

## Cruise Plan

### U.S. - R.O.C. Deep Seismic Imaging Study of the Taiwan Arc-Continent Collision Leg 1

(R/V Ocean Researcher I Cruise No. 430)

#### Schedule:

Departure from Keelung: August 23, 1995, 10:00 a.m.

Seismic Lines for OBS Coverage:

Line 1 OBS Stations 1-14

Line 9 OBS Stations 15-19

Line 11 OBS Stations 20-26

Line 16 OBS Stations 27-33

Line 22 OBS Stations 34-39

Line 26 OBS Stations 40-45

Arrival at Kaohsiung: September 8, 1995, 5:00 a.m.

— See attachments for OBS station coordinates and detailed schedule

#### Instruments: Ocean Bottom Seismographs

#### Recording Parameters:

Sensors: 3-component 4.5 Hz geophones

Hydrophone (UTIG units only)

Anti-alias filters: 30 Hz for geophone channels

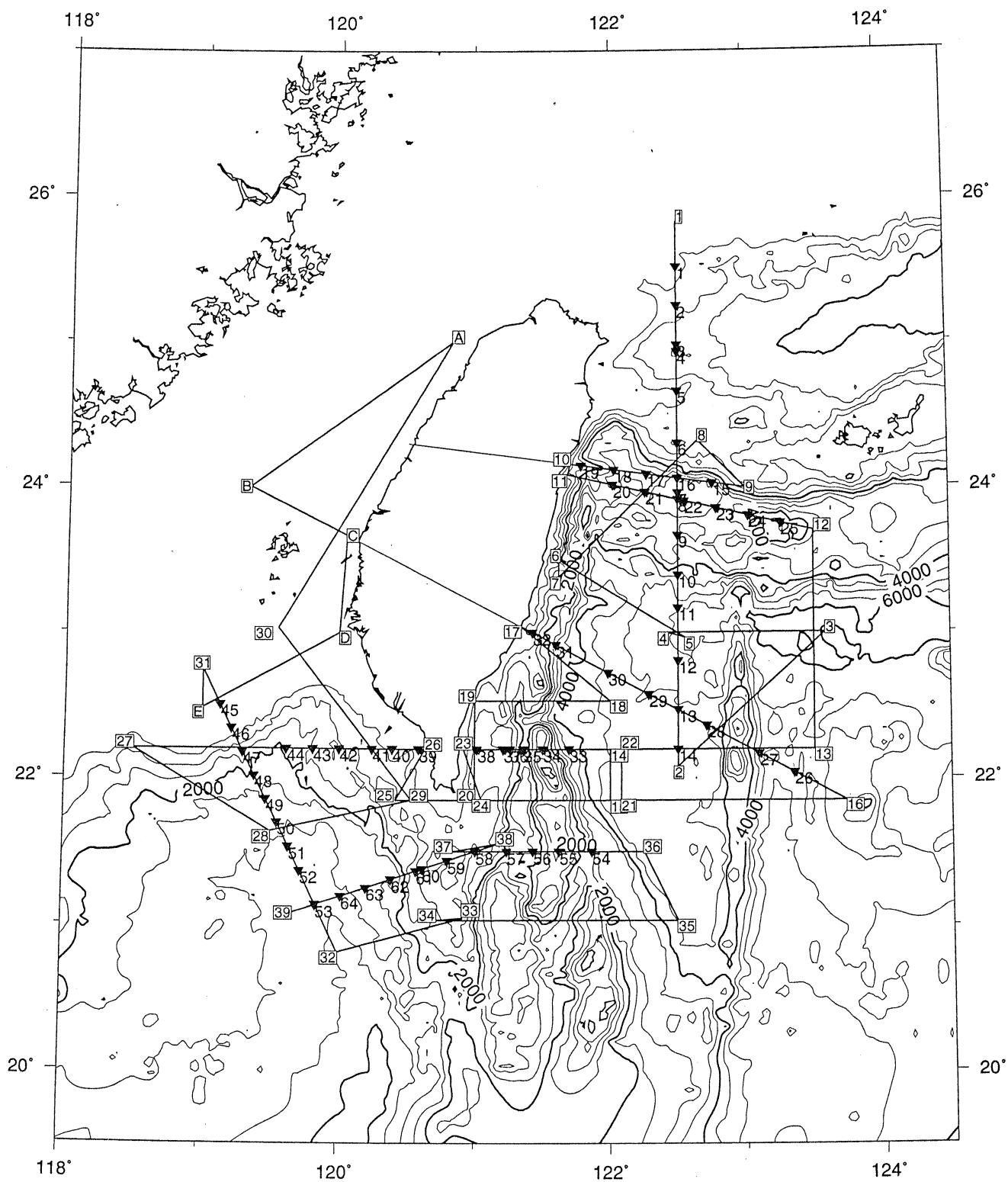
50 Hz for hydrophone channel

Sample interval: 4 ms

Recording mode: continuous

#### Scientific Party, affiliation and Duties

Tan-Kin Wang	National Taiwan Ocean University	Co-Chief Scientist, data processing, watch stand
Yosio Nakamura	University of Texas at Austin	Co-Chief Scientist, OBS operation
Kirk McIntosh	University of Texas at Austin	Survey planning, data processing, watch stand
Chao-Shing Lee	Australian Geological Survey Organisation	Watch stand
Glen Caglarcan	University of Texas at Austin	OBS operation
Jack Pittar	Australian Geological Survey Organisation	OBS operation
Tain-Syh Liu	National Taiwan Ocean University	OBS operation
Stephane Operto	University of Texas at Austin	Watch stand, data processing and analysis
Julia Liu	University of Texas at Austin	Data management, OBS clock check, data processing, watch stand
Chun-Hsien Ching	National Taiwan Ocean University	Data management and processing, watch stand



Station 22 at station 8

Add one to station numbers 23~64

Station 66 at station 54 (old 52)

# **OBS Station Coordinates**

Line	Station	Latitude, N	Longitude, E	Line	Station	Latitude, N	Longitude, E
1	1	25° 31.04'	122° 30.00'	22	34	22° 12.06'	121° 41.70'
1	2	25° 14.80'	122° 30.00'	22	35	22° 12.06'	121° 30.06'
1	3	24° 58.54'	122° 30.00'	22	36	22° 12.06'	121° 21.36'
1	4	24° 55.84'	122° 30.00'	22	37	22° 12.05'	121° 15.54'
1	5	24° 39.59'	122° 30.00'	22	38	22° 12.05'	121° 12.60'
1	6	24° 17.92'	122° 30.00'	22	39	22° 12.02'	121° 00.96'
1	7	23° 57.54'	122° 30.00'	26	40	22° 12.02'	120° 35.10'
1	8	23° 54.83'	122° 30.00'	26	41	22° 12.08'	120° 23.46'
1	9	23° 40.00'	122° 30.00'	26	42	22° 12.12'	120° 14.58'
1	10	23° 23.75'	122° 30.00'	26	43	22° 12.17'	120° 00.18'
1	11	23° 10.20'	122° 30.00'	26	44	22° 12.20'	119° 48.54'
1	12	22° 48.53'	122° 30.00'	26	45	22° 12.21'	119° 36.90'
1	13	22° 28.42'	122° 30.00'	31	46	22° 30.38'	119° 07.68'
1	14	22° 12.09'	122° 30.00'	31	47	22° 20.63'	119° 12.78'
9	15	24° 01.56'	122° 45.42'	31	48	22° 10.88'	119° 17.82'
9	16	24° 03.50'	122° 30.00'	31	49	22° 01.13'	119° 22.92'
9	17	24° 05.22'	122° 16.14'	31	50	21° 51.37'	119° 27.96'
9	18	24° 07.02'	122° 01.56'	31	51	21° 41.61'	119° 33.00'
9	19	24° 08.79'	121° 46.92'	31	52	21° 31.85'	119° 38.04'
11	20	24° 00.88'	122° 01.02'	31	53	21° 22.10'	119° 43.08'
11	21	23° 57.88'	122° 15.46'	31	54	21° 08.22'	119° 50.16'
11	22°	23° 54.83'	122° 30.00'	36	55	21° 30.07'	121° 51.84'
11	23	23° 54.23'	122° 32.87'	36	56	21° 30.09'	121° 37.38'
11	24	23° 51.24'	122° 47.04'	36	57	21° 30.09'	121° 25.80'
11	25	23° 48.18'	123° 01.32'	36	58	21° 30.07'	121° 14.22'
11	26	23° 45.10'	123° 15.66'	36	59	21° 30.03'	121° 00.30'
16	27	22° 02.56'	123° 21.06'	38	60	21° 26.24'	120° 48.00'
16	28	22° 10.32	123° 05.70'	38	61	21° 22.85'	120° 37.02'
16	29	22° 21.90'	122° 42.66'	38	62	21° 22.00'	120° 34.26'
16	30	22° 34.71'	122° 16.98'	38	63	21° 18.58'	120° 23.28'
16	31	22° 43.63'	121° 58.92'	38	64	21° 15.16'	120° 12.30'
16	32	22° 55.05	121° 35.70'	38	65	21° 11.73'	120° 01.32'
16	33	23° 00.11'	121° 25.32'	38	66	21° 08.22'	119° 50.18'