



ICTP CALIBRATED TEC SERVICE



Sharing Data To Facilitate Research



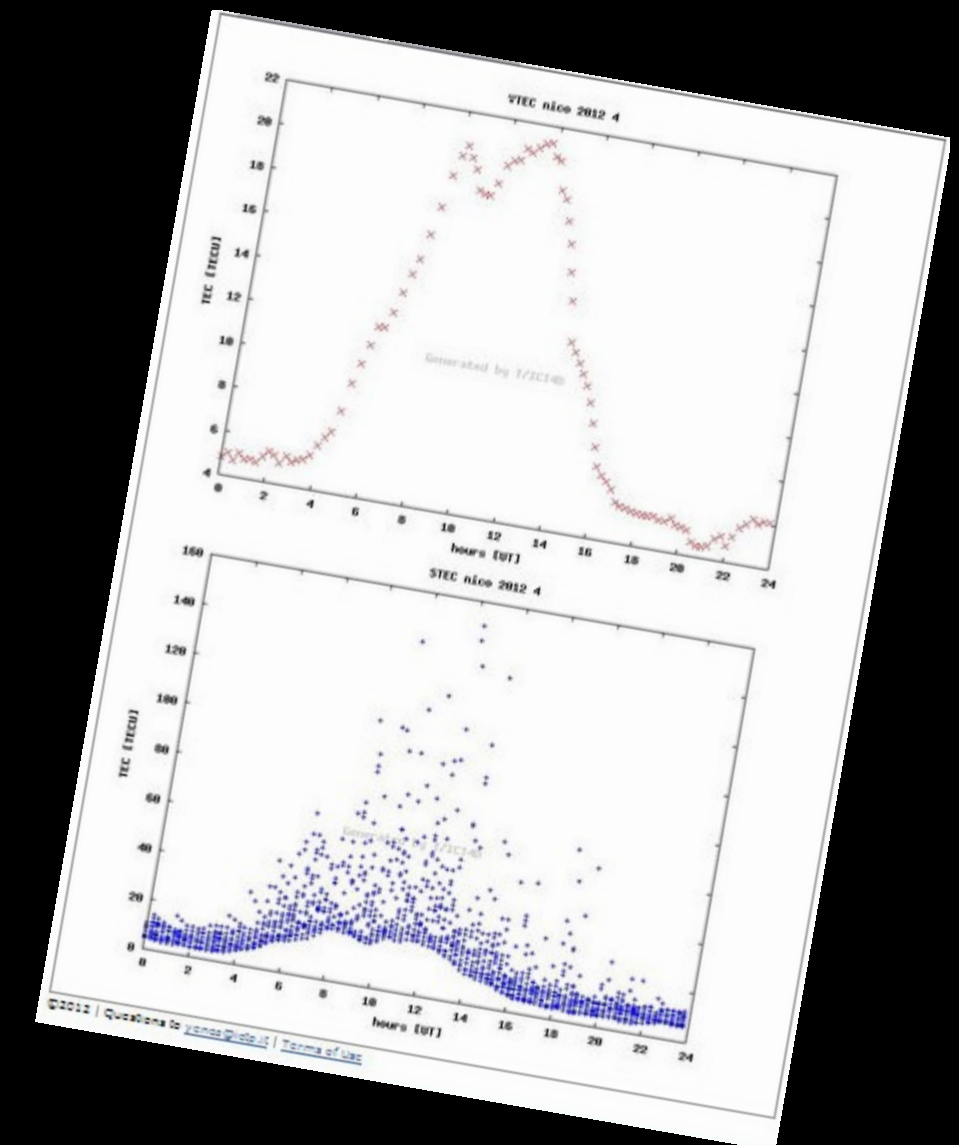
ICTP GNSS TEC CALIBRATION ONLINE

CALIBRATION of TEC from GPS/GLONASS technique
(single station estimation of arc offsets) developed by L. Ciruolo (ICTP T/ICT4D)

- Executable program distributed during ICTP activities.
- A web front-end that allows the automated processing and calibration of a single day of any station of the main GNSS networks (IGS, CORS, GARNER, UNAVCO) in real time (Alazo's implementation).

<http://t-ict4d.ictp.it>

The screenshot shows the T/ICT4D web interface. At the top, there's a header with the T/ICT4D logo and navigation links: site map, accessibility, and contact. Below this, a breadcrumb trail reads: You Are Here: Home / NeQuick 2 / GNSS TEC Calibration Online. The main title is "GNSS TEC Calibration online". Below the title, a description states: "Calibration of Total Electron Content from GPS phase observable. --- Single-station estimation of arc offsets ---". The form includes an "Input" section with a "Station Marker Name (ex. mate)" text box, a "GNSS" dropdown menu (currently showing "GPS"), a "Date" section with "Year(YYYY)" and "Day of Year (doy)" text boxes, and an "Output Setting" section with an "Interval" dropdown menu (currently showing "5min").





SINGLE STATION TEC CALIBRATED SERVICE

A JOINT EFFORT OF THE ICTP T/ICT4D LABORATORY AND THE ICT SECTION

- Ciraolo's implementation.
- Open data sets using FAIR standards (Findable, Accessible, Interoperable and Reusable).
- Coverage: initially all available IGS stations.
- Calibrated TEC data availability: best effort for all stations up to 5 days before present epoch.
- Prototype tested by end-users (User-perspective)



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DEMO



ACKNOWLEDGEMENTS



<https://t-ict4d.ictp.it/nequick2/gnss-tec-calibration>

<https://t-ict4d.ictp.it/nequick2/terms-of-use>



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Thank you!