Greenhouse gas data

1. File Name

    `xxyynn.WAY`

    where, **xx**: Hydrographic Code [listed in Table1]
    yy: Year (last 2 digits)
    nn: Consecutive number (Month; Before winter of 2010)

2. Record Definition

    (a) Header Part (first record
        Name of element in each field of 'Data Part'

    (b) Data Part after first record

Data Part

Element	Start Position	Field Type	Description of Field
RV	1	A2	Hydrographic Code listed in Table 1.
yyyy	4	I4	Year (Japan Standard Time (JST))
MM	9	I2	Month (JST)
DD	12	I2	Day (JST)
hh	15	I2	Hour (JST)
mm	18	I2	Minute (JST)
Lat.	21	I2,A1,I2,A1	Latitude in degrees '-' latitude in minutes N or S
Lon.	28	I3,A1,I2,A1	Longitude in degrees '-' longitude in minutes E or W
CO2Air	36	F6.1	Atmospheric carbon dioxide concentration (ppm)
CO2Sea	43	F6.1	Sea water carbon dioxide concentration (ppm)
CH4Air	50	F6.2	Atmospheric methane concentration (ppm)
CH4Sea	57	F6.2	Sea water methane concentration (ppm)
A.T.	65	F5.1	Air temperature (degree Celsius)
S.T.	72	F5.1	Sea surface temperature (degree Celsius)
WD	81	I3	Wind direction [expressed as follows:9=E,18=S,27=W,36=N,0=calm]
WS	86	F5.1	Wind speed m/s
AirPre	92	F6.1	Air pressure hPa
S.SAL	99	F7.3	Sea surface salinity

Table 1: Ship codes.

Ship Name	Hydrographic	Subsurface current	BT
Kofu Maru	KH/KO	AH/AO	TH/TO
Ryofu Maru	RF	AF	TF
Keifu Maru I	KE	AE	TE
Keifu Maru II	KS	AS	TS
Shumpu Maru	SH	AH	TH
Chofu Maru	NC	AC	TC
Seifu Maru	SM	AM	TM