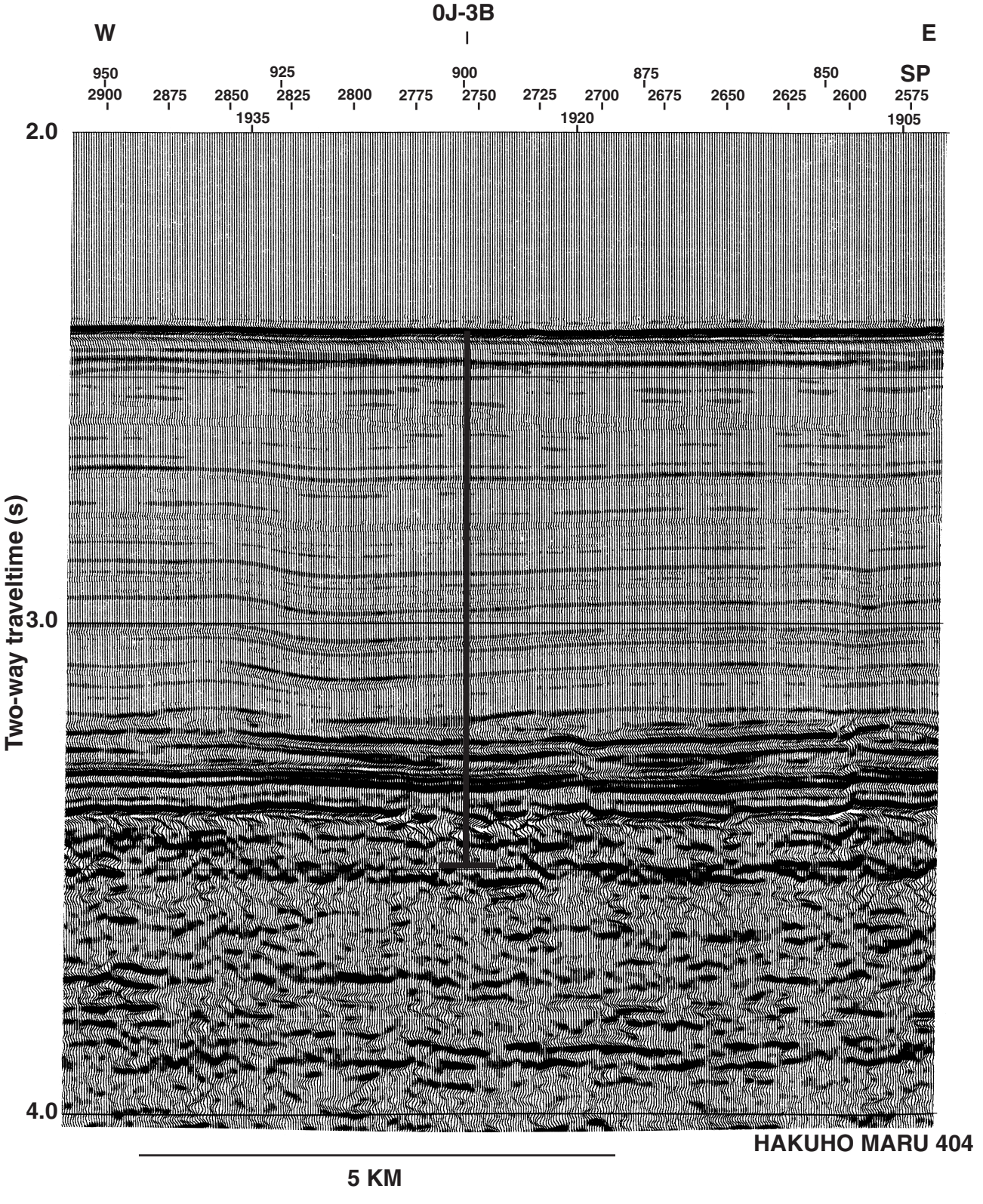

0J-3B
W
E
950
925
900
875
850
SP
2900
2875
2850
2825
2800
2775
2750
2725
2700
2675
2650
2625
2600
2575
1935
1920
1905
2.0
3.0
4.0
Two-way traveltime (s)
HAKUHO MARU 404
5 KM

PRIMARY SITE SUMMARIES

Site: OJ-3B

Priority: 1
Position: 1°10.62´S, 157°0.89´E
Water Depth: 1800 m
Sediment Thickness: 1175 m
Target Drilling Depth: 1325 mbsf
Approved Maximum Penetration: 1475 mbsf
Seismic Coverage: Multichannel seismic line; R/V *Hakuho Maru* KH98-1 Leg 2 Line 404.

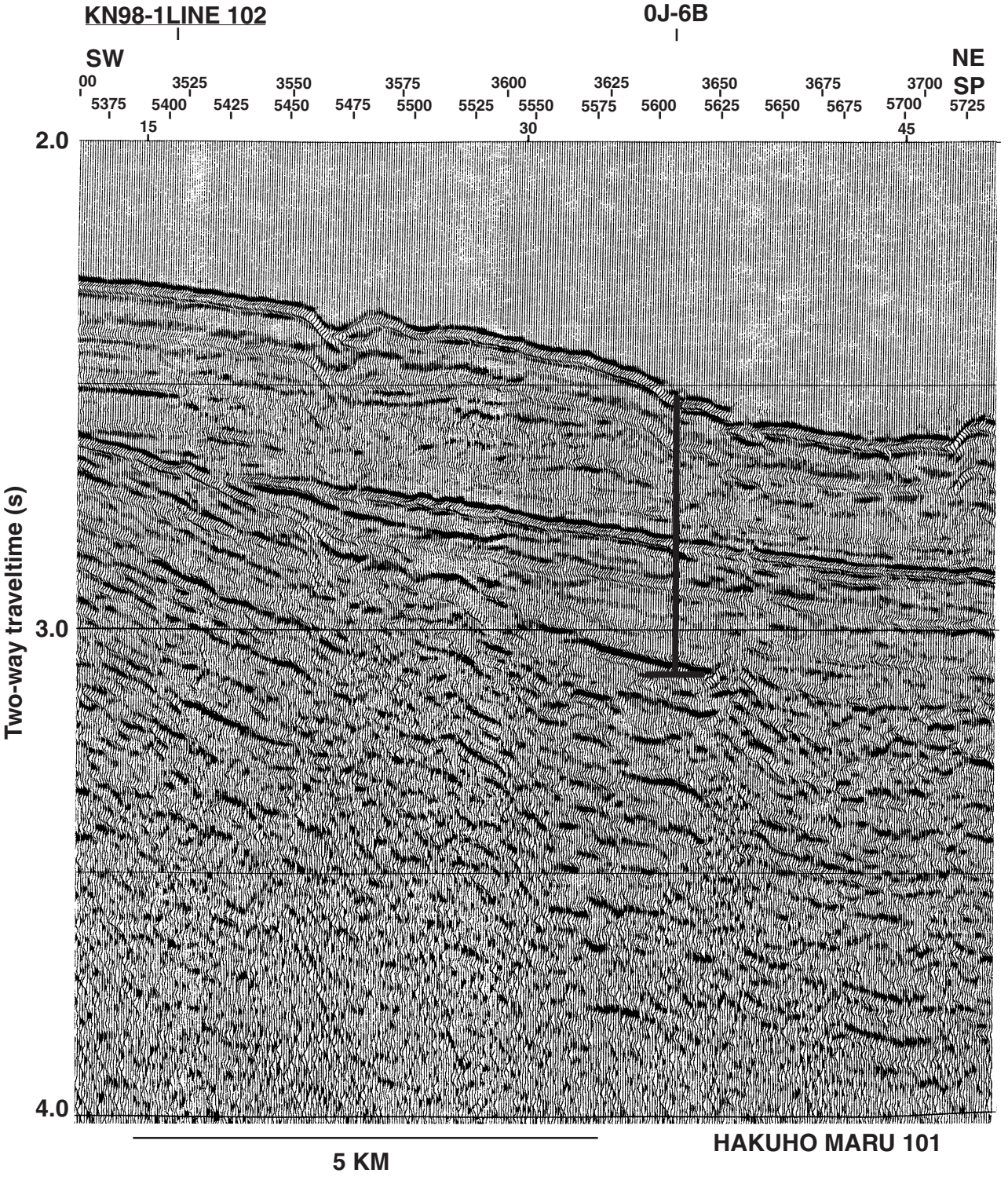
Objectives: The objectives of Site OJ-3B are to

1. Obtain a minimum of 150 m of basaltic basement to determine lava composition and age.
2. Determine lava-flow thickness and flow morphology and, hence, deduce eruptive environment.
3. Obtain sedimentary record and determine sequence facies from 800 mbsf to the sediment/basement interface.
4. Determine a minimum basement age using overlying sediments and ages of possible sediment interbeds.
5. Define the ages of seismic sequence boundaries.
6. Determine early subsidence history and duration of possible subaerial environment.

Drilling Program: Double case reentry hole to 350 mbsf, drill without coring to 800 mbsf, then RCB to bottom of hole.

Logging and Downhole: Triple combo, FMS/sonic and WST (cored section only).

Nature of Rock Anticipated: Chalk, limestone, chert, and basalt.


KN98-1LINE 102
0J-6B
SW
NE
SP
00
3525
3550
3575
3600
3625
3650
3675
3700
5375
5400
5425
5450
5475
5500
5525
5550
5575
5600
5625
5650
5675
5700
5725
15
30
45
2.0
3.0
4.0
Two-way traveltime (s)
5 KM
HAKUHO MARU 101

Site: OJ-6B

Priority: 3
Position: 4°56.96´S, 164°16.27´E
Water Depth: 1860 m
Sediment Thickness: 590 m
Target Drilling Depth: 690 mbsf
Approved Maximum Penetration: 790 mbsf
Seismic Coverage: Multichannel seismic line; R/V *Hakuho Maru* KH98-1 Leg 2 Line 101.

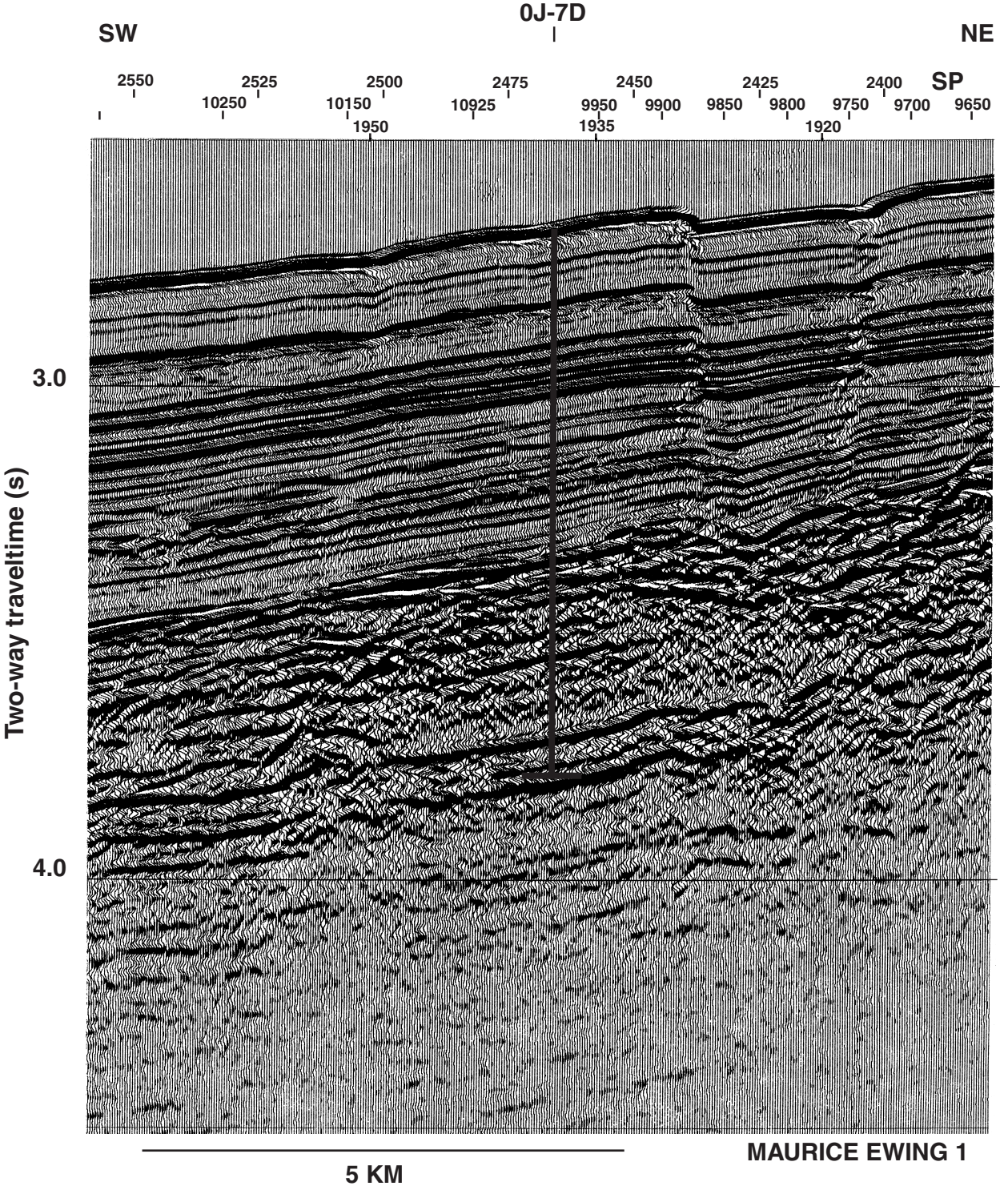
Objectives: The objectives of OJ-6B are to

1. Obtain a minimum of 100 m of basaltic basement to determine lava composition and age.
2. Determine lava-flow thickness and flow morphology and, hence, deduce eruptive environment.
3. Obtain sedimentary record and determine sequence facies from 300 mbsf to the sediment/basement interface.
4. Determine a minimum basement age using overlying sediments and ages of possible sediment interbeds.
5. Define the ages of seismic sequence boundaries.
6. determine early subsidence history and duration of possible subaerial environment.

Drilling Program: Drill without coring to 300 mbsf, then RCB to bottom of hole.

Logging and Downhole: None.

Nature of Rock Anticipated: Chalk, limestone, chert, and basalt.


0J-7D
SW
NE
SP
2550
2525
2500
2475
2450
2425
2400
10250
10150
10925
9950
9900
9850
9800
9750
9700
9650
1950
1935
1920
3.0
4.0
Two-way traveltime (s)
5 KM
MAURICE EWING 1

Site: OJ-7D

Priority: 4
Position: 7°28.22´S, 161°5.99´E
Water Depth: 2003 m
Sediment Thickness: 1200 m
Target Drilling Depth: 1300 mbsf
Approved Maximum Penetration: 1400 mbsf
Seismic Coverage: R/V *Maurice Ewing* EW95-11 Line 1.

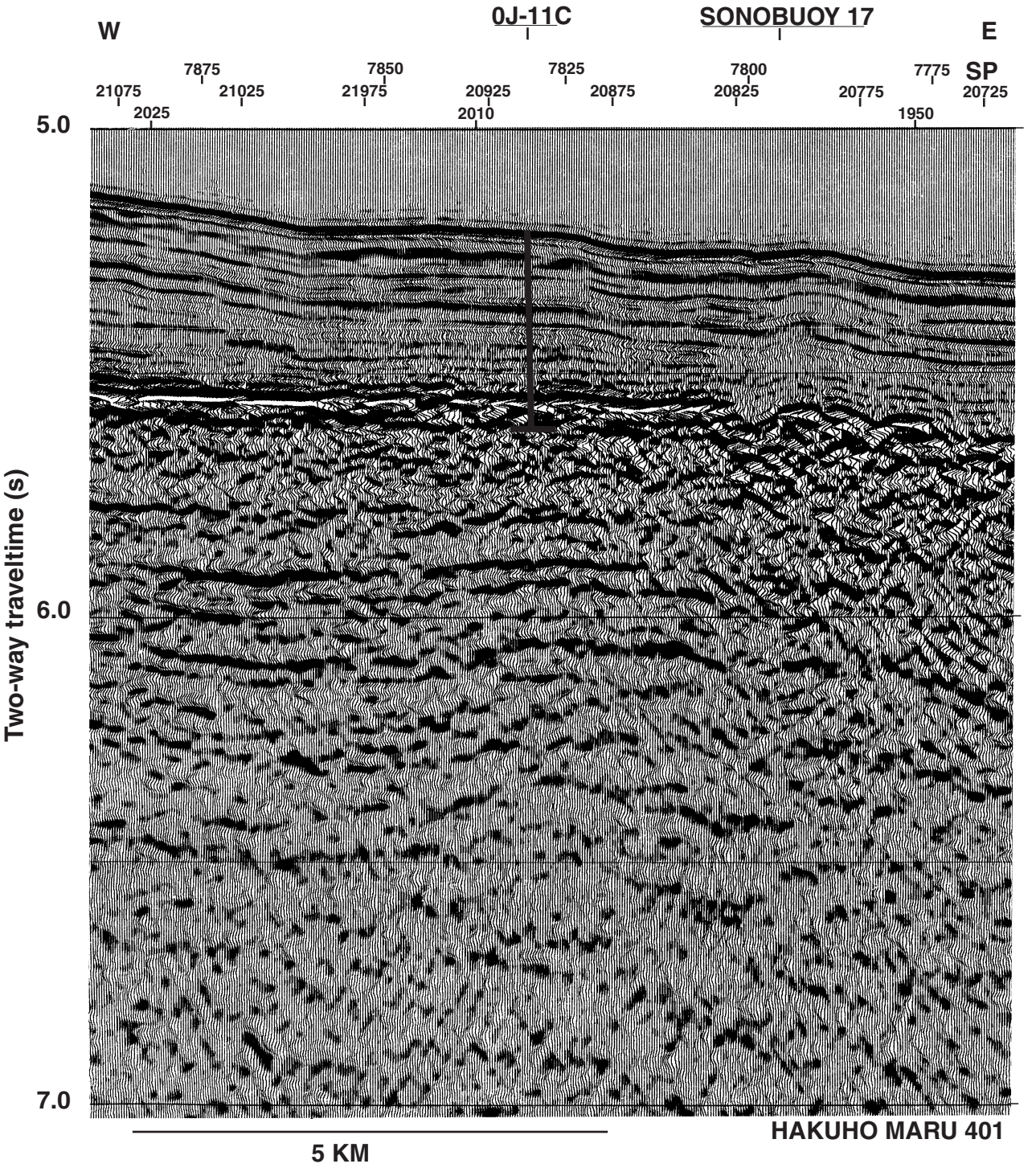
Objectives: The objectives of Site OJ-7D are to

1. Obtain a minimum of 100 m of basaltic basement to determine lava composition and age.
2. Determine lava-flow thickness and flow morphology and, hence, deduce eruptive environment.
3. Obtain sedimentary record and determine sequence facies from 700 mbsf to the sediment/basement interface.
4. Determine a minimum basement age using overlying sediments and ages of possible sediment interbeds.
5. Define the ages of seismic sequence boundaries.
6. Determine early subsidence history and duration of possible subaerial environment.

Drilling Program: Drill without coring to 700 mbsf, then RCB to bottom of hole.

Logging and Downhole: Triple combo, FMS/sonic, and WST (cored section only).

Nature of Rock Anticipated: Limestone, chert, and basalt.


W
0J-11C
SONOBUOY 17
E
SP
7875
7850
7825
7800
7775
21075
21025
21975
20925
20875
20825
20775
20725
2025
2010
1950
5.0
6.0
7.0
Two-way traveltime (s)
5 KM
HAKUHO MARU 401

Site: OJ-11C

Priority: 2
Position: 0°21.46´S, 161°40.06´E
Water Depth: 3915 m
Sediment Thickness: 330 m
Target Drilling Depth: 430 mbsf
Approved Maximum Penetration: 530 mbsf
Seismic Coverage: Multichannel seismic line; R/V *Hakuho Maru* KH98-1 Leg 2 Line 401.

Objectives: The objectives of Site OJ-11C are to

1. Obtain a minimum of 100 m of basaltic basement to determine lava composition and age.
2. Determine lava-flow thickness and flow morphology and, hence, deduce eruptive environment.
3. Obtain sedimentary record and determine sequence facies from 250 mbsf to the sediment/basement interface.
4. Determine a minimum basement age using overlying sediments and ages of possible sediment interbeds.
5. Define the ages of seismic sequence boundaries.
6. Determine early subsidence history and duration of possible subaerial environment.

Drilling Program: Drill without coring to 250 mbsf, then RCB to bottom of hole.

Logging and Downhole: None.

Nature of Rock Anticipated: Chalk, limestone, chert, and basalt.