

XBT-DBT data for standard depth

1 File Name

xxyyymm.U

where, xx: Hydrographic Code [listed in Table1]
 yy: Year (last 2 digits)
 mm: Month

2 Format of File

XBT-DBT data for standard depth (hereinafter referred to as XBT-DBT(STD) data) consist of ASCII records of fixed lengths (126 bytes). Each record is separated by two characters like as in DOS, which characters are one “control M” (carriage return, ASCII code 0Dh) and one “control J” (line feed, ASCII code 0Ah). For a missing value, the character ‘-’(ASCII code 2Dh) is put in place of the measured value. The column of the element that was not observed is filled with blanks.

XBT-DBT (STD) data consist of cruise information record (HEADER) and subsurface temperature data records (DATA) obtained during the cruise.

HEADER (Cruise Information)

Element	Start	Field Position Type	Description of Field
CRUISE NO	1	I4	Cruise number identified with the year and the month.
PERIOD	5	2(2I2)	Date of beginning and end of the subsurface temperature observations.
AREA	13	A100	Observation area.
SHIP CODE	121	A2	Hydrographic Code (listed in Table 1.).

DATA

Element	Start	Field Position Type	Description of Field
STATION NO	1	I3	Station number with three digits consecutive numbers.
DATE/TIME	4	2(2I2)	Month, day and time of an observation in JST.
LATITUDE	12	I2,I2	Degrees, minutes of latitude.
LONGITUDE	17	I3,I2	Degrees, minutes of longitude.
Qc	23	I1	The division of Earth by the Equator and prime meridian (1: Northern-Eastern, 3: Sothern-Eastern).
TEMP 0 m	24	I3	Temperature determined with a "bathythermograph" at each depths in a tenth of degree centigrade.
10	27	I3	
20	30	I3	
30	33	I3	
50	36	I3	
75	39	I3	
100	42	I3	
150	45	I3	
200	48	I3	
250	51	I3	
300	54	I3	
350	57	I3	
400	60	I3	
450	63	I3	
500	66	I3	
550	69	I3	
600	72	I3	
650	75	I3	
700	78	I3	
750	81	I3	
800	84	I3	
900	87	I3	
1000	90	I3	
1200	93	I3	
1400	96	I3	
1600	99	I3	
1800	102	I3	

2000	105	I3	
SURF-SAL	108	I5	Surface salinity in centesimal PSS-78.
TIME	113	I2, I2	Corresponding observation time of the surface current.
DIR / SPEED	117	I3, I2	True direction (degree) and speed (0.1 kt) of the surface current measured by GEK. For the current speed under 0.05 kt, a value of “0” is displayed as current direction.
HYD-NO	122	I4	Corresponding station number of the hydrographic observation data.
TYP	126	A1	Type of "bathythermograph"(BT): (X: expendable BT, D: Digital BT.)

Table 1: Ship codes.

Ship Name	Hydrographic
Kofu Maru	KO
Ryofu Maru	RY
Keifu Maru	KE
Shumpu Maru	SH
Chofu Maru	CH
Seifu Maru	SI