



# HF Radio Propagation Course

## ADELAIDE

Thursday 18th June 2009

To increase the value of IPS services to our customers, IPS Radio and Space Services offers one day courses on HF radio propagation. A one day course is scheduled in Adelaide on Thursday 18th June, 2009.

The course covers the following topics:

- Section 1) The ionosphere, its structure and formation
  - Reflection and absorption of HF radio waves
  - Variations in the ionosphere
  - Mapping and predicting the ionosphere
- Section 2) HF radio propagation via the sky wave
  - Skip zones
  - Modes and hops
  - Maximum Usable Frequency
- Section 3) Solar disturbances and the effects on HF radio propagation
  - Short wave fade-outs
  - Ionospheric storms
- Section 4) IPS predictions, Web services and any questions on HF propagation software

Each person will receive an IPS HF propagation course manual which contains detailed notes of the course content and examples of IPS services.

Generally the course is aimed at the HF communicator, but the presentation may be tailored to suit the audience by emphasising topics of special interest. Indicate your particular interest if you wish on the enclosed registration form.



**Duration:** 9.00 am to about 4.00 pm.

**Cost:** \$190 per person (GST inclusive)

**What to do if you wish to attend the course:**

Complete the registration form and return to IPS by Friday 29th May 2009.

After receiving your registration form, IPS will then confirm the receipt of the registration and provide venue details. Please note that payments will not be processed until close to the course date.

**Cancellations:**

Full payment will be required if a cancellation in writing is not received by 5 pm Friday 29 May 2009. A full refund for any payment made before 29 May will be provided if the cancellation is received at IPS by 5 pm 29 May.

Alternatively, if a person registered is unable to attend, another person may attend the course. Please notify IPS of name of other person.

**Other:** Morning and afternoon refreshments will be provided and shops are nearby to purchase lunch.

**For more information:**

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