

IONOSPHERIC VERTICAL INCIDENCE PARAMETERS

F Layer Parameters

Parameter	Dimension	Description
foF2	00.1 MHz	F2 layer o-mode (ordinary) critical frequency
fxF2	01.1 MHz	F2 layer x-mode (extraordinary) critical frequency
fzF2	02.1 MHz	F2 layer z-mode critical frequency
M3000F2	03.01	F2 layer M factor (the ratio of the maximum usable frequency divided by the critical frequency).
h'F2	04 km	F2 layer o-mode minimum virtual height
hpF2	05 km	An estimate of the true height of the F2 layer (measurement of the ordinary mode virtual height at a frequency of 83.4% of the foF2).
h'Ox	06 km	F layer minimum virtual height of the x-mode trace at a frequency equal to the foF2
MUF3000F2	07.1 MHz	F2 layer maximum usable frequency for a 3000km path
hc	08 km	The height of the maximum obtained by fitting a theoretical h'F curve for the parabola of best fit to the observed ordinary mode trace near foF2 and correcting for under-lying ionization
qc	09 km	F layer scale height
foF1	10.01 MHz	F1 layer o-mode critical frequency
fxF1	11.01 MHz	F1 layer x-mode critical frequency.
M3000F1	13.01 MHz	F1 layer M factor (see code 03)
h'F1	14 km	F1 layer o-mode minimum virtual height
h'F	16 km	F layer o-mode minimum virtual height
MUF3000F1	17.1 MHz	F1 layer maximum usable frequency (see code 07)

E Layer Parameters

Parameter	Dimension	Description
foE	.01 MHz	E layer o-mode critical frequency.
foE2	.01 MHz	E2 layer o-mode critical frequency (when it occurs it is between the normal E and F1 layers).
h'E	km	E layer o-mode minimum virtual height.
h'E2	km	E2 layer o-mode minimum virtual height.

Es Layer Parameters

Parameter	Dimension	Description
foEs	.1 MHz	Es layer highest o-mode frequency at which a mainly continuous Es trace is observed.
fxE	.1 MHz	Es layer highest x-mode frequency at which a mainly continuous Es trace is observed.
fbEs	.1 MHz	The blanketing frequency of layer used to derive foEs.
ftEs	.1 MHz	Top frequency of the Es trace (any mode).
h'Es	km	The minimum virtual height of the layer used to derive foEs.
Type of Es		A characterization of the shape of Es trace.