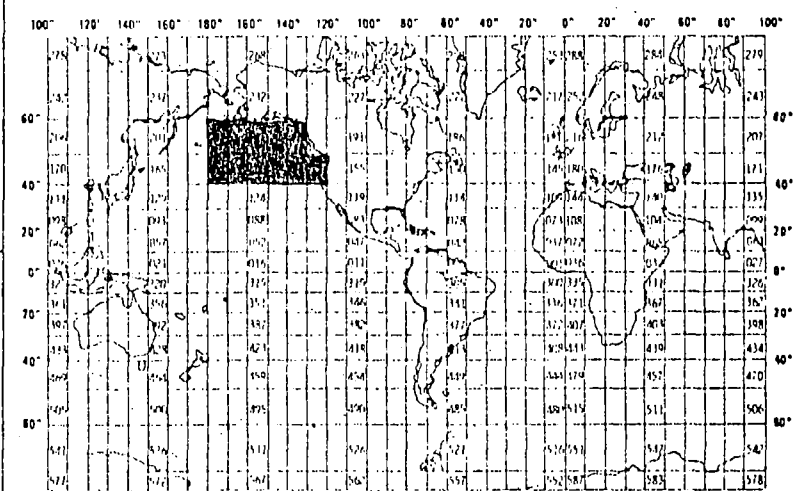
DATA DOCUMENTATION FORM

TR1010-1049
TR1054-1055AA FORM 24-13
(2)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
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George C. Anderson Ph: 543-5066 Ronald K. Lam Ph: 543-0147 Department of Oceanography University of Washington Seattle, Washington 98195			
EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
OCSRAP - R.U. #58		File I.D. # S00 USA File 19/19	
PLATFORM NAME(S)		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	
SDragon Mail SS Korean Mail SSAN Mail SS Alaska Mail SS Arctic Mail SS Japan Mail SS Philippine Mail SS India Mail SS Hong Kong Mail		Ship	
6. PLATFORM AND OPERATOR		7. DATES	
NATIONALITY(IES)		MO, DAY, YR	
PLATFORM OPERATOR		FROM TO	
USA USA		68 02 27 72 06 04	
ARE DATA PROPRIETARY?		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Eastern Subarctic Pacific	
IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		GENERAL AREA	
ARE DATA DECLARED NATIONAL PROGRAM (DNP)?		100° 120° 140° 160° 180° 160° 140° 120° 100° 80° 60° 40° 20° 0° 20° 40° 60° 80° 100°	
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)			
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)			

RECORD FORMAT DESCRIPTION

RECORD NAME FINE HEADER RECORD - PRIMARY PRODUCTIVITY

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '0'
Vessel	11	11	Bytes	A11	
Cruise	22	6	Bytes	A6	
Cruise Dates in GMT	28	17	Bytes	I2, 5 (A1,I2)	XX/XX/XX-XX/XX/XX Beginning year, month, day; Ending year, month, day;
Senior Scientist	45	19	Bytes	19A1	Left justified
Investigator/ Institution	64	17	Bytes	17A1	Left justified

RECORD FORMAT DESCRIPTION

2/20/76

RECORD NAME MASTER RECORD - PRIMARY PRODUCTIVITY

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 '029'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	5	Bytes	A5	
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Year	31	2	Bytes	I2	<div> Last two digits of year </div> <div> 1-12 </div> <div> 1-31 </div> <div> 0-23 </div> <div> 0-59 </div> <div> GMT </div>
Month	33	2	Bytes	I2	
Day	35	2	Bytes	I2	
Hour	37	2	Bytes	I2	
Minutes	39	2	Bytes	I2	
Time Zone	41	1	Bytes	A1	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	44	5	Bytes	I5	To Whole Meters
Chlorophyll a (Integrated)	49	4	Bytes	I4	To Tenths (mg m ⁻²)

RECORD FORMAT DESCRIPTION

2/20/76

RECORD NAME MASTER RECORD (CONTINUED) Primary Productivity

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Phaeopigments (Integrated)	53	4	Bytes	I4	To Tenths (mg m^{-2})
Carbon Assimilation (Integrated)	57	5	Bytes	I5	To Tenths ($\text{mg C m}^{-2} \text{ Day}^{-1}$)
One Percent Light Depth	62	3	Bytes	I3	To Whole Meters
Phosphate $\text{PO}_4\text{-P}$ Reactive time	65	2	Bytes	I2	To Whole Minutes
pH Scale	67	1	Bytes	I1	1 = NBS pH scale 2 = Sorensen pH scale 3 = Hansson pH scale
In Situ Corrections for pH measurements	68	1	Bytes	I1	1 - Temperature and pressure correction have been made. 2 - No corrections made.
SECCHI Depth	69	2	Bytes	I2	To Whole Meters
Mixed Layer Depth	71	3	Bytes	I3	To Whole Meters
Light Level (Aboard Platform)	74	3	Bytes	I3	Langleys/Day
Blank	77	4	Bytes	4X	

RECORD FORMAT DESCRIPTION

2/20/76

RECORD NAME DETAIL RECORD - PRIMARY PRODUCTIVITY

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 '029'
File Identifier	4	6	Bytes		
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	5	Bytes		
Depth of Sample	16	4	Bytes	I3 I4	To Tenths of Meters
Chlorophyll <u>a</u> Concentration	20	4	Bytes	I4	To Hundredths (mg m ⁻³)
Phaeopigment Concentration	24	4	Bytes	I4	To Hundredths (mg m ⁻³)
Carbon Assimilation	28	5	Bytes	I5	To Hundredths (mg C m ⁻³ hr ⁻¹)
Elapsed Time of Incubation	33	4	Bytes	I4	2 bytes hours, 2 bytes minutes
Oxygen	37	4	Bytes	I4	To Hundredths (ml/l)
Phosphate, PO ₄ -P (inorganic)	41	3	Bytes	I3	To Hundredths (μg-at/l)
Ammonia NH ₃ -N	44	3	Bytes	I3	To Tenths (μg-at/l)
Nitrate NO ₃ -N	47	3	Bytes	I3	To Tenths (μg-at/l)
Nitrite NO ₂ -N	50	3	Bytes	I3	To Hundredths (μg-at/l)
Silicate SiO ₃ -Si	53	5	Bytes	I5	To Hundredths (μg-at/l)
pH	58	3	Bytes	I3	To Hundredths
Alkalinity, total	61	4	Bytes	I4	To Thousandths (meq/l)
Temperature	65	4	Bytes	I4	To Hundredths (°C)
Salinity	69	4	Bytes	I4	To Hundredths (‰)
Blank	73	4	Bytes	4X	
Sequence Number	78	3	Bytes	I3	

PRIMARY PRODUCTIVITY

FILE TYPE	FILE IDENTIFIER	VESSEL	CRUISE	START DATE (G.M.T.)			END DATE (G.M.T.)			SENIOR SCIENTIST	INVESTIGATOR/INSTITUTION
				YR	MO	DY	YR	MO	DY		
(029)											

FILE TYPE	FILE IDENTIFIER	STATION NUMBER	LATITUDE				LONGITUDE				DATE (G.M.T.)			TIME (G.M.T.)			BOTTOM DEPTH (METERS)	CHLOROPHYLL a (mg m ⁻³)	PHAEOPIGMENT (mg m ⁻³)	CARBON ASSIMILATION (mg C m ⁻³ h ⁻¹)	S _{OC} LIGHT DEPTH (M)	P _{OC} DEPTH (M)	S _{OC} TIME (H)	P _{OC} TIME (H)	MIXED LAYER DEPTH (M)	PLANKTON LIGHT LEVEL	BLANK		
			DEC	MIN	SEC	IN	SEC	MIN	SEC	HR	MIN	SEC	HR	MIN	SEC														
(029)																													

FILE TYPE	FILE IDENTIFIER	STATION NUMBER	SAMPLE DEPTH (M to 1/10)	CHLOROPHYLL a CONC. (MG M ⁻³)	PHAEOPIGMENT CONC. (MG M ⁻³)	CARBON ASSIMILATION (MG C M ⁻³ H ⁻¹)	ELAPSED TIME OF INCUBATION		OXYGEN CONC. (ML/L to 1/10)	PO ₄ CONC. (MG/L to 1/10)	NH ₃ CONC. (MG/L to 1/10)	NO ₃ CONC. (MG/L to 1/10)	NO ₂ CONC. (MG/L to 1/10)	SiO ₂ CONC. (MG/L to 1/10)	pH	ALKALINITY CONC.	TEMPERATURE	SALINITY	BLANK	SE- SURGE
							HR	MIN												
(024)																				

PUNCH CARD TRANSCRIPT

to 1/100

3/21/76

D. INSTRUMENT CALIBRATION

SØØ USA

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 (✓)	<u>BEFORE</u> OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Spectrophotometer Beckman DK-2a	NA	✓			✓				
Liquid scintillation spectrometer Packard 3310	1968	✓		rough checks				✓	
Autoanalyzer Technicon	NA	✓			✓				
Salinometer induction U. of Washington	NA								



Elaine

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES
Outer Continental Shelf Environmental
Assessment Program

Bering Sea-Gulf of Alaska Project Office
P. O. Box 1808
Juneau, Alaska 99802
PH: 907-586-7432

Date : December 13, 1976

to : Jim Audet, EDS Data Coordinator
National Oceanographic Data Center

from : Francesca M. Cava, Assistant Data Manager
NOAA/OCSEAP - Juneau Project Office *FM Cava*

subject: Data Errors, R.U. 58.

Enclosed please find a list of data errors sent to us by Beatrice Booth. These errors apply to the magnetic tape labelled Tape #1 forwarded to you by me on October 28, 1976. May I recommend that you keep this list on file with that data's documentation until the entire data set is resubmitted on March 30. That way anyone requesting data retrieval before the data resubmission will be apprised of the errors.

cc: B. Booth
S. Andersen

Enclosure

W.P.S. 76-1768



UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Oceanography
Cable Address: UNWADO

RECEIVED
DEC 03 1976
NEGOA

To: Mauri J. Peltó
Data Manager, CCSFAP
PO Box 1808
Juneau

From: Beatrice Booth
RU # 58

Enclosed please find the errors to date
on Tape #1 CCSFAP RU # 58. The correct values
only are listed on the sheet. Comparison with the
printout will show the erroneous values.

CORRECTIONS TO
TAPE #1 OCSEAP RU# 58

NOV 30, 1976

FILE	BLOCK	FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	SAMPLE DEPTH	CORRECT	VALUES (decimals are implied)		
							Columns 20-23		Columns 37-40	
3	2	029	HAMSAP	2	02022	0000	blank		06.91	A systematic correction. Oxygen values were recorded in the chlorophyll columns.
						0240	blank		07.03	
						0480	blank		06.93	
						0730	blank		06.90	
						0970	blank		06.83	
						145.0	blank		05.23	
						173.0	blank		03.30	
						287.0	blank		02.01	
						384.0	blank		01.25	
						479.0	blank		00.91	
						574.0	blank		00.58	
						670.0	blank		00.55	
						766.0	blank		00.42	
						433.0	blank		01.08	
						528.0	blank		00.70	
						721.0	blank		00.44	
						915.0	blank		00.39	
6	1	029	OHICAN	2	61010	005.0	blank		no change	A systematic correction. Chlorophyll values were entered as zero instead of blanks
						010.0	blank			
						015.0	blank			
						020.0	blank			
						025.0	blank			
6	1	029	OHICAN	2	61011	005.0	blank			
						010.0	blank			
						015.0	blank			
						020.0	blank			
						025.0	blank			
19	25	029	SCOUA	2	39018	000.0	01.28			

CORRECTIONS TO TAPE #1 OCSEAP RU # 58

Nov 30, 1976

[illegible]

2/24

Call from Sid

76-1768
CorrectionsTrice Booth -

a) The following files coded in hundredths

✓ 1) VITUSR	✓ TR0154-TR0155	2
✓ 2) HAMJAP	✓ TR0160-TR0162	3
✓ 3) ACOSA	✓ TR1653-TR1688	6
✓ 4) STRGED	✓ TR0987	1
✓ 5) ENTRP	✓ TR0989	1
✓ 6) TGTUSA	✓ TR1005-TR1009	5

b) STRGED -

TR0987 STA 006A2 - Long = $124^{\circ}39.12'W$
 004A3 - Date = 660322
 004A5 - Date - correct as is 6603

c) Tape #1 - submitted in 029

3/31/76

RT2 - Phytoplankton data - 73-76

Desired data were to be removed

RT 3 - converted 7/22/76

* numbers in bytes 75-77 are
 zooplankton data - which shall be
blanked.

* CK salinity field in case of
 carry over of same part

Don't: ^{Don't} (200) 571-7617
M. Campbell
Andrew Lam - 029 Data - Perm Prod

① Are all ~~and~~ locations coded to hundredths
instead of seconds. — Which cruises (DDFs) ← TGT USA
VITUSR

② Extra digits in 75-77 - rec type 3?

OSM JAP PNN066

END TRP
HMS 046

20 Files

12/6.
Dean will check
in this

Missing posit

STRGED

STA 006A2

49350.6N

Also - corrected:

STRGED

4A1

660324

will change to

STA 4A3

660377

(27)

OK?

4A5

660323

(28)

4A7

660328

Most days appear to be sorted in order.

CORRECTIONS 76-1768

All record type '2' corrected to type '3'
and appropriate data shifts made to
agree with record '3' format

472 blank records removed

File ID's changed to TRACKS

In track TR0172, CDtype 3, station 10717,
sequence #2 - depth of sample 0/20
corrected to 0020.

In track TR0180, CDtype 3, station 30420
sequence #2 - depth of sample 0/30
corrected to 0030.

In track TR0998, CDtype 1, station 1705D
longitude hemisphere corrected from N to W

In track TR0998, CDtype 1, station 1712A
longitude hemisphere corrected from N to W

(2)

In track TR0999, CDtype 1, station 3725P
latitude hemisphere corrected from W to N

In all CDtype 1's the 'E' corrected to '+'

In first record of data set
UITGAZ corrected to VITYAZ.

In Track TR1009, CDtype 0,
OTPG Thompson corrected to OTG Thompson

In track TR0953, CDtype 3, station 41122,
Sequence #2 - depth of sample corrected
from 0630 to 0030.

In track TR0987, CDtype 1, station 0041A3
day corrected from 77 to 22 - see orig. correction.

In track TR0987, CDtype 1, station 0061A2
longitude 166612W. corrected to 12439W -
see orig. corrections

CORRECTIONS 76-1768

See orig. corrections — File IDs
 VITUSR, HAMJAP, STRGED, ENDTRP, TGTUSA,
 and ACOUSA — the seconds of latitude
 and longitude were coded in hundredths ^(of a minute)
 These hundredths ^(of a minute) were corrected
 to seconds (1-59).

In track TR0154, station #29064, CD type 1,
05810008 W corrected to 15810008 W.

For track TR0155 — station 45131 assigned
 twice. 2nd 45131 station corrected
 to 4513A

Deleted ^{a record} type 1, TR0175, station 20306.
 An identical record preceded this.

Deleted ^{a record} type 1, TR0175 station 20312.
 An identical record preceded this.

Grouped together appropriate detail
 records with master records of stations
 20306 and 20312, TR0175.

CORRECTIONS

76-1768

For TR0987, record type 3, station 006A2
depth of sample corrected from 010 to 0100

For TR0988, a record type 3, station 08B07,
chlorophyll A corrected from 015 to 0150.

For TR0992, a record type 3, station 00044,
Oxygen corrected from 0022 to 0220.

For track TR1683 - station 13101 assigned twice.
2nd 13101 station corrected to 1310A.

In track TR0167, a record type 3, station 00626
a salinity value 3273 moved from cols 70-73
to its correct field cols 71-74

In track TR0969, a record type 3, station 80815
a zero removed from col 49

In track TR0992, a record type 1, station 0098A
mixed layer value 03 corrected to 030

(5)

CORRECTIONS

76-1768

In track TR0997, a record type 3, station 3614D
a chlorophyll A value 002 corrected to 0020

In track TR1002, a record type 3, station 7701D
a 0 value in the nitrite field removed

In track TR1004, a record type 3, station 0009C
a 0 value in the temperature field removed

In track TR1687, a record type 3, station 28973
a value 0694 located in cols 43-46
shifted to its correct field 38-41 (oxygen).

In track TR1013, a record type 1, station 05041
longitude corrected from 13063 to 13603.

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7601768	F029	TR0154	0081	9005	90VI	1958/10/14	000029	301046
7601768	F029	TR0155	0081	9005	90VI	1969/05/06	000045	301047
7601768	F029	TR0986	0081	1810	18RB	1964/01/07	1-64	301112
7601768	F029	TR0987	0081	1807	1899	1966/02/02	STRGEO	301113
7601768	F029	TR0988	0081	1807	187B	1966/05/31	SAANIN	301114
7601768	F029	TR0989	0081	1810	18EN	1969/03/18	TRANSP	301115
7601768	F029	TR0992	0081	3111	31HS	1958/07/21	046	301118
7601768	F029	TR0994	0081	3101	31AX	1965/08/04	URSA	301120
7601768	F029	TR0995	0081	3101	31AR	1966/01/11	ZETES	301121
7601768	F029	TR0996	0081	31J4	31KE	1966/03/18	1-66	301122
7601768	F029	TR0997	0081	31J4	31KE	1966/09/08	3-66	301123
7601768	F029	TR0998	0081	31J4	31KE	1967/01/30	1-67	301124
7601768	F029	TR0999	0081	31J4	31KE	1967/04/20	3-67	301125
7601768	F029	TR1000	0081	31J4	31KE	1967/06/09	5-67	301126
7601768	F029	TR1001	0081	31J4	31KE	1967/07/08	6-67	301127
7601768	F029	TR1002	0081	31J4	31KE	1967/08/21	7-67	301128
7601768	F029	TR1003	0081	31J4	31KE	1968/05/09	2-68	301129
7601768	F029	TR1004	0081	31J4	31PG	1966/06/10	2-66	301130
7601768	F029	TR1006	0081	3109	31TT	1971/05/07	059	301132
7601768	F029	TR1009	0081	3109	31TT	1974/07/17	091	301135
7601768	F029	TR1683	0081	31I7	31AC	1971/05/17	113	301178
7601768	F029	TR1684	0081	31I7	31AC	1971/07/27	117	301179
7601768	F029	TR1685	0081	31I7	31AC	1971/10/04	122	301180
7601768	F029	TR1686	0081	31I7	31AC	1971/11/29	125	301181
7601768	F029	TR1687	0081	31I7	31AC	1972/03/09	128	301182
7601768	F029	TR1688	0081	31I7	31AC	1972/04/21	131	301183
7601768	F029	TR0156	0081	4957	49OS	1959/06/08	OSM044	301048
7601768	F029	TR0157	0081	4957	49OS	1960/06/06	OSM046	301049
7601768	F029	TR0158	0081	4957	49OS	1968/06/03	OSM028	301050
7601768	F029	TR0159	0081	4957	49OS	1970/06/04	OSM037	301051
7601768	F029	TR0160	0081	4951	49HH	1969/08/12	KH694	301052
7601768	F029	TR0161	0081	4951	49HH	1970/05/20	KH702	301053
7601768	F029	TR0162	0081	4951	49HH	1974/04/30	KH742	301054
7601768	F029	TR0163	0081	1810	18SC	1959/07/07	P 593	301055
7601768	F029	TR0164	0081	1810	18SC	1959/09/22	P 594	301056
7601768	F029	TR0165	0081	1810	18SC	1959/12/08	P 595	301057
7601768	F029	TR0166	0081	1810	18SC	1960/03/01	P 601	301058
7601768	F029	TR0167	0081	1810	18SC	1960/05/23	P 602	301059
7601768	F029	TR0168	0081	1810	18SC	1960/08/02	P 603	301060
7601768	F029	TR0169	0081	1810	18SC	1960/10/24	P 604	301061
7601768	F029	TR0170	0081	1810	18SC	1961/01/17	P 611	301062
7601768	F029	TR0171	0081	1810	18SC	1961/04/11	P 612	301063
7601768	F029	TR0172	0081	1810	18SC	1961/06/27	P 613	301064
7601768	F029	TR0173	0081	1810	18SC	1961/09/12	P 614	301065
7601768	F029	TR0174	0081	1810	18SC	1961/12/05	P 615	301066
7601768	F029	TR0175	0081	1810	18SC	1962/02/27	P 621	301067
7601768	F029	TR0176	0081	1810	18SC	1962/05/22	P 622	301068
7601768	F029	TR0177	0081	1810	18SC	1962/07/31	P 623	301069
7601768	F029	TR0178	0081	1810	18SC	1962/10/23	P 624	301070
7601768	F029	TR0179	0081	1810	18SC	1963/01/15	P 631	301071
7601768	F029	TR0180	0081	1810	18SC	1963/04/09	P 632	301072
7601768	F029	TR0181	0081	1810	18SC	1963/06/25	P 633	301073
7601768	F029	TR0182	0081	1810	18SC	1963/09/10	P 634	301074
7601768	F029	TR0183	0081	1810	18SC	1963/12/04	P 635	301075
7601768	F029	TR0950	0081	1810	18SC	1964/02/22	P 641	301076
7601768	F029	TR0951	0081	1810	18SC	1964/05/16	P 642	301077
7601768	F029	TR0952	0081	1810	18SC	1964/08/07	P 643	301078

7601768	F029	TR0953	0081	1810	18SC	1964/10/31	P 644	301079
7601768	F029	TR0954	0081	1810	18SC	1965/01/23	P 651	301080
7601768	F029	TR0955	0081	1810	18SC	1965/04/17	P 652	301081
7601768	F029	TR0956	0081	1810	18SC	1965/06/02	P 653	301082
7601768	F029	TR0957	0081	1810	18SC	1965/09/17	P 654	301083
7601768	F029	TR0958	0081	1810	18SC	1965/12/11	P 655	301084
7601768	F029	TR0959	0081	1810	18SC	1966/03/03	P 661	301085
7601768	F029	TR0960	0081	1810	18SC	1966/05/27	P 662	301086
7601768	F029	TR0961	0081	1810	18SC	1966/08/05	P 663	301087
7601768	F029	TR0962	0081	1810	18SC	1966/10/28	P 664	301088
7601768	F029	TR0963	0081	1810	18SC	1967/01/16	P 671	301089
7601768	F029	TR0964	0081	1810	18VC	1967/04/07	P 672	301090
7601768	F029	TR0965	0081	1810	18VC	1967/07/03	P 673	301091
7601768	F029	TR0966	0081	1810	18VC	1967/09/22	P 674	301092
7601768	F029	TR0967	0081	1810	18VC	1968/02/23	P 681	301093
7601768	F029	TR0968	0081	1810	18VC	1968/05/17	P 682	301094
7601768	F029	TR0969	0081	1810	18VC	1968/08/09	P 683	301095
7601768	F029	TR0970	0081	1810	18VC	1968/10/27	P 684	301096
7601768	F029	TR0971	0081	1810	18VC	1969/01/10	P 691	301097
7601768	F029	TR0972	0081	1810	18QA	1969/02/21	P 692	301098
7601768	F029	TR0973	0081	1810	18VC	1969/04/04	P 693	301099
7601768	F029	TR0974	0081	1810	18QA	1969/05/16	P 694	301100
7601768	F029	TR0975	0081	1810	18VC	1969/06/27	P 695	301101
7601768	F029	TR0976	0081	1810	18QA	1969/08/08	P 696	301102
7601768	F029	TR0977	0081	1810	18VC	1969/09/19	P 697	301103
7601768	F029	TR0978	0081	1810	18QA	1969/10/31	P 698	301104
7601768	F029	TR0979	0081	1810	18VC	1969/12/05	P 699	301105
7601768	F029	TR0980	0081	1810	18VC	1970/02/20	P 702	301106
7601768	F029	TR0981	0081	1810	18VC	1970/05/15	P 704	301107
7601768	F029	TR0982	0081	1810	18QA	1970/06/26	P 705	301108
7601768	F029	TR0983	0081	1810	18VC	1970/08/07	P 706	301109
7601768	F029	TR0984	0081	1810	18OS	1961/07/03	PR1961	301110
7601768	F029	TR0985	0081	1810	18OS	1962/04/16	PR1962	301111
7601768	F029	TR0990	0081	3109	31BB	1958/07/01	O 199	301116
7601768	F029	TR0991	0081	3109	31BB	1959/07/15	O 235	301117
7601768	F029	TR0993	0081	31R2	31PI	1961/09/07	N066	301119
7601768	F029	TR1005	0081	3109	31TT	1967/02/05	T012	301131
7601768	F029	TR1007	0081	3109	31TT	1972/09/03	T072	301133
7601768	F029	TR1008	0081	3109	31TT	1973/08/03	T082	301134
7601768	F029	TR1010	0081	3109	32WM	1968/02/27	SOO002	301136
7601768	F029	TR1011	0081	3109	316P	1968/03/09	SOO003	301137
7601768	F029	TR1012	0081	3109	3148	1968/03/31	SOO004	301138
7601768	F029	TR1013	0081	3109	32WM	1968/05/07	SOO005	301139
7601768	F029	TR1014	0081	3109	316P	1968/05/22	SOO006	301140
7601768	F029	TR1015	0081	3109	3148	1969/02/12	SOO007	301141
7601768	F029	TR1016	0081	3109	314I	1969/03/05	SOO008	301142
7601768	F029	TR1017	0081	3109	316Q	1969/03/12	SOO009	301143
7601768	F029	TR1018	0081	3109	316P	1969/04/05	SOO010	301144
7601768	F029	TR1019	0081	3109	32IM	1969/05/03	SOO011	301145
7601768	F029	TR1020	0081	3109	314I	1969/05/16	SOO012	301146
7601768	F029	TR1021	0081	3109	314I	1969/06/10	SOO013	301147
7601768	F029	TR1022	0081	3109	32KM	1969/07/12	SOO014	301148
7601768	F029	TR1023	0081	3109	314I	1970/01/23	SOO015	301149
7601768	F029	TR1024	0081	3109	32IM	1970/02/07	SOO016	301150
7601768	F029	TR1025	0081	3109	3148	1970/02/26	SOO017	301151
7601768	F029	TR1026	0081	3109	32HK	1970/03/13	SOO018	301152
7601768	F029	TR1027	0081	3109	314I	1970/03/22	SOO019	301153
7601768	F029	TR1028	0081	3109	3148	1970/04/05	SOO020	301154
7601768	F029	TR1029	0081	3109	3148	1970/05/04	SOO021	301155
7601768	F029	TR1030	0081	3109	32AK	1970/05/26	SOO022	301156

7601768	F029	TR1031	0081	3109	32HK	1970/06/07	SOO023	301157
7601768	F029	TR1032	0081	3109	32IM	1970/06/18	SOO024	301158
7601768	F029	TR1033	0081	3109	314I	1971/01/24	SOO025	301159
7601768	F029	TR1034	0081	3109	32IM	1971/02/13	SOO026	301160
7601768	F029	TR1035	0081	3109	314I	1971/03/03	SOO027	301161
7601768	F029	TR1036	0081	3109	32AA	1971/04/07	SOO028	301162
7601768	F029	TR1037	0081	3109	314I	1971/04/24	SOO029	301163
7601768	F029	TR1038	0081	3109	32KM	1971/05/14	SOO030	301164
7601768	F029	TR1039	0081	3109	32IM	1971/05/30	SOO031	301165
7601768	F029	TR1040	0081	3109	32AA	1971/06/15	SOO032	301166
7601768	F029	TR1041	0081	3109	314I	1971/07/11	SOO033	301167
7601768	F029	TR1042	0081	3109	316Q	1972/02/02	SOO034	301168
7601768	F029	TR1043	0081	3109	316Q	1972/02/17	SOO035	301169
7601768	F029	TR1044	0081	3109	316Q	1972/03/05	SOO036	301170
7601768	F029	TR1045	0081	3109	316Q	1972/03/21	SOO037	301171
7601768	F029	TR1046	0081	3109	32WM	1972/04/11	SOO038	301172
7601768	F029	TR1047	0081	3109	32WM	1972/04/25	SOO039	301173
7601768	F029	TR1048	0081	3109	32WM	1972/05/12	SOO040	301174
7601768	F029	TR1049	0081	3109	32WM	1972/05/26	SOO041	301175
7601768	F029	TR1054	0081	3109	32WM	1972/06/12	SOO042	301176
7601768	F029	TR1055	0081	3109	32WM	1972/06/27	SOO043	301177

(138 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
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7601768	F029	TR0154	90VI	22	45	58/10/14	58/12/05
7601768	F029	TR0155	90VI	36	167	69/05/06	69/06/20
7601768	F029	TR0986	18RB	20	41	64/01/07	64/02/07
7601768	F029	TR0987	1899	34	323	66/02/02	66/12/19
7601768	F029	TR0988	187B	25	159	66/05/31	66/07/23
7601768	F029	TR0989	18EN	211	577	69/03/18	69/04/30
7601768	F029	TR0992	31HS	43	388	58/07/21	58/09/09
7601768	F029	TR0994	31AX	16	303	65/08/04	65/10/04
7601768	F029	TR0995	31AR	16	228	66/01/11	66/01/24
7601768	F029	TR0996	31KE	13	178	66/03/18	66/03/28
7601768	F029	TR0997	31KE	52	352	66/09/08	66/09/29
7601768	F029	TR0998	31KE	25	237	67/01/30	67/02/15
7601768	F029	TR0999	31KE	16	42	67/04/20	67/04/26
7601768	F029	TR1000	31KE	30	258	67/06/09	67/07/03
7601768	F029	TR1001	31KE	4	57	67/07/08	67/07/11
7601768	F029	TR1002	31KE	13	173	67/08/21	67/08/29
7601768	F029	TR1003	31KE	5	53	68/05/09	68/05/15
7601768	F029	TR1004	31PG	18	159	66/06/10	66/06/21
7601768	F029	TR1006	31TT	38	521	71/05/07	71/06/15
7601768	F029	TR1009	31TT	8	94	74/07/17	74/07/25
7601768	F029	TR1683	31AC	28	272	71/05/17	71/05/26
7601768	F029	TR1684	31AC	14	85	71/07/27	71/08/04
7601768	F029	TR1685	31AC	12	146	71/10/04	71/10/13
7601768	F029	TR1686	31AC	11	162	71/11/29	71/12/09
7601768	F029	TR1687	31AC	14	177	72/03/09	72/03/20
7601768	F029	TR1688	31AC	12	170	72/04/21	72/04/30
7601768	F029	TR0156	49OS	10	163	59/06/08	59/07/27
7601768	F029	TR0157	49OS	43	330	60/06/06	60/08/29
7601768	F029	TR0158	49OS	10	121	68/06/03	68/08/15
7601768	F029	TR0159	49OS	9	69	70/06/04	70/08/20
7601768	F029	TR0160	49HH	2	23	69/08/12	69/11/13
7601768	F029	TR0161	49HH	6	98	70/05/20	70/05/25
7601768	F029	TR0162	49HH	3	55	74/04/30	74/06/26
7601768	F029	TR0163	18SC	6	13	59/07/07	59/08/24
7601768	F029	TR0164	18SC	5	11	59/09/22	59/11/02
7601768	F029	TR0165	18SC	6	13	59/12/08	60/01/25
7601768	F029	TR0166	18SC	3	25	60/03/01	60/04/18
7601768	F029	TR0167	18SC	3	13	60/05/23	60/07/04
7601768	F029	TR0168	18SC	3	12	60/08/02	60/09/19
7601768	F029	TR0169	18SC	2	13	60/10/24	60/12/12
7601768	F029	TR0170	18SC	3	19	61/01/17	61/03/06
7601768	F029	TR0171	18SC	3	7	61/04/11	61/05/29
7601768	F029	TR0172	18SC	5	41	61/06/27	61/08/07
7601768	F029	TR0173	18SC	3	22	61/09/12	61/10/29
7601768	F029	TR0174	18SC	3	22	61/12/05	62/01/21
7601768	F029	TR0175	18SC	4	29	62/02/27	62/04/16
7601768	F029	TR0176	18SC	9	19	62/05/22	62/07/02
7601768	F029	TR0177	18SC	35	96	62/07/31	62/09/16
7601768	F029	TR0178	18SC	31	88	62/10/23	62/12/10
7601768	F029	TR0179	18SC	27	65	63/01/15	63/03/04
7601768	F029	TR0180	18SC	32	86	63/04/09	63/05/27
7601768	F029	TR0181	18SC	13	43	63/06/25	63/08/05
7601768	F029	TR0182	18SC	22	60	63/09/10	63/10/29
7601768	F029	TR0183	18SC	5	11	63/12/04	64/01/15
7601768	F029	TR0950	18SC	18	52	64/02/22	64/04/09
7601768	F029	TR0951	18SC	17	51	64/05/16	64/06/28

7601768	F029	TR0952	18SC	14	29	64/08/07	64/09/24
7601768	F029	TR0953	18SC	19	74	64/10/31	64/12/15
7601768	F029	TR0954	18SC	18	59	65/01/23	65/03/10
7601768	F029	TR0955	18SC	18	70	65/04/17	65/06/03
7601768	F029	TR0956	18SC	13	38	65/06/02	65/08/12
7601768	F029	TR0957	18SC	15	63	65/09/17	65/11/02
7601768	F029	TR0958	18SC	17	57	65/12/11	66/01/19
7601768	F029	TR0959	18SC	17	68	66/03/03	66/04/20
7601768	F029	TR0960	18SC	12	41	66/05/27	66/07/07
7601768	F029	TR0961	18SC	19	81	66/08/05	66/09/21
7601768	F029	TR0962	18SC	14	51	66/10/28	66/12/13
7601768	F029	TR0963	18SC	15	53	67/01/16	67/03/01
7601768	F029	TR0964	18VC	12	58	67/04/07	67/05/25
7601768	F029	TR0965	18VC	14	60	67/07/03	67/08/10
7601768	F029	TR0966	18VC	17	68	67/09/22	67/10/20
7601768	F029	TR0967	18VC	16	60	68/02/23	68/04/11
7601768	F029	TR0968	18VC	16	66	68/05/17	68/07/04
7601768	F029	TR0969	18VC	16	55	68/08/09	68/09/26
7601768	F029	TR0970	18VC	17	48	68/10/27	68/12/05
7601768	F029	TR0971	18VC	16	44	69/01/10	69/02/26
7601768	F029	TR0972	18QA	17	58	69/02/21	69/04/09
7601768	F029	TR0973	18VC	17	78	69/04/04	69/05/19
7601768	F029	TR0974	18QA	14	55	69/05/16	69/07/03
7601768	F029	TR0975	18VC	12	58	69/06/27	69/08/14
7601768	F029	TR0976	18QA	13	56	69/08/08	69/09/25
7601768	F029	TR0977	18VC	19	72	69/09/19	69/11/06
7601768	F029	TR0978	18QA	13	27	69/10/31	69/12/10
7601768	F029	TR0979	18VC	8	39	69/12/05	70/01/15
7601768	F029	TR0980	18VC	21	43	70/02/20	70/04/09
7601768	F029	TR0981	18VC	8	49	70/05/15	70/07/01
7601768	F029	TR0982	18QA	3	36	70/06/26	70/08/12
7601768	F029	TR0983	18VC	17	35	70/08/07	70/09/24
7601768	F029	TR0984	18OS	5	45	61/07/03	61/07/15
7601768	F029	TR0985	18OS	2	23	62/04/16	62/05/03
7601768	F029	TR0990	31BB	8	50	58/07/01	58/07/30
7601768	F029	TR0991	31BB	14	120	59/07/15	59/07/31
7601768	F029	TR0993	31PI	25	190	61/09/07	61/10/12
7601768	F029	TR1005	31TT	20	207	67/02/05	67/03/04
7601768	F029	TR1007	31TT	11	153	72/09/03	72/09/09
7601768	F029	TR1008	31TT	9	124	73/08/03	73/08/07
7601768	F029	TR1010	32WM	13	27	68/02/27	68/04/16
7601768	F029	TR1011	316P	23	47	68/03/09	68/05/04
7601768	F029	TR1012	3148	26	53	68/03/31	68/05/25
7601768	F029	TR1013	32WM	21	43	68/05/07	68/06/28
7601768	F029	TR1014	316P	25	51	68/05/22	68/07/08
7601768	F029	TR1015	3148	7	15	69/02/12	69/02/25
7601768	F029	TR1016	314I	17	35	69/03/05	69/03/13
7601768	F029	TR1017	316Q	17	35	69/03/12	69/03/22
7601768	F029	TR1018	316P	18	37	69/04/05	69/04/13
7601768	F029	TR1019	32IM	17	35	69/05/03	69/05/13
7601768	F029	TR1020	314I	18	37	69/05/16	69/05/24
7601768	F029	TR1021	314I	16	33	69/06/10	69/06/20
7601768	F029	TR1022	32KM	16	33	69/07/12	69/07/19
7601768	F029	TR1023	314I	16	33	70/01/23	70/02/04
7601768	F029	TR1024	32IM	18	37	70/02/07	70/02/15
7601768	F029	TR1025	3148	17	35	70/02/26	70/03/10
7601768	F029	TR1026	32HK	18	37	70/03/13	70/03/20
7601768	F029	TR1027	314I	18	37	70/03/22	70/04/02
7601768	F029	TR1028	3148	17	35	70/04/05	70/04/13
7601768	F029	TR1029	3148	19	39	70/05/04	70/05/14

7601768	F029	TR1030	32AK	15	31	70/05/26	70/06/02
7601768	F029	TR1031	32HK	10	21	70/06/07	70/06/16
7601768	F029	TR1032	32IM	12	25	70/06/18	70/06/26
7601768	F029	TR1033	314I	18	37	71/01/24	71/02/04
7601768	F029	TR1034	32IM	12	25	71/02/13	71/02/23
7601768	F029	TR1035	314I	10	21	71/03/03	71/03/11
7601768	F029	TR1036	32AA	15	31	71/04/07	71/04/16
7601768	F029	TR1037	314I	18	37	71/04/24	71/05/01
7601768	F029	TR1038	32KM	13	27	71/05/14	71/05/23
7601768	F029	TR1039	32IM	18	37	71/05/30	71/06/06
7601768	F029	TR1040	32AA	13	27	71/06/15	71/06/24
7601768	F029	TR1041	314I	17	35	71/07/11	71/07/19
7601768	F029	TR1042	316Q	11	23	72/02/02	72/02/12
7601768	F029	TR1043	316Q	15	31	72/02/17	72/02/26
7601768	F029	TR1044	316Q	12	25	72/03/05	72/03/16
7601768	F029	TR1045	316Q	18	37	72/03/21	72/03/30
7601768	F029	TR1046	32WM	11	23	72/04/11	72/04/20
7601768	F029	TR1047	32WM	18	37	72/04/25	72/05/03
7601768	F029	TR1048	32WM	11	23	72/05/12	72/05/21
7601768	F029	TR1049	32WM	16	33	72/05/26	72/06/04
7601768	F029	TR1054	32WM	12	25	72/06/12	72/06/22
7601768	F029	TR1055	32WM	16	33	72/06/27	72/07/05

(138 rows affected)