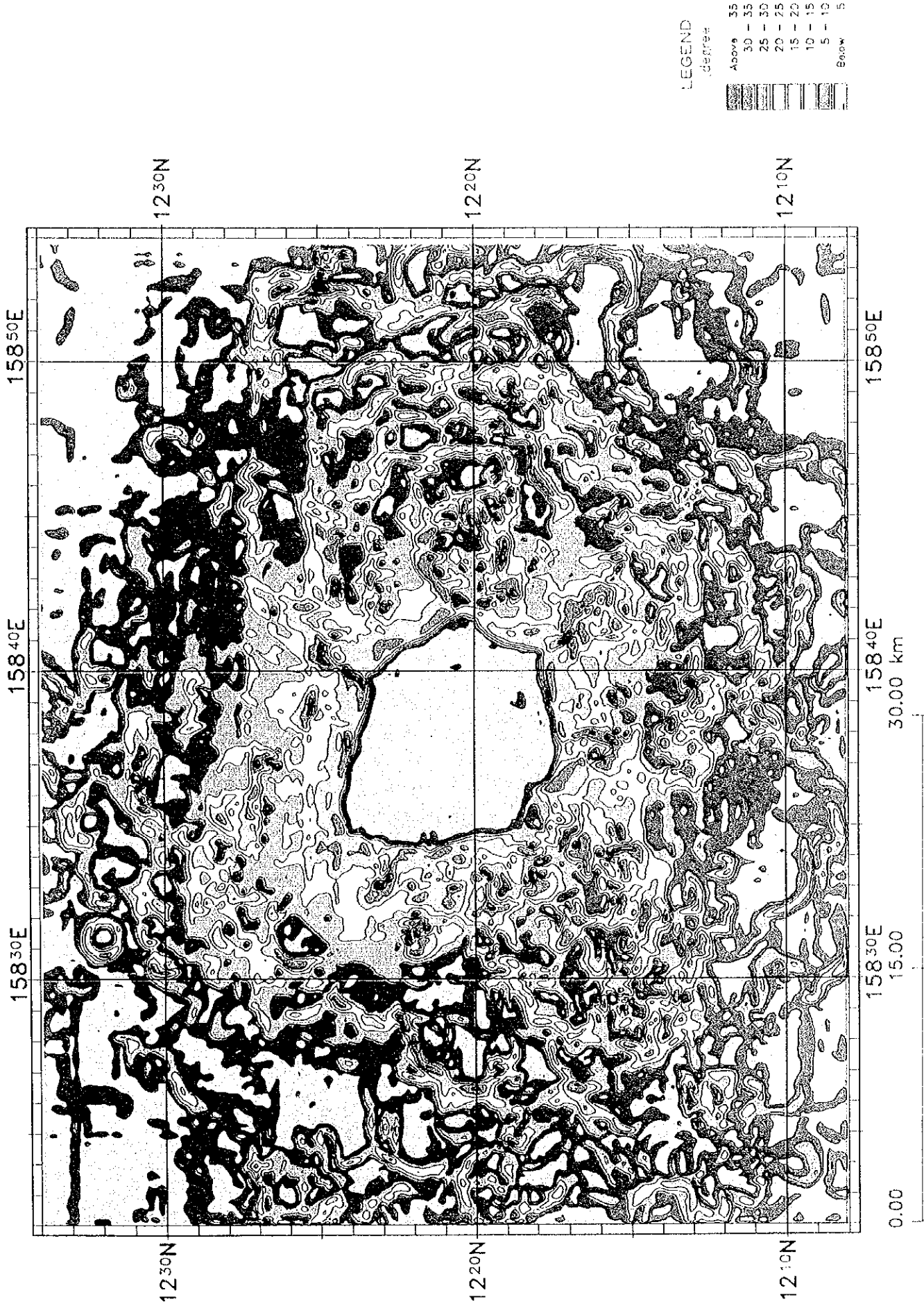
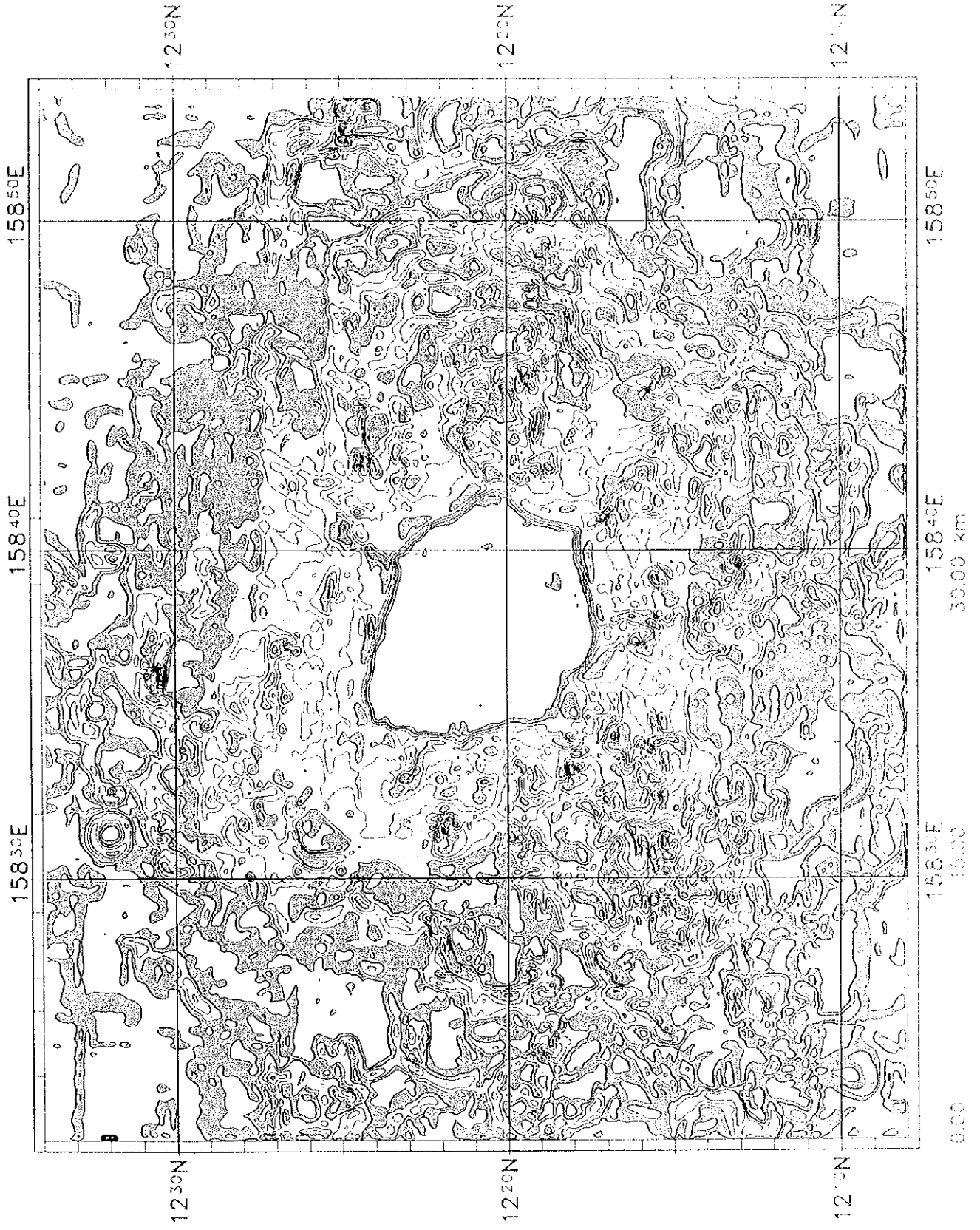


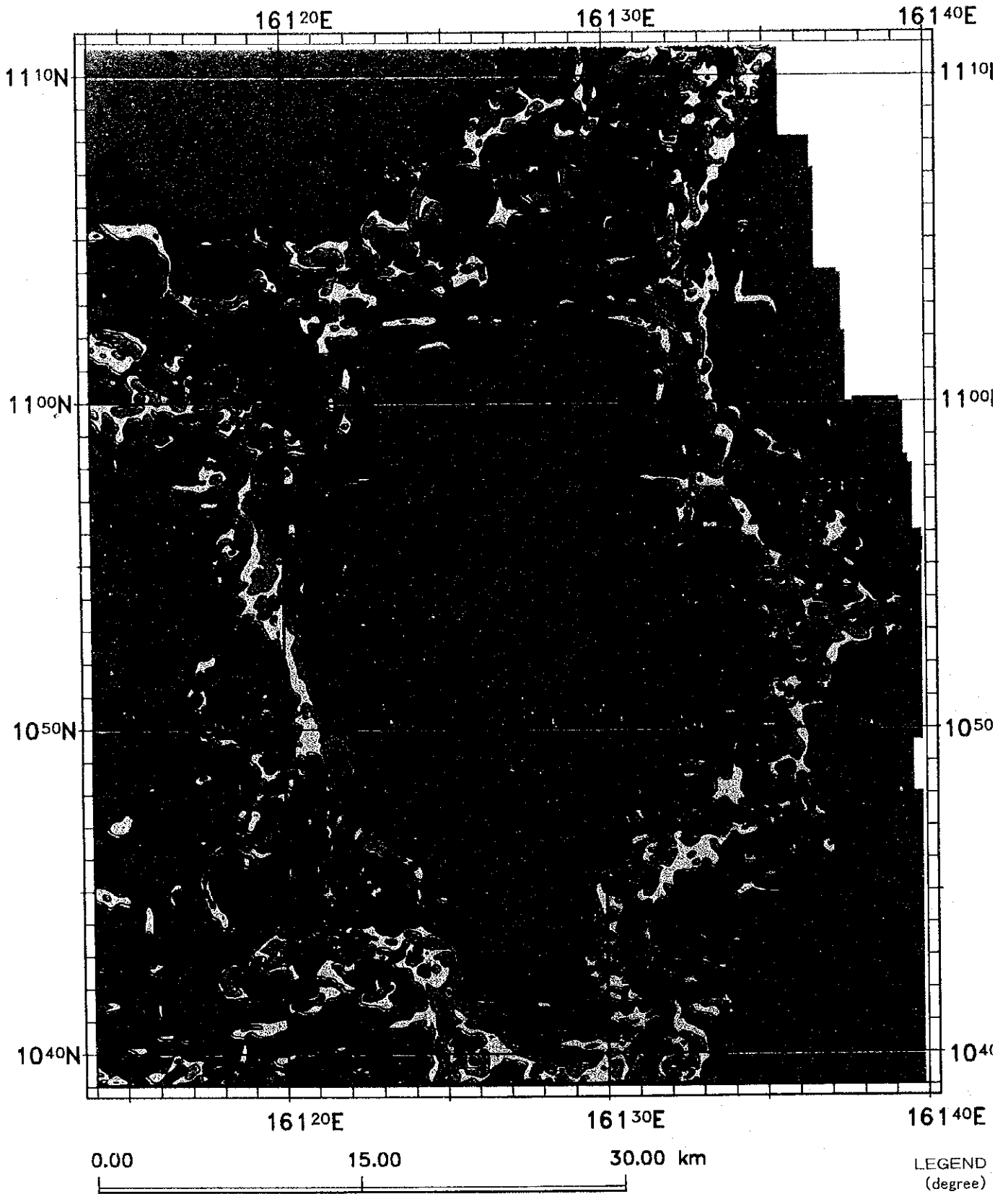
Appendix Fig.3 (1) Topographic gradient map based on MBES of MS10 area.



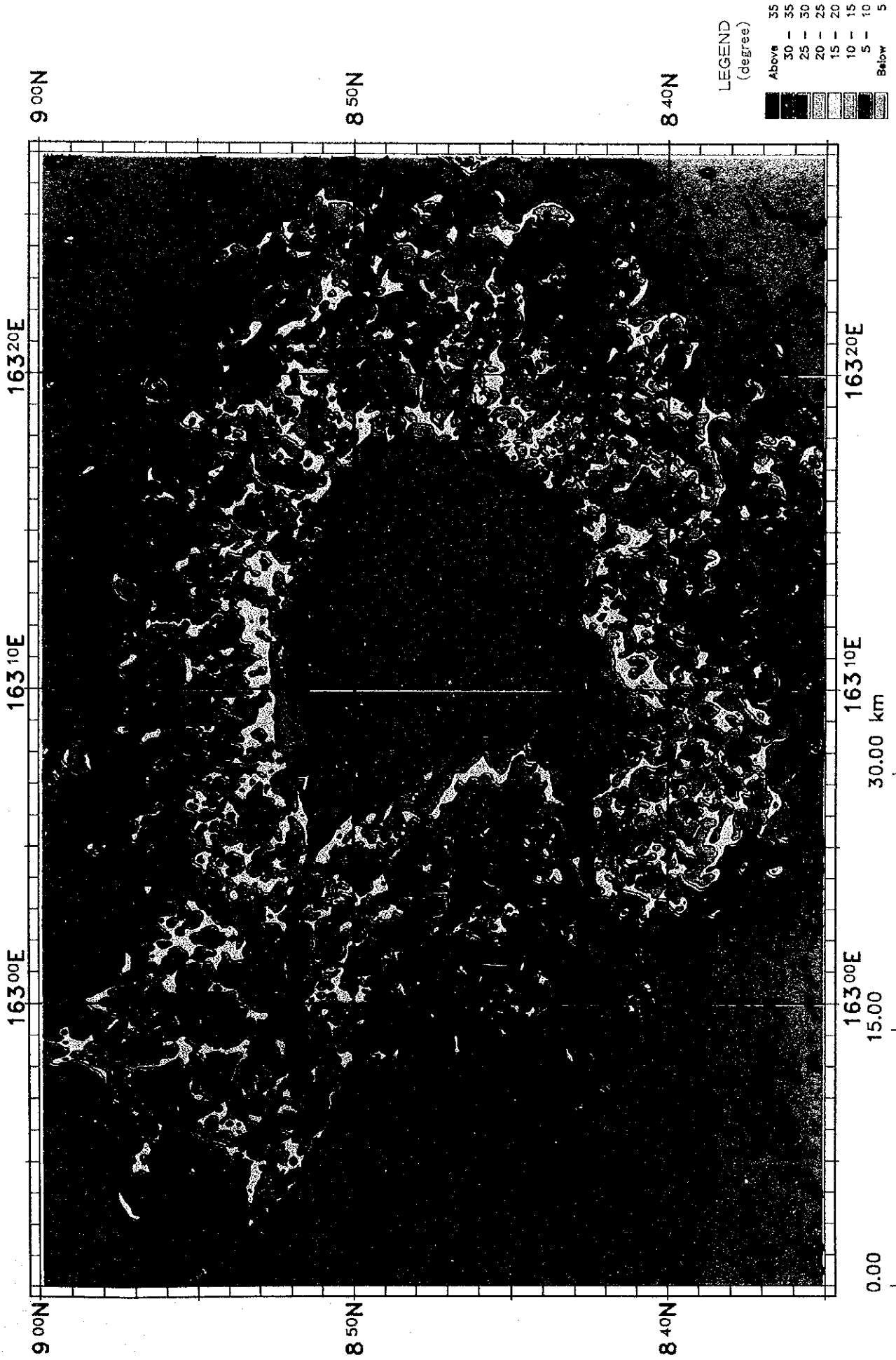
Appendix Fig.3 (1) Topographic gradient map based on MBES of MS10 area.



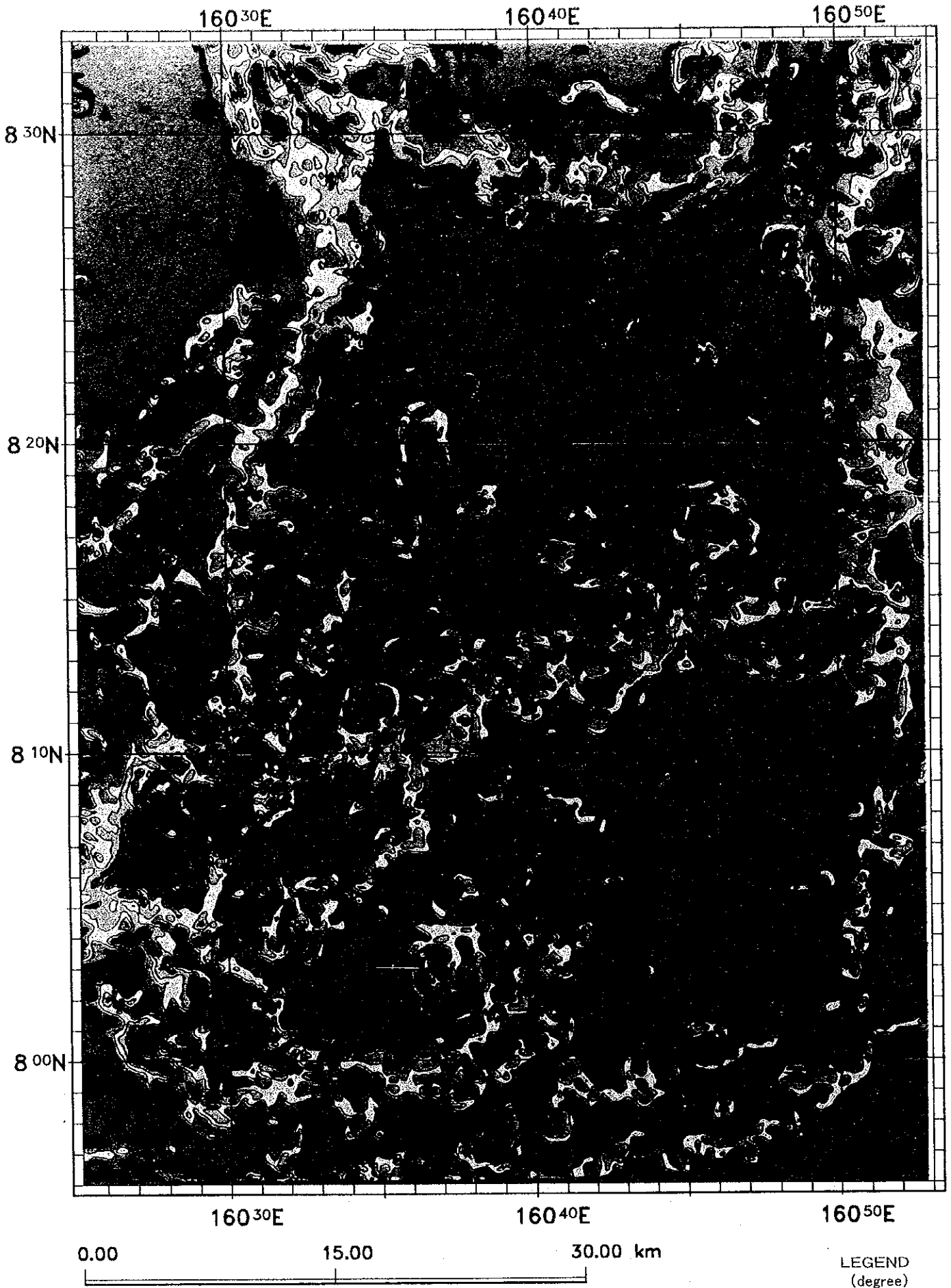
Topographic map based on MBES data. MS10 area.



Appendix Fig.3 (2) Topographic gradient map based on MBES of MS11 area.



Appendix Fig.3 (3) Topographic gradient map based on MBES of MS12 area.



Appendix Fig.3 (4) Topographic gradient map based on MBES of MS13 area.

Sampling No.	Color	Geological column	Description	Thickness (cm)
59R	3/3		Brownish clay Modules (D=1-2cm) sampled at surface part. Substrate are limestone etc. 20cm from surface, water contain high and soft Other part, water contain low and a little hard About 140cm point, foraminifera sand exist Homogeneous clay without sand and silt	352

Sampling No.	Color	Geological column	description	thickness (cm)
			Not sampled	

Sampling No.	Color	Geological column	description	Thickness (cm)
			Not sampled	

Sampling No.	Color	Geological column	Description	Thickness (cm)
75YR	7/4		Calcareous clay Including Foraminifera sand brownish spots scattering which are pipe-like trace. Water content moderate and a little hard.	226

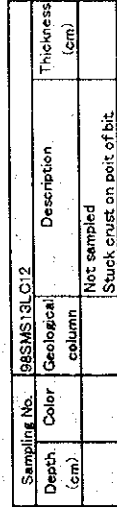
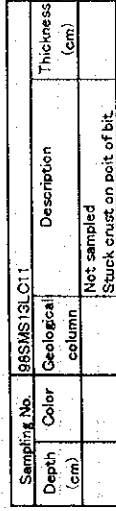
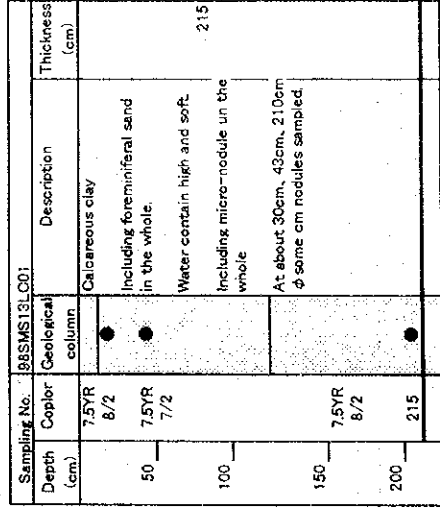
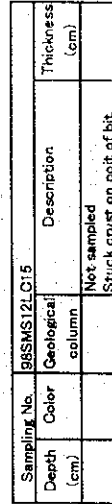
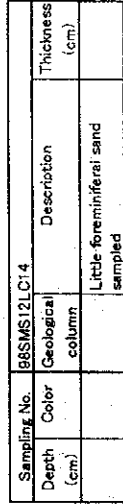
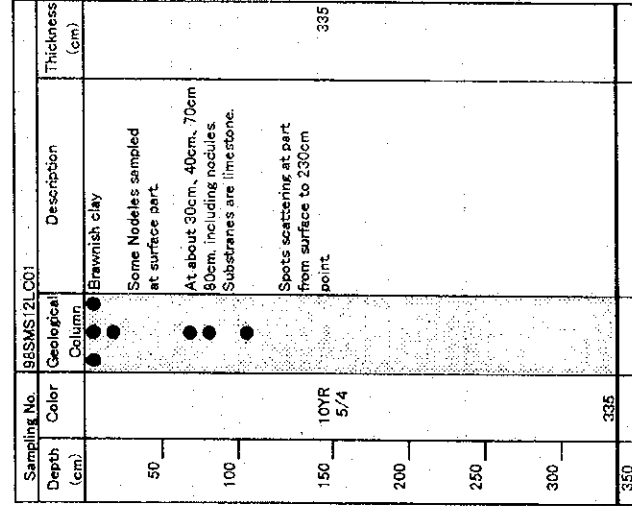
Sampling No.	Color	Geological column	Description	Thickness (cm)
			Not sampled	
			Stuck crust on point of bit	

Sampling No.	Color	Geological Column	Description	Thickness (cm)
			Not sampled	
			Stuck crust on point of bit	

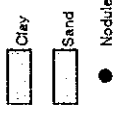
Legend

- Clay
- Sand
- Nodule

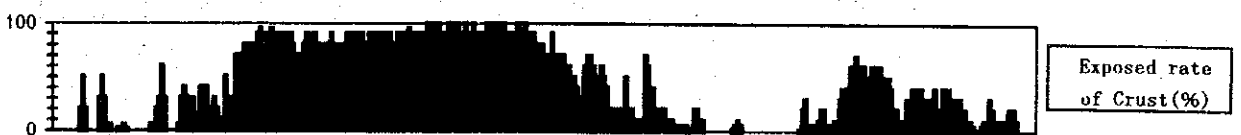
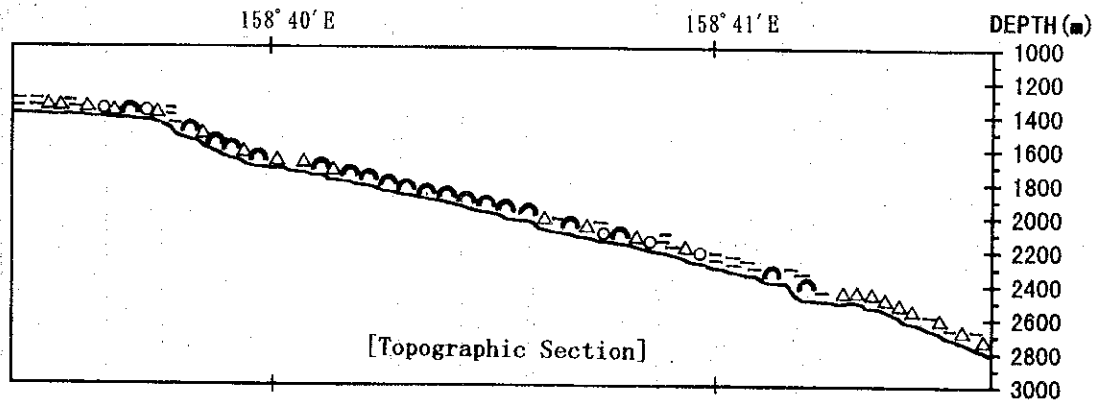
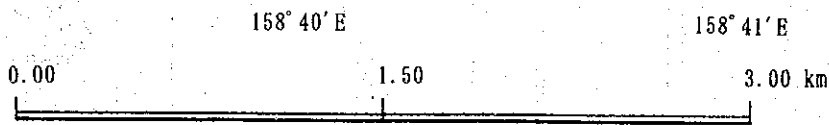
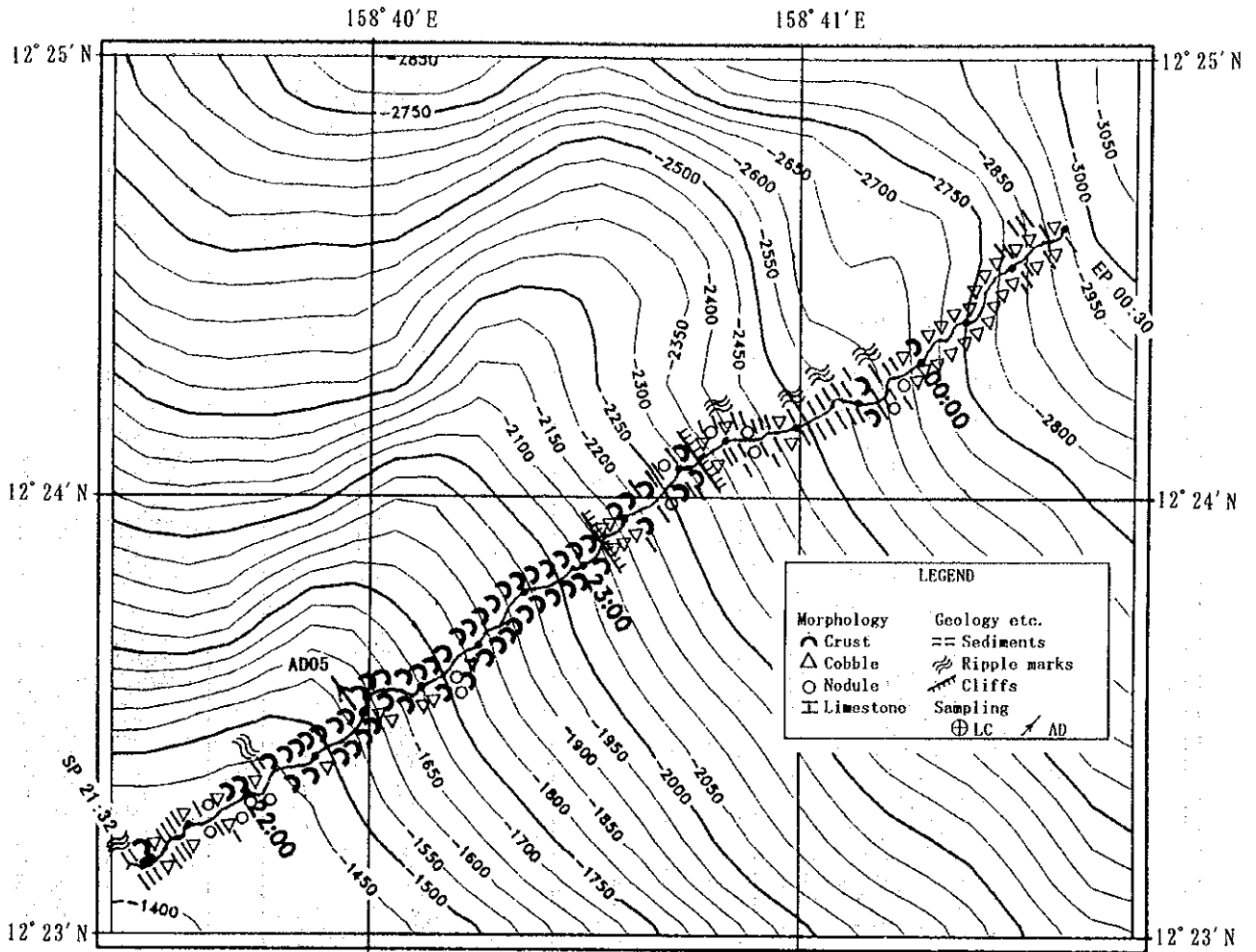
Appendix Fig. 4 (1) Columnar charts of LC core



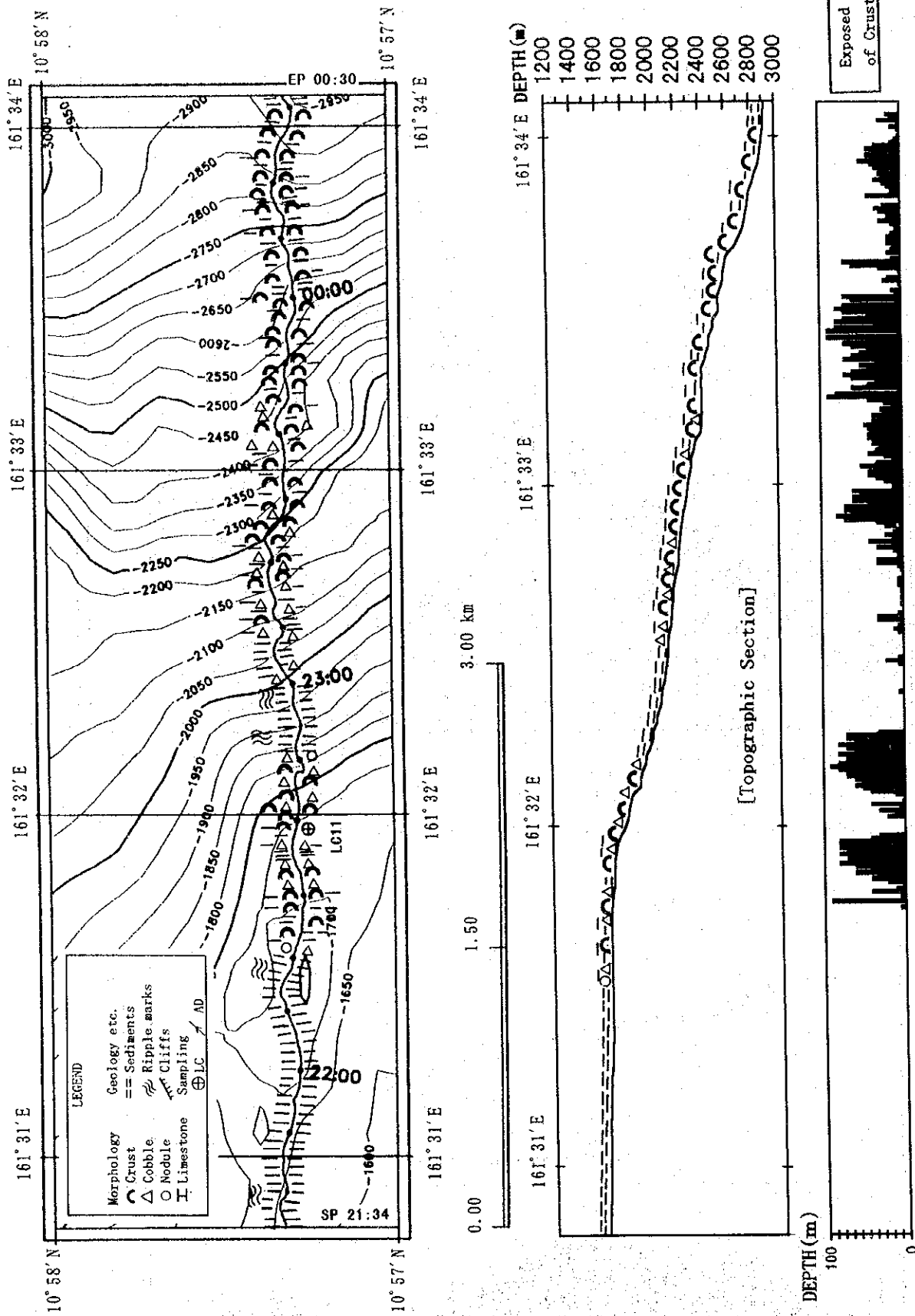
Legend



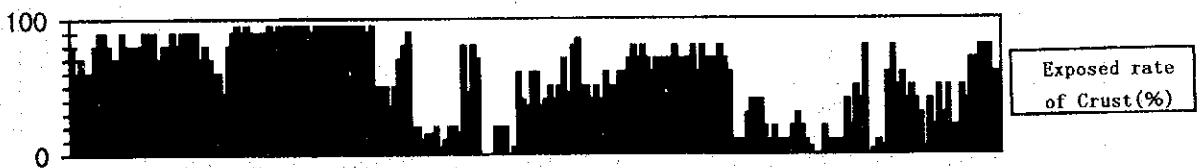
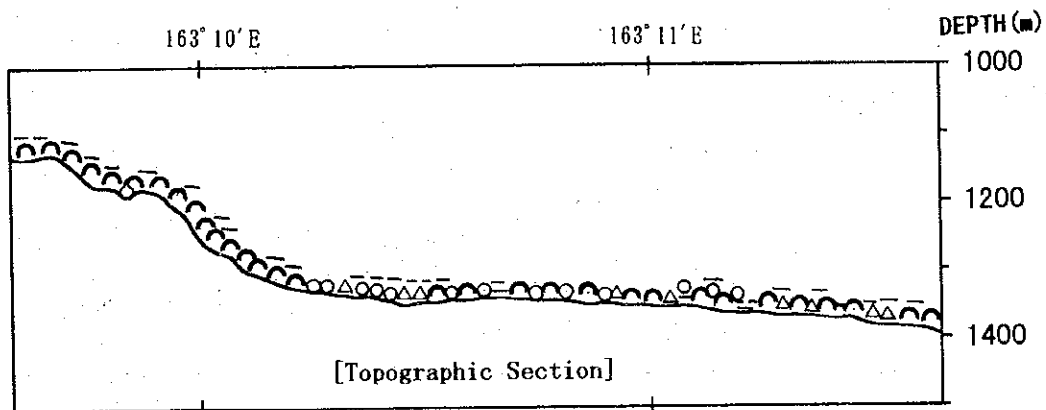
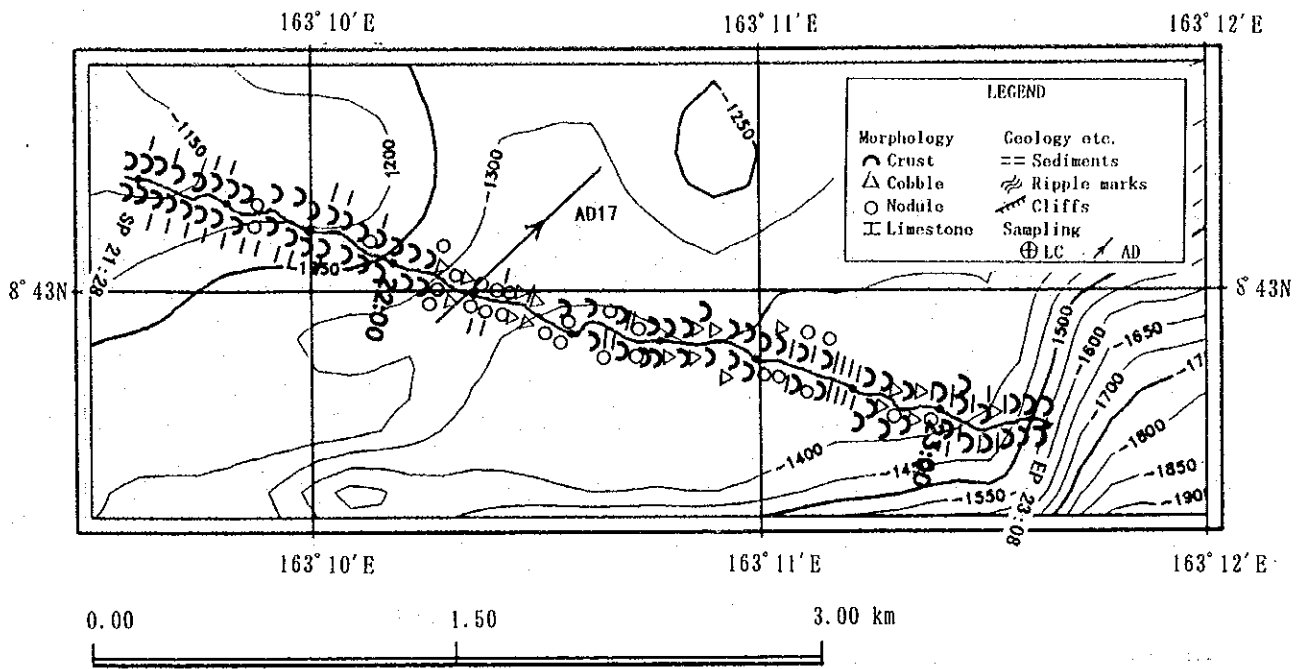
Appendix Fig. 4 (2) Columnar charts of LC core



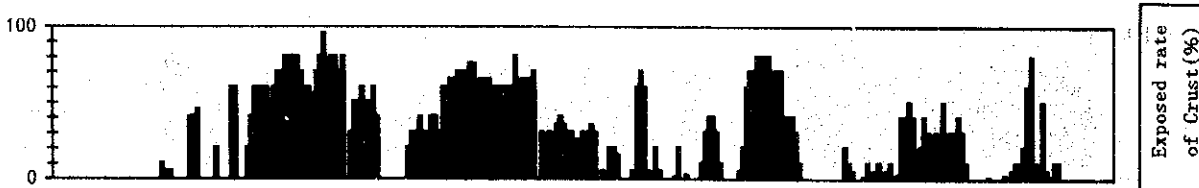
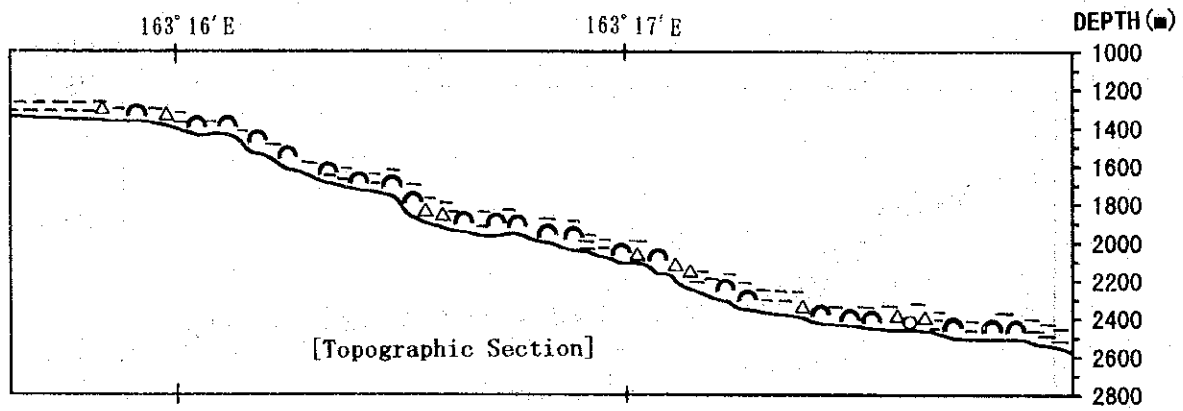
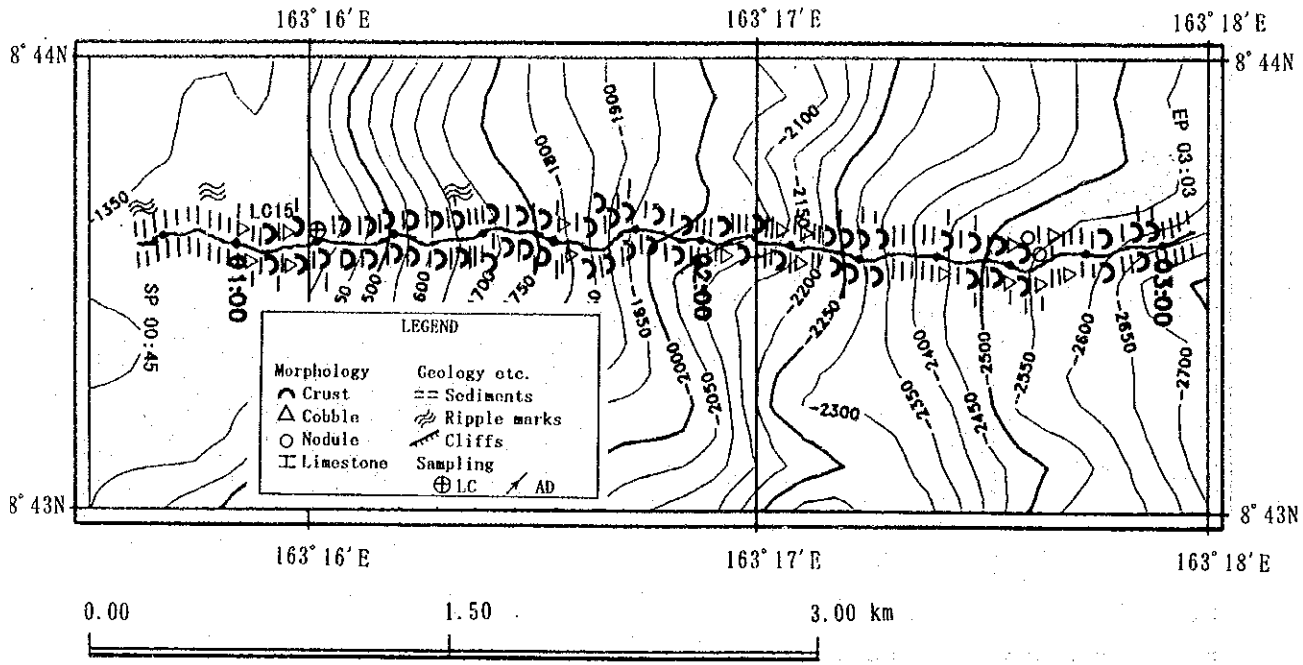
Appendix Fig. 5(1) Route map of FDC observation and exposed rate diagram Of manganese crusts (MS10 area : Line 98SMS10FDC01)



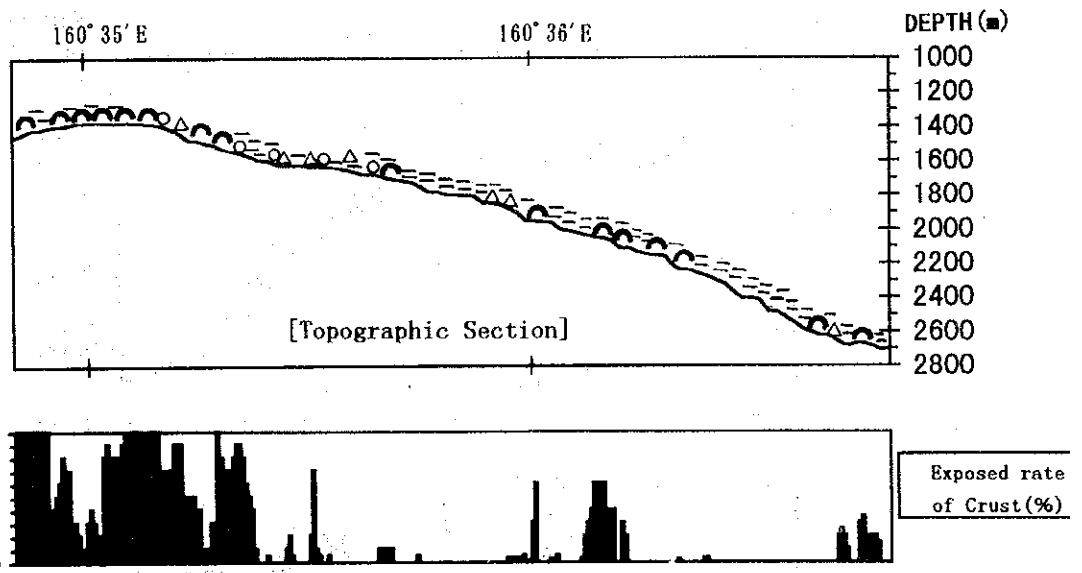
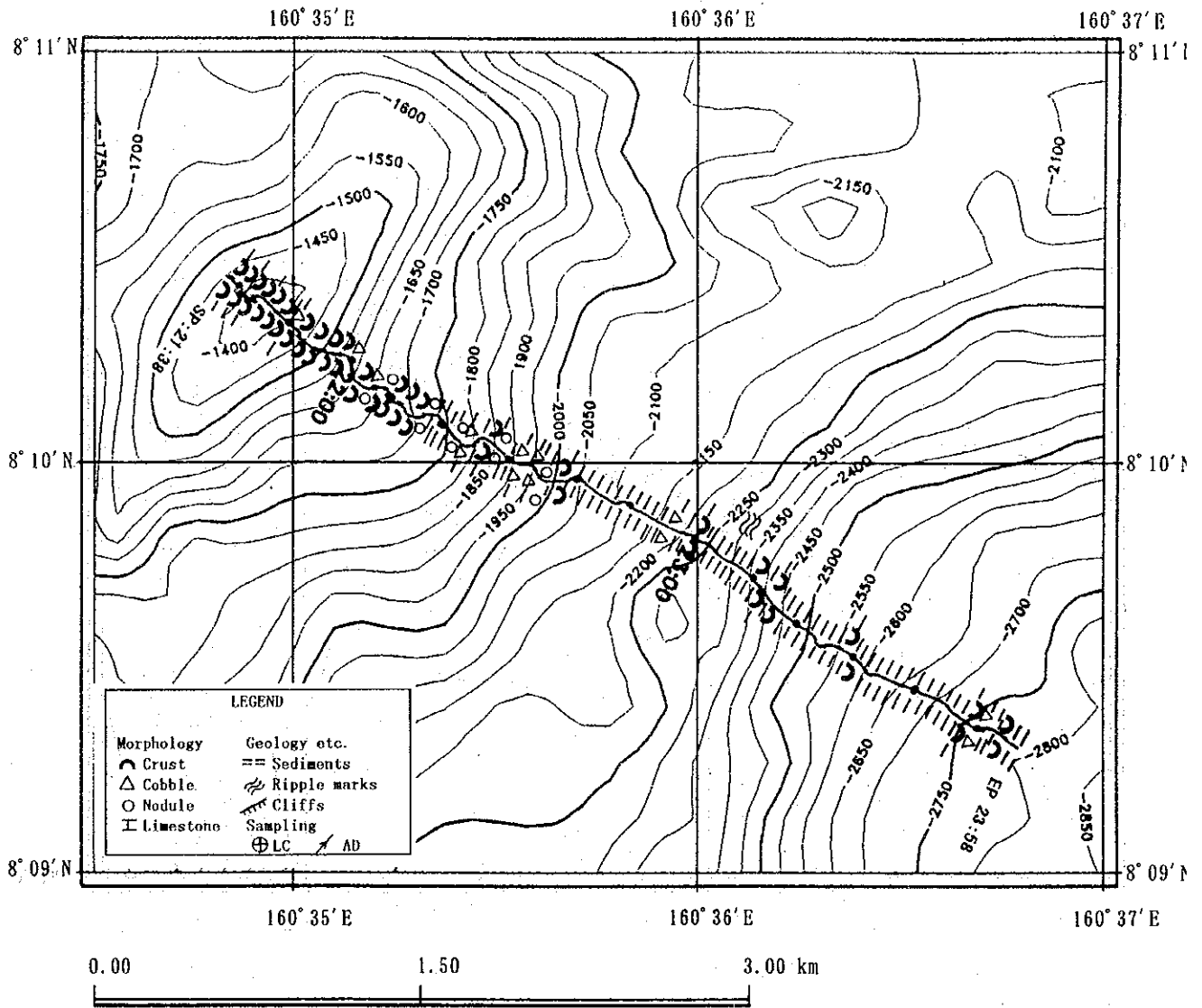
Appendix Fig. 5(2) Route map of FDC observation and exposed rate diagram
Of manganese crusts (MS11 area : Line 98SMS11FDC01)



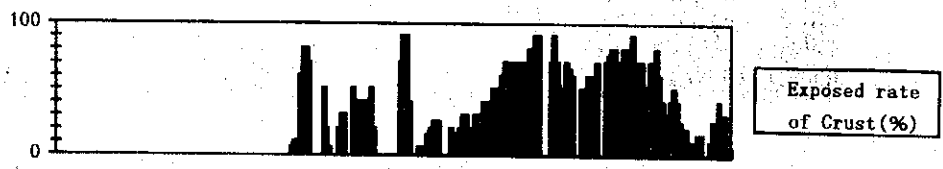
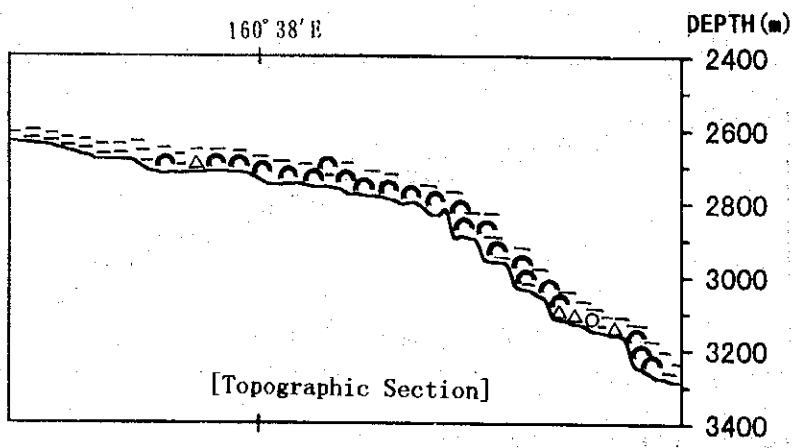
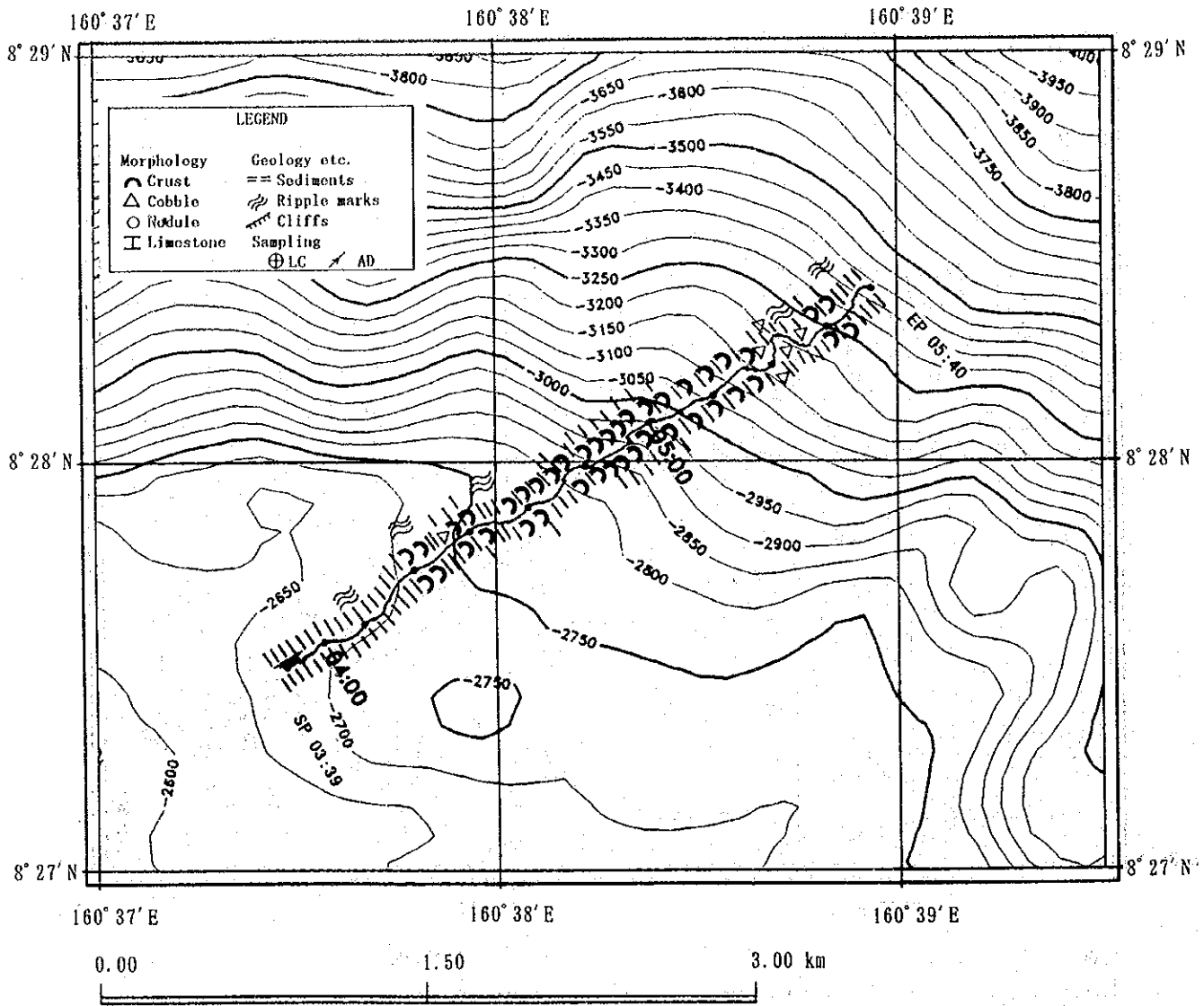
Appendix Fig. 5(3) Route map of FDC observation and exposed rate diagram
Of manganese crusts (MS12 area : Line 98SMS12FDC01)



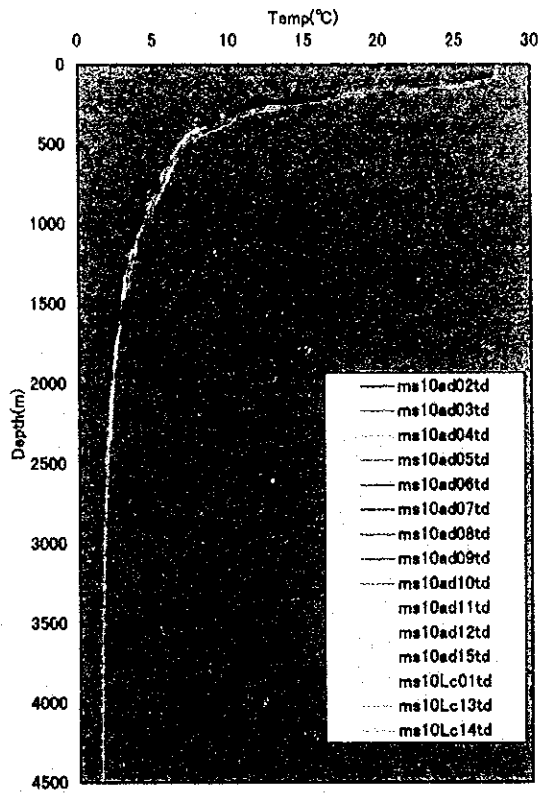
Appendix Fig. 5(4) Route map of FDC observation and exposed rate diagram
Of manganese crusts (MS12 area : Line 98SMS12FDC02)



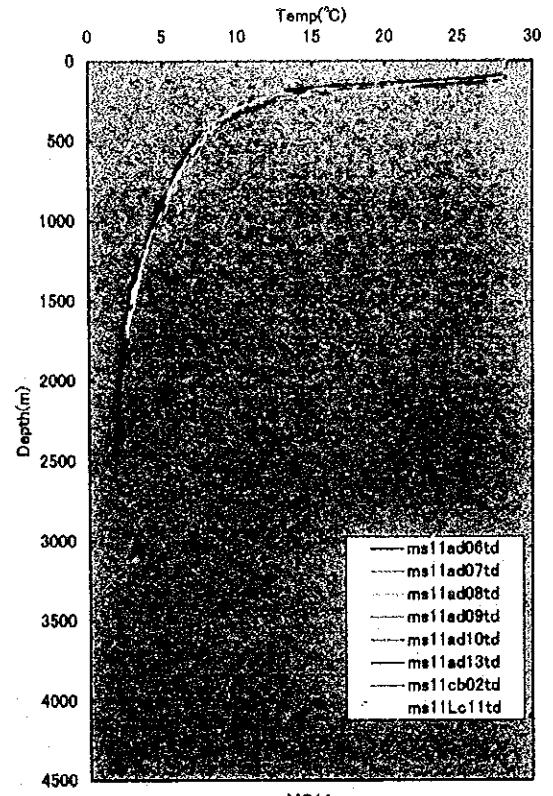
Appendix Fig. 5(5) Route map of FDC observation and exposed rate diagram of manganese crusts (MS13 area : Line 98SMS13FDC01)



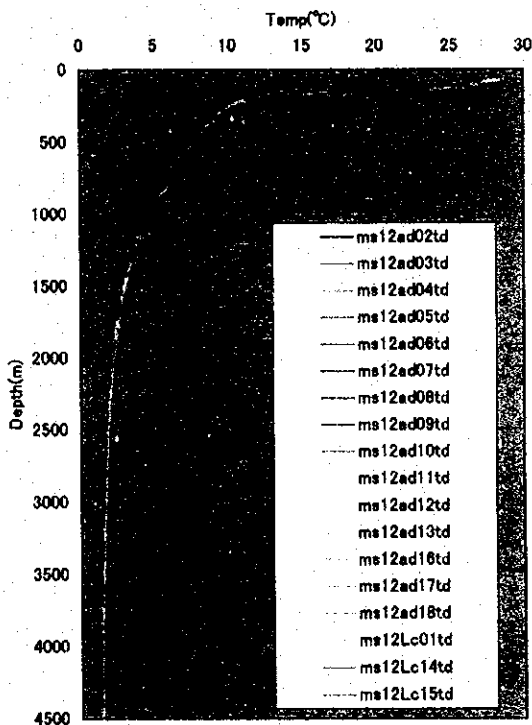
Appendix Fig. 5(6) Route map of FDC observation and exposed rate diagram Of manganese crusts (MS13 area : Line 98SMS13FDC02)



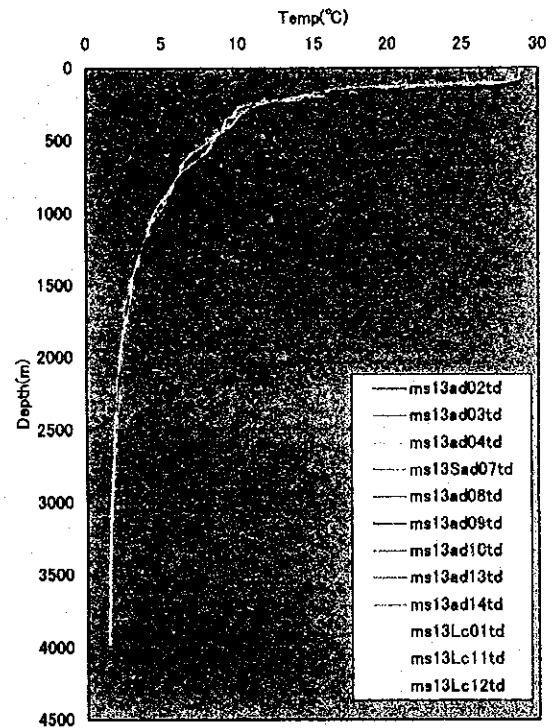
MS10 area



MS11 area

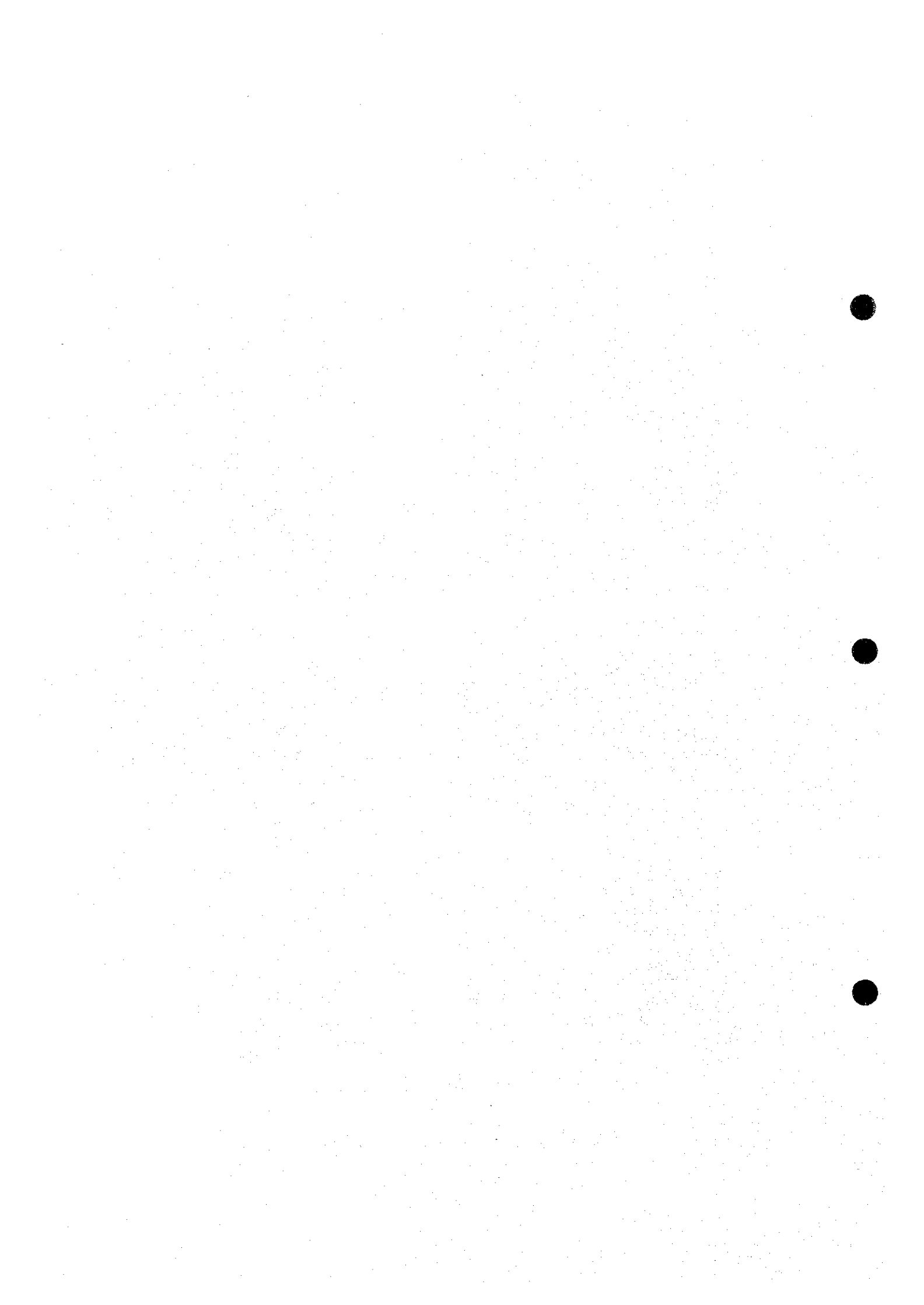


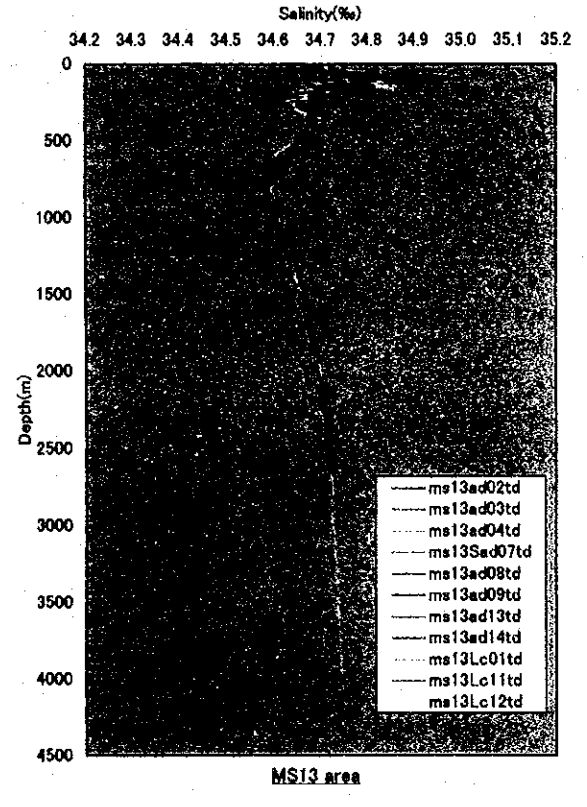
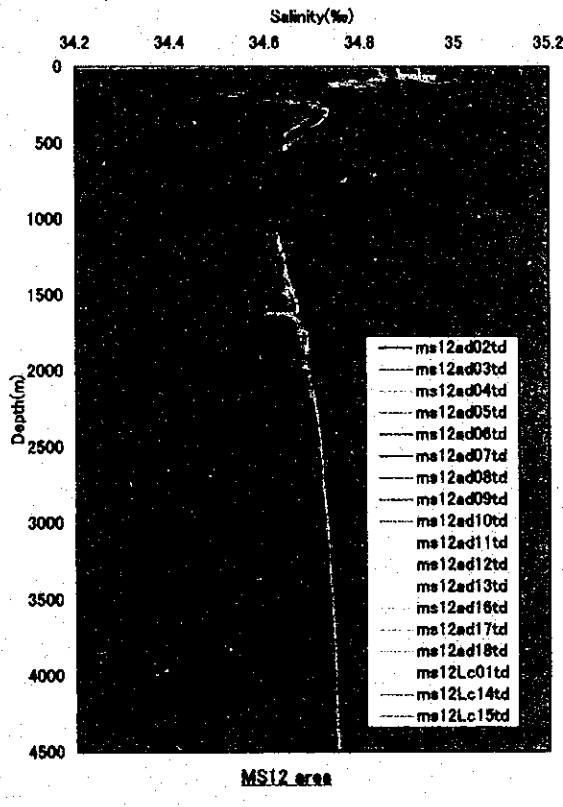
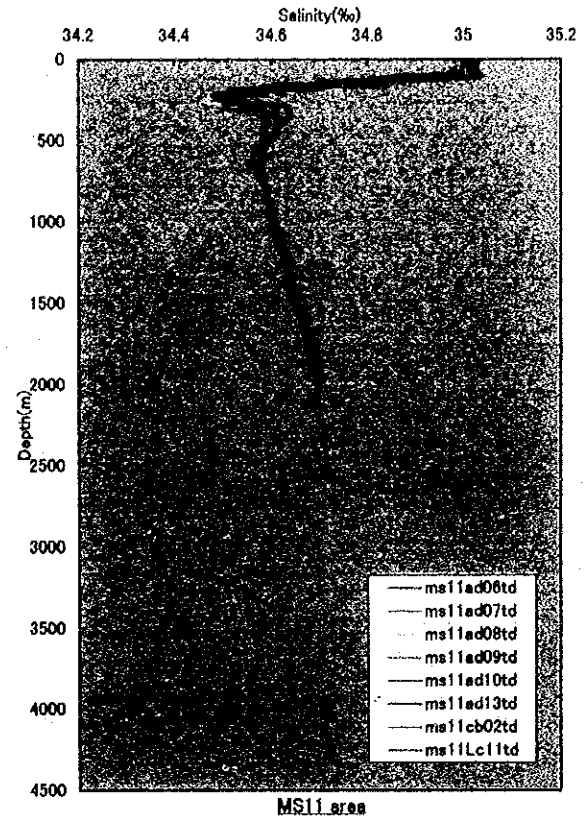
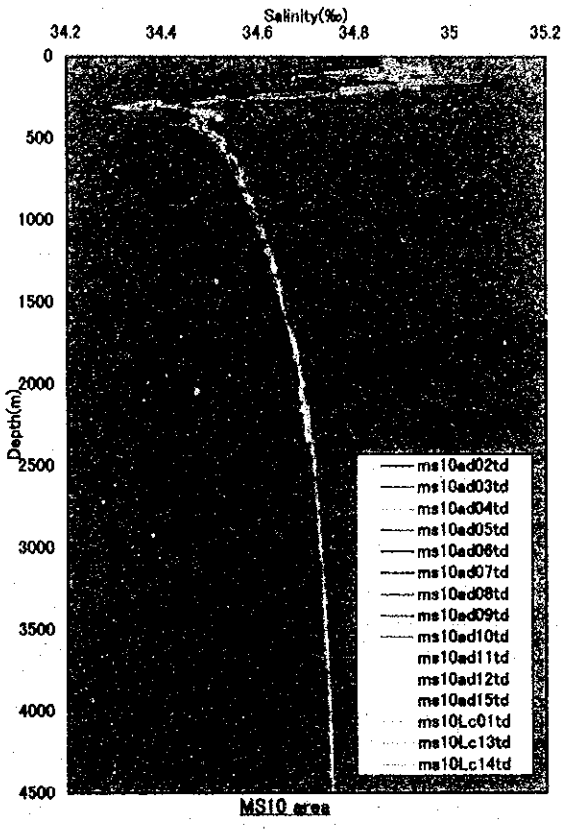
MS12 area



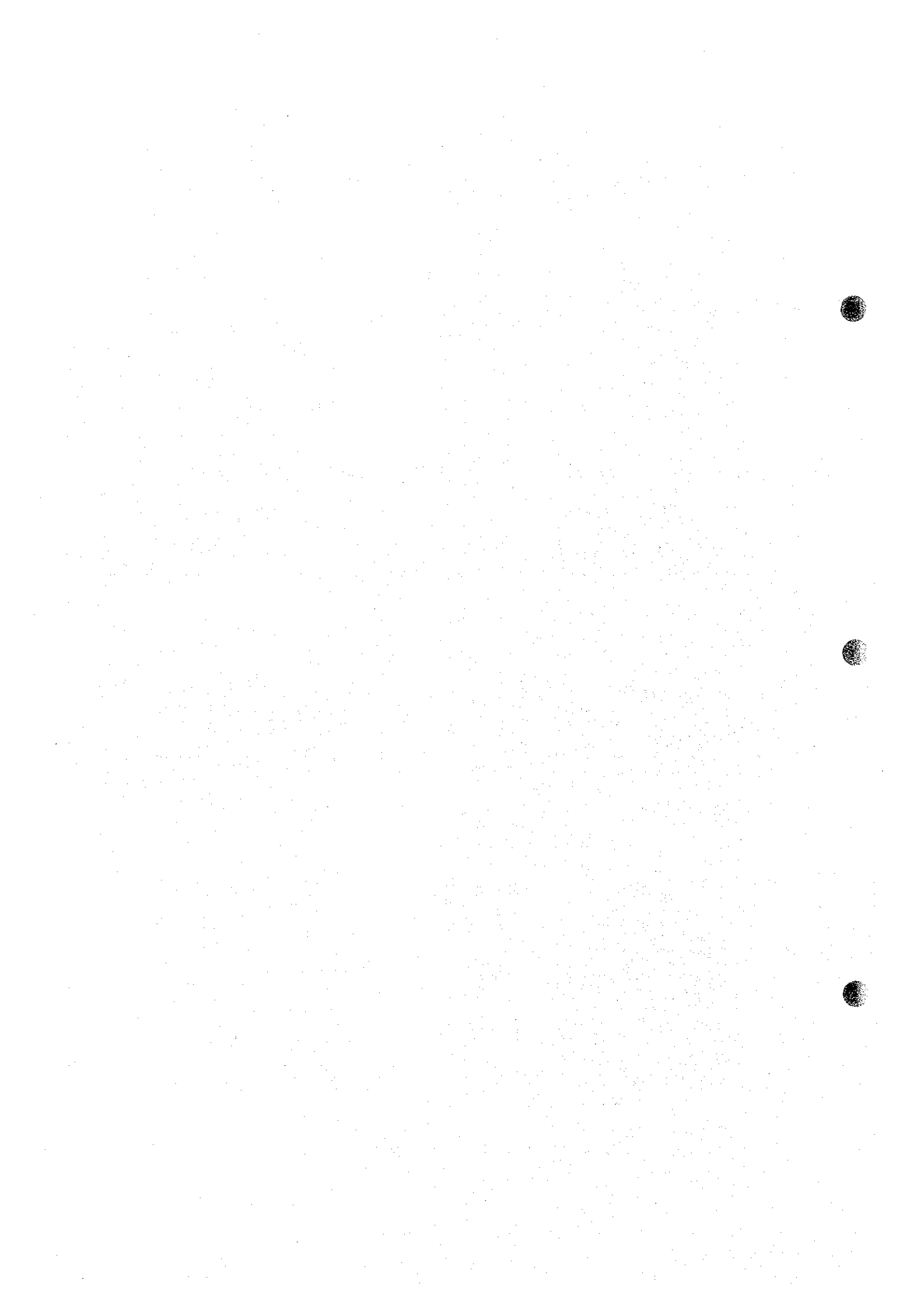
MS13 area

Appendix Fig.6(1) Results of CTD measurement (Temperature)





Appendix Fig.6(2) Results of CTD measurement (Salinity)



JICA