

Connection of number of the meteor echoes and solar activity

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1. Meteor echoes by forward scatter radio observation

I observed from 1997 to 2004, meteor echoes by forward scatter radio observation.

The observation systems is as follows.

I decide to call this observation HRO here.

The transmission: Sabae-shi, Fukui (136.18 degrees E, +35.93 degrees N)

Frequency: 53.750MHz, CW, 50W

A transmitting antenna: Two element/cross Yagi, zenith direction

The receiving: Habikino-shi, Osaka (135.64 degrees E, +34.53 degrees N)

2. Results of observation

It was count meteor echoes more than 10 dB.

The results was as follows.

year	observation time(h)	total of meteor echoes	number of the average echoes per hour
1997	8,523	257,515	30.2
2000	8,238	504,588	61.3
2003	8,511	363,350	42.7