

Geological map with profiles of the Monte Sirino area (SW Lucania, Italy)

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Bedding (dip-azimuth and dip shown): normal \ overthrust / vertical / horizontal +

Cleavage (dip-azimuth and dip shown) \

Minor fold axes /

Fold axial traces (direction of dip of the axial surface shown): anticlines ○

synclines ✕

Thrust faults ↗

Undifferentiated faults ↘

F [vertical lines] "Chaotic terranes": argillites containing disrupted sandstones, calcilutites, cherts, microbreccias with nummulites, Lepidocyclus, Amphistegina, Mogyopsis.

Aiburno-Cervati Unit (Western Platform)

A-C [horizontal lines] Calcareous with Micryponsa; limestones with Spirulae, rudist limestones, calcilutites, calcarenites and algal dolitic limestones; limestones with Lithocodium, dolomitic limestones and dolomites with Gervillea exilis. UPPER TRIASSIC - MIOCENE

Monte Foraporta Unit

TP [diagonal lines] Tempa Pertusata slice. Thin-bedded limestones, marly limestones, marls and shales with radiolarians, ostracods, Ammodiscidae, Valvulinidae, ammonites, brachiopods, Globobactre Alpina, Litulidae, Textularidae. LIASSIC - DOGGER

C [diagonal lines] Carcuni slice. Thinly laminated black dolomites with rare mollusc and echinoid fragments, ostracods, Nodosariidae. UPPER TRIASSIC? - LOWER LIASSIC?

N [diagonal lines] Nizzullo slice. White to grey dolomites with rare echinoid and mollusc fragments, algal remnants. UPPER TRIASSIC?

Lagonegro Unit II

G₂ [diagonal lines] Galestri: alternating argillites, marls, graded calcarenites and calcilutites with rare Calpionella sp., Protopenoporis sp., Trocholina sp. LOWER CRETACEOUS

Ss₂ [diagonal lines] Scisti silicei: polychrome radiolarites and siliceous argillites with rare intercalations of (mostly silicified) graded calcarenites. In the calcarenous, Protopenoporis striata and Nautilocula colitica. JURASSIC

Cs₂ [diagonal lines] Calcarci con selce: grey calcilutites with Halobia sp. and posidoniids, intraformational conglomerates, bands and nodules of chert. NORIAN - CARNIAN

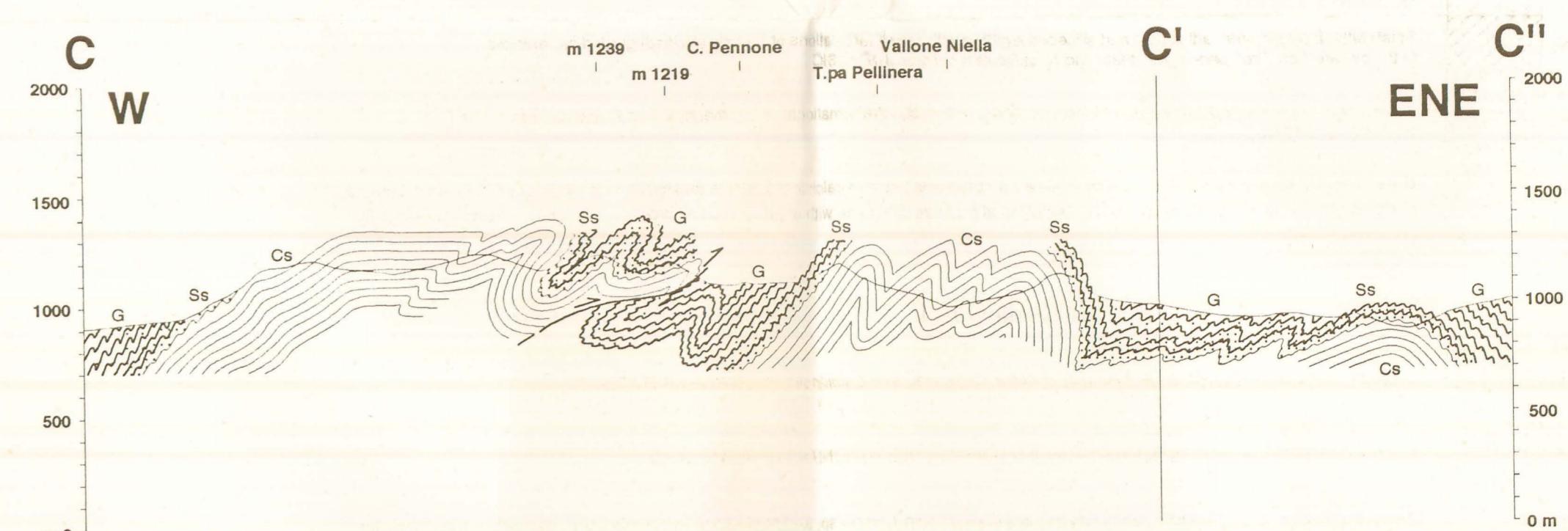
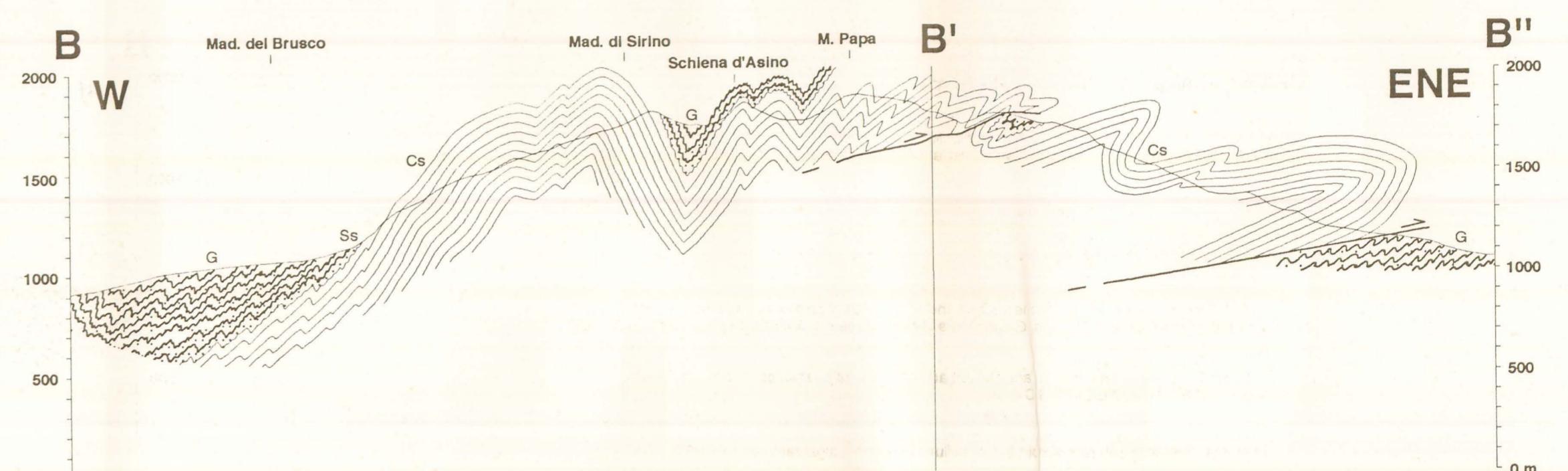
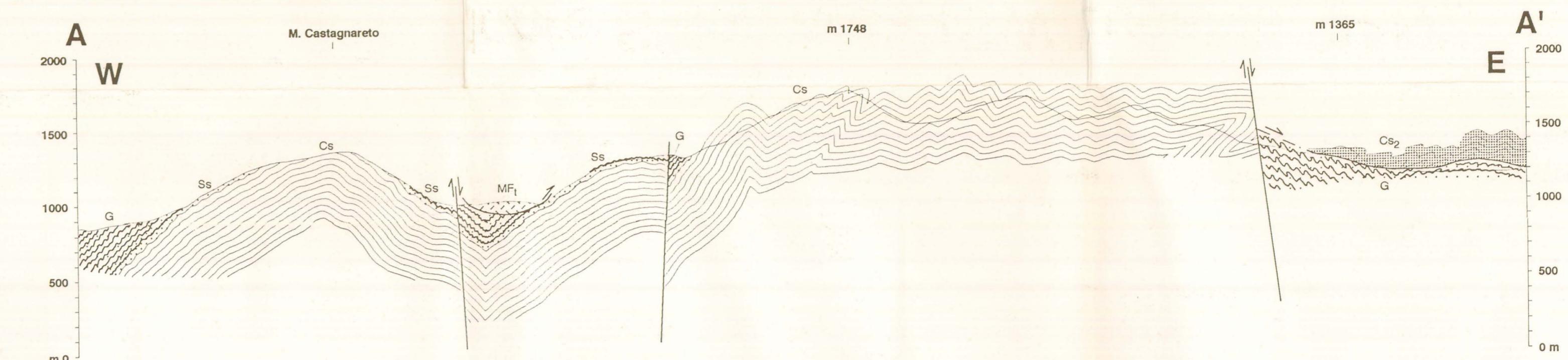
MF₁ [diagonal lines] Monte Facito Fm.: shales interbedded with shallow-water calcarenites and calcilutites, siltites and micaceous sandstones (MF₁). In the shales, Daonella lommeli, D. taramelli, brachiopods. Olistoliths of massive limestone with algae, molluscs, brachiopods (MF₂). LADINIAN - ANISIAN

Lagonegro Unit I

G [dotted pattern] Galestri: alternating dark argillites and strongly siliceous calcilutites with Calpionella sp. LOWER CRETACEOUS

Ss [dotted pattern] Scisti silicei: polychrome radiolarites and siliceous argillites. MIDDLE TITHONIAN - UPPER NORIAN

Cs [white] Calcarci con selce: calcilutites with bands and nodules of chert, with Halobia sp. and posidoniids. In the lower part, alternating marls, argillites and grey calcilutites. NORIAN - CARNIAN



D SSW

m 0

Mad. di Sirino

m 1866

NNE

m 0

m 0

m 1866

m 0