

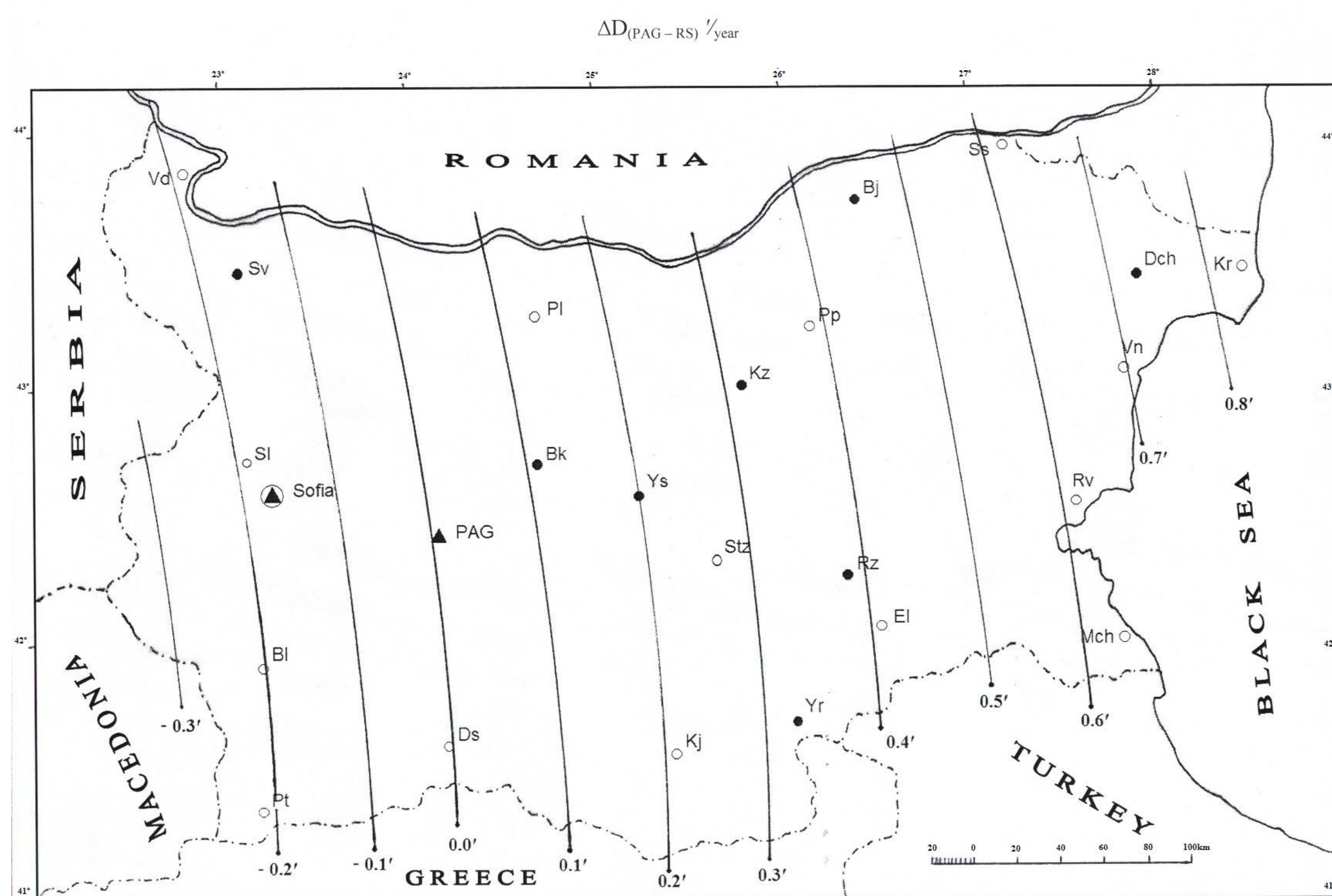
Repeat station network in Bulgaria

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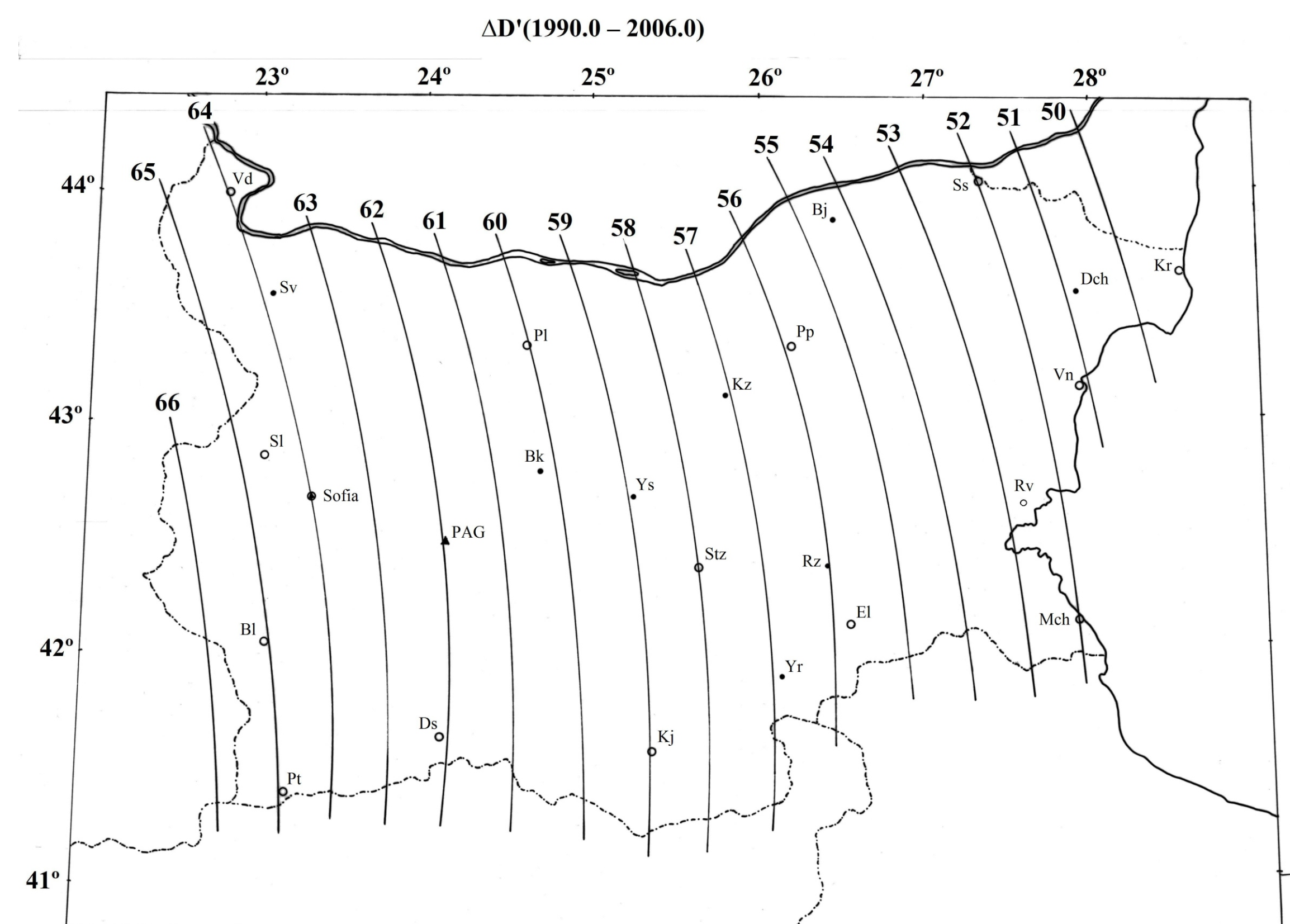
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Fifteen repeat station sites in Bulgaria which are points from geodetic network are discussed. They are spaced at a distance of about 100 km. All points are investigated, stabilized and later on some of them are duplicated and secured with permanent miras (target points). Up to 1980 they have been measured every three years and after then – every five years. Since 1990 repeat station measurements have not been carried out for financial reasons. Based on the observatory and repeat station data reduced declination map for epoch 1990.0 to epoch 2006.0 has been drawn up. Differences in the secular variations between PAG observatory and the repeat station points on the territory of Bulgaria were used for calculating the reduction values.

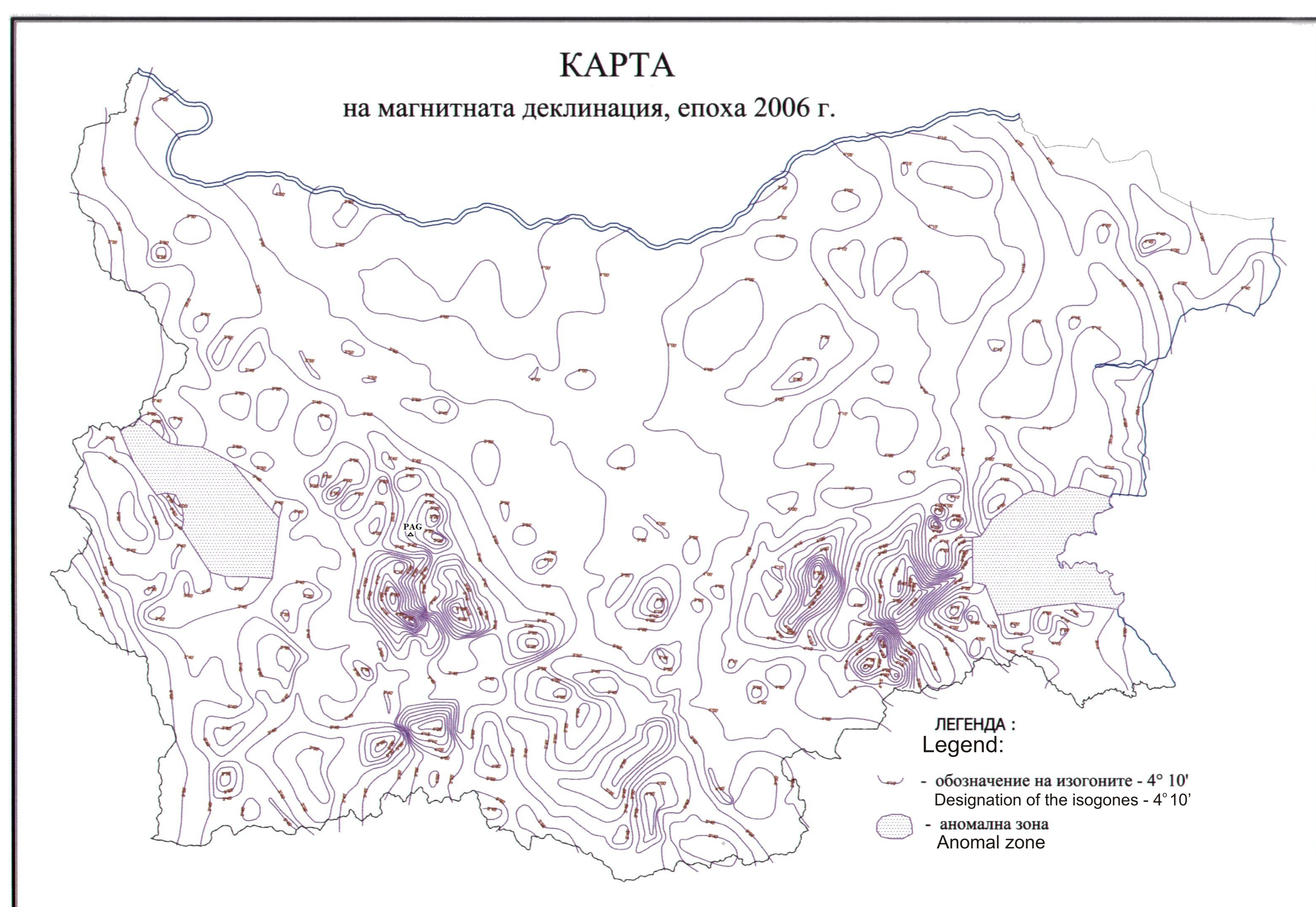


Annual declination change distribution (in reference to PAG Observatory) on the territory of Bulgaria within the period 1990.0 - 2006.0



Declination change distribution (in minutes) on the territory of Bulgaria within the period 1990.0 - 2006.0

• First class points ○ Repeat stations ▲ Geomagnetic Observatory PAG



Map of the geomagnetic declination, epoch 2006.0