



## Types of data

The basic data measured with the incoherent scatter radar technique are profiles of electron density, electron and ion temperature, and ion velocity. Subsequent processing allows a wealth of further parameters, describing the ionosphere and neutral atmosphere, to be derived. A selection of well-designed radar pulse schemes are available to adapt the data-taking routines to many particular phenomena, occurring at altitudes between about 50 km and more than 2000 km. Depending on geophysical conditions, a best time resolution of less than one second and an altitude resolution of a few hundred meters can be achieved.

Operations of 3000-4000 hours each year are distributed equally between Common Programmes (CP) and Special Programmes (SP). At present, six well-defined Common Programmes are run regularly, for between one and three days, typically about once per month, to provide a data base for long term synoptic studies. A large number of Special Programmes, defined individually by Associate scientists, are run to support national and international studies of both specific and global geophysical phenomena.

Data can also be accessed through the [schedule page](#).

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## Acknowledgement

In common with most externally funded institutions, EISCAT requests that an acknowledgement of the following general form be added to all publications which use data originating in any part of the EISCAT facilities.

*EISCAT is an international association supported by research organisations in China (CRIRP), Finland (SA), Japan (NIPR and STEL),*



*Norway (NFR), Sweden (VR), and the United Kingdom (NERC)*

If you need further clarification on this point, please contact [Ingemar Häggstrom](#) in the first instance. Thank you!