

<b>O16-3</b>	<b>STRATIGRAPHIC SEDIMENTATION OF QUARTER SEDIMENTS OF THE SOUTH BULGARIAN BLACK SEA SHELF BASED ON SEISMOSTRATIGRAPHIC ANALYSIS</b>
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The research presented here is based on seismostratigraphic interpretation of seismoacoustic profiles done during Sredetska'88 expedition. Moskow seismostratigraphic school methods are used in the analysis.

As a result of this interpretation 9 seismic packets are defined fixing the sediments in the 9 changes of the sea level during the Quarter period (5 rises and 4 falls). The sinking speed of underlying strata during sedimentation was comparatively constant. No big tectonic disturbances were fixed. The sediment volume formed as a result of Quarter sedimentation is a fall with a shape coming close to a symmetrical one. Most powerful is the sedimentation volume accumulated during the Carangate transgression.

The sedimentation volume accumulated during the last rise of the sea level (Novoevksin-Holotsen transgression) is all pervasive and the area it fixed is by far larger than the sedimentation area taken by the previous 8 changes of sea shelf during the Quarter period.