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🌐 Detection of Equatorial Plasma Bubbles

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COMMENTS  0

ABSTRACT

Slant Total Electron Content values from Global Navigation Satellite System are used to detect the Equatorial Plasma Bubbles in the Ionosphere.

PROTOCOL CITATION

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1    Download GPS data from SOPAC website in RINEX format

2    Data is converted from RINEX to .cmn format using GPS TEC software

3    Calculate ROT and ROTI

4    Difference between Evening ROTI and Day time ROTI is calculated

5    If the difference exceeds 0.05, then Equatorial Plasma Bubble is Detected