

Special Codes

Water Physics and Chemistry

NAVIGATION

- 01 = Loran (mixed or unspecified)
- 02 = Radar and/or fixes
- 03 = Raydist without complications
- 04 = Raydist with errors, drifting, etc.
- 05 = Satellite
- 06 = Omega
- 07 = Loran A only
- 08 = Loran C only

TURBIDITY CODE

- 1 = Turbidometer; in JTU
- 2 = Transmissometer; in percent of light transmission over a 10 cm. path.
- 3 = Fluorometer; suspended solids calibration

METHOD CODE

- 1 = STD (Salinity, Temperature, and Depth recorder)
- 2 = XBT (Expendable Bathythermograph)
- 3 = Nansen Cast
- 4 = MBT (Mechanical Bathythermograph)

CODING INSTRUCTIONS

NODC COUNTRY-CRUISE REFERENCE NO. 68-0201 , WRITER LWA DATE _____

CHECKED BY _____ DATE _____ ; APPROVED BY _____ DATE _____

SOURCE MATERIAL (AUTHOR, TITLE, VOLUME, PART, PAGE, ETC.)

Photostatic copies of Technical Report No. 113 of Physical-Chemical Data for Puget Sound and Approaches from Un. of Washington in Seattle, Washington. The entire data batch - 68-0201 - consists of 54 sub-data sets (cruises). A File Header Record should be encoded for each individual cruise. NODC Accession #68-0201; Vessel Names -- ASTOR and BROWN BEAR. See supplemental sheets for specific cruise and ship match-ups. Originator's Cr. No. -- varies with each individual cruise as do the Dates of Operation. Some of the observations are unreadable and they are so noted. They may be ignored.

NODC PUB. M-2 IS TO BE USED IN CONJUNCTION WITH THESE INSTRUCTIONS

(General instructions begin on Page 2

INSTR. NO.	SPECIAL INSTRUCTIONS
#1	If an entry is made in any field on the Data Record, and that entry does not fill the entire field, zeros (0) should be prefixed to fill that particular field.
#2	Do not code decimal points. They are understood.
#3	There are several data sets (cruises) incorporated in the very last cruise (vessel=SKIFF). Although the cruise number varies from 1-37 the cruise is to be treated as on single cruise. Therefore, only one (1) File Header Record need be coded for that particular cruise.

Supplemental Sheet for 68-0201

<u>Acces. No.</u>	<u>Vessel</u>	<u>Orig. Cruise No.</u>	<u>Dates or Operation</u>	<u>Senior Scientist</u>	<u># Obs.</u>	<u>Institution</u>
68-0201	BROWN BEAR	BB182	01/02/58-01/03/58	Dr. R.G. Paquette	4 ✓	Univ. of Wash.
		BB188	02/19/58-02/20/58	Dr. S.A. El Wardani	9 ✓	
	"	BB198	06/07/58-06/08/58	W. Aron	4 ✓	
		BB201	09/15/58-09/18/58	J.H. Lincoln	54 ✓	
		BB205	11/17/58-11/21/58		67 ✓	
		BB209	12/19/58-12/23/58	J. Dermody	70 ✓	
		BB213	01/27/59-01/28/59		3 ✓	
		BB218	02/21/59-02/21/59	Dr. C.A. Barns	5 ✓	
		BB219	03/02/59-03/02/59	Dr. R.G. Paquette	5 ✓	
"		BB221	03/03/59-03/05/59		29 ✓	
"		BB222	03/19/59-03/20/59	Dr. M. Rattray	2 ✓ 252	
		BB223	03/24/59-03/27/59	R. Burns	60 ✓	16
		BB224	03/30/59-04/01/59	Dr. G.C. Anderson	8 ✓	"
		BB233	06/03/59-06/05/59	E.E. Collias	38 ✓	
		BB234	06/18/59-06/19/59	Dr. R.G. Paquette	18 ✓	
		BB242	10/26/59-10/29/59	J. Dermody	63 ✓	
		BB243	11/02/59-11/04/59	E.E. Collias	20 ✓ 459	
		BB245	11/30/59-12/02/59	R.A. Barkley	13 ✓	
		BB247	12/05/59-12/05/59	Dr. C.A. Barns	5 ✓	"

Supplemental Sheet for 68-0201 (cont'd)

<u>Acces. No.</u>	<u>Vessel</u>	<u>Orig. Cruise No.</u>	<u>Dates of Operation</u>	<u>Senior Scientist</u>	<u># Obs.</u>	<u>Institution</u>
68-0201	BROWN BEAR	BB248	12/10/59-12/11/59	E.E. Collias	25 ✓	Univ. of Wash.
		BB249	01/18/60-01/19/60	Dr. T.S. English	9 ✓	
		BB251	01/25/60-01/29/60	J. Dermody	69 ✓	
		BB252	02/05/60-02/05/60	E.E. Collias	6 ✓	
		BB257	04/19/60-04/22/60		13 ✓	
		BB259	05/02/60-05/06/60	F.D. Henson	71 ✓	
		BB261	05/17/60-05/17/60	R.E. Burns	24 ✓	
		BB262	05/19/60-05/23/60	Dr. C.A. Barns	14 ✓	
		BB264	06/07/60-06/08/60	J. Dermody	16 ✓	
		BB265	06/10/60-06/11/60	E.E. Collias	11 ✓	
		BB271	12/08/60-12/08/60	W.A. Dawson	2 ✓	
		BB272	12/14/60-12/20/60	E.E. Collias	84 ✓	
		BB273	12/27/60-12/30/60	R.E. Burns	21 ✓	
		BB276	02/06/61-02/06/61	E.E. Collias	11	
		BB279	02/28/61-02/28/61		6	
		BB284	04/17/61-04/21/61		59	
		BB285	04/28/61-04/28/61	Dr. F.A. Richards	5	
		BB288	06/09/61-06/10/61		10	

Supplemental Sheet for 68-0201 (cont'd)

<u>Acces. No.</u>	<u>Vessel</u>	<u>Orig. Cruise No.</u>	<u>Dates of Operation</u>	<u>Senior Scientist</u>	<u># Obs.</u>	<u>Institution</u>
68-0201	BROWN BEAR	BB293	09/14/61-09/15/61	E.E. Collias	7	Univ. of Wash.
		BB294	11/03/61-11/03/61		4	
		BB296	11/13/61-11/17/61	J.W. Stevens	57	
	YTL 49	DAB2A1	09/02/59-09/04/59	T.J. Glancy	9	
		DAB2A2	09/10/59-09/10/59		9	
		DAB2A3	09/15/59-09/17/59		17	
		DAB2A4	09/24/59-09/24/59		<u>10</u>	
	ASTOR	DAB07	08/12/60-08/12/60	D.A. Damkaer	11	
		DAB08	08/30/60-09/01/60		19	
		DAB09	09/14/60-09/16/60		06	
		DAB10	09/23/60-09/25/60		7	
	HYDAH	DAB11	10/15/60-10/16/60		2	
		DAB12	10/29/60-10/30/60		3	
		DAB13	11/12/60-11/13/60		3	
		DAB14	12/03/60-12/03/60		3	
		DAB15	12/10/60-12/11/60		3	
	SKIFF	D17-37	02/04/61-10/24/61	I.D. Larrance	21	
					<u>1124</u>	

CODING INSTRUCTIONS FOR CRUISE NO. 68-0201

First - Station
Header Record

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS																														
File Type	1-3	-----	Constant entry of "004"																														
Acces. Number	4-9	-----	Enter "680201" on each Station Header Record																														
Record Type	10	-----	Constant entry of "2"																														
Record Seq.	11-13	-----	Constant entry of "001"																														
Org. Sta. No.	14-18	-----	Enter as given for each respective station (Right justified)																														
Latitude	19-24	-----	Enter as given. Use the following table to convert tenths of minutes to seconds:																														
			<table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Tenths of Minutes</th> <th>=</th> <th>Seconds</th> </tr> </thead> <tbody> <tr><td>.1</td><td>=</td><td>06</td></tr> <tr><td>.2</td><td>=</td><td>12</td></tr> <tr><td>.3</td><td>=</td><td>18</td></tr> <tr><td>.4</td><td>=</td><td>24</td></tr> <tr><td>.5</td><td>=</td><td>30</td></tr> <tr><td>.6</td><td>=</td><td>36</td></tr> <tr><td>.7</td><td>=</td><td>42</td></tr> <tr><td>.8</td><td>=</td><td>48</td></tr> <tr><td>.9</td><td>=</td><td>54</td></tr> </tbody> </table>	Tenths of Minutes	=	Seconds	.1	=	06	.2	=	12	.3	=	18	.4	=	24	.5	=	30	.6	=	36	.7	=	42	.8	=	48	.9	=	54
Tenths of Minutes	=	Seconds																															
.1	=	06																															
.2	=	12																															
.3	=	18																															
.4	=	24																															
.5	=	30																															
.6	=	36																															
.7	=	42																															
.8	=	48																															
.9	=	54																															
Hemi-sphere	25	-----	Enter "N" throughout entire data set																														
Longitude	26-32	-----	Enter as given. Use the table as given under Latitude to convert tenths of minutes to seconds																														
Hemi-sphere	33	-----	Enter "W" throughout entire data set																														
Time (GMT)	34-36	Tables #4&2	Time is recorded under "HR" and is given as Pacific Standard Time and must be converted to (GMT). Use table #2 to convert tenths of minutes to seconds																														
Station Date	37-44	-----	Enter as given except where conversion to (GMT) changes the day																														
Water Depth	45-49	-----	Sounding is recorded under "SDG" in meters. Enter as given																														
Navigation	50-51	-----	Enter "01"																														
Method	52	-----	Enter "3"																														
	53-80	-----	Leave blank																														

CODING INSTRUCTIONS FOR CRUISE NO. 68-0201

Second - Station
Header Record

ITEM	CARD COL. NO.	M-2 TABLE NO.	INSTRUCTIONS
File Type	1-3	-----	Constant entry of "004"
Acces. Number	4-9	-----	Enter "680201" on each Station Header Record
Record Type	10	-----	Constant entry of "3"
Record Seq.	11-13	-----	Constant entry of "001"
Org. Sta. No.	14-18	-----	Enter as given (Right justified)
Bar. Pres.	19-21	-----	Enter as given, when given. Record under "BAR"
AirTemp DryBulb	22-25	Table #20	Recorded under "DRY" in degrees Fahrenheit. Convert to degrees Celsius
Air Temp Wet Bulb	26-29	Table #20	Recorded under "WET" in degrees Fahrenheit. Convert to degrees Celsius
Wind Dir.	30-31	Table #9	Recorded under "DIR" adjacent to "WSPD." Divide recorded value by ten (10) and enter resulting value
Wind Speed	32-33	-----	Recorded under "WSPD." Enter as given
	34-35	-----	Leave blank
Sea Height	36	-----	Recorded under "SEA." Enter when given as given
Swell Dir Ht	37-39	-----	Leave blank
Weather	40	Table #23	Recorded under "WEA." Given in a two digit code. Use table #23 to convert to single digit and enter
Cloud Type	41	-----	Recorded under "CL." Use the following table for Cloud Type conversion:
			If given as = then code
			1 = 0
			2 = 2
			3 = 1
			4 = 3
			5 = 4
			6 = 6
			7 = 5

