



1970-1982	Long path Differential Optical Absorption Spectroscopy (DOAS) developed by D. Perner and U. Pl SAOZ Balloon instruments (Pommereau)
	Noxon then later Mount and Solomon ground based Zemith sky and SME.
03 -1985	MAP (Measurement of Atmospheric Pollution) proposal idea to ESA for EURECA first attempt to apply DOAS from Space - Burrows and Perner no significant agency response - ignored,
05-1985	Stratospheric Ozone hole observed by Farman et al (Nature).
1985 - 07-1988	Development and submission of the SCIAMACHY (Scanning Imaging Absorption Spectrometer for atmospheric CHartographY) proposal, supported by Germany in response to ESA call for instruments for the Polar Platform - now called ENVISAT. Simultaneous Limb and Nadir observations to separate mesosphere, stratosphere and tropospher
12- 1988	Proposal of SCIA-mini in response to ESA call for an atmospheric constituents monitor on ERS-2 Simultaneous - Limb and Nadir - UV visible only!!!
1989	SCIA-mini selected by ESA but descoped of <i>SCIA-mini</i> to GOME (Global Ozone Monitoring Experiment)
1990-1994	GOME designed - basis SCIAMACHY nadir - constructed, characterised, and calibrated.
20-04-1995	Launch of ERS-2 with GOME















