

- o Ionosondes
- o Coherent oblique-incidence radio-sounding systems
- o Incoherent-scatter radars
- o D-region absorption measurements
- o Ionospheric modification by HF transmitters
- © Space-based systems
 - o A history of Earth-satellite and radio-rocket probing
 - o Basic principles of operation and current-deployment of radio beacon experiments
 - o Topside sounders
 - o In situ techniques for satellites and rockets
 - o Capabilities and limitations
 - o Other techniques
 - o HF spaced-receiver and Doppler systems
 - o The HF Doppler technique
 - o Ionospheric imaging
 - o Magnetometers
- © Software application and implementation
- © Data analysis using different softwares

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