**For equipment calibration and characterisation.**

Please complete and return to: [**fsf@nerc.ac.uk**](http://fsf.nerc.ac.uk/loans/documents/fsf@nerc.ac.uk)

*It is a condition of lab access that all applicants are expected to present the results of their research at the FSF Users meeting, and all publications arising as a direct result of your loan should fully acknowledge the support of the facility. Failure to do so may jeopardise future loans.*

**1. Principal Investigator (P.I.) / Applicant 2. User (if different from applicant)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | Name of PI: | | Status/job title: | | Address: | |  | |  | | Telephone: | | Email: | | |  | | --- | | User (if different from PI): | | Status/job title: | | Address: | |  | |  | | Telephone: | | Email: | |

**3. Laboratory resources and calibration standards.**

Please select the resources / standards you wish to use.Detailed information regarding our calibration standards is available on our website at <http://fsf.nerc.ac.uk>

|  |  |  |
| --- | --- | --- |
| **Resource / standard** | **Wavelength range** |  |
| FSF laboratory with optical table and mounts |  |  |
| FSF Support & training |  |  |
| FSF Primary radiance standard (NPL calibrated) | 350 – 2500 nm |  |
| FSF Radiance standards | 350 – 2500 nm |  |
| FSF Primary irradiance standard (NPL calibrated) | 250 – 2500 nm |  |
| Calibrated diffuse reflectance panel | 250 – 2500 nm |  |
| Midac FTIR spectrometer with BB sources | 5000 – 700 cm-1  (2.0 - 14.5 µm) |  |
| FSF Black body standards (high temperature & extended area) |  |  |
| Double monochromator with QTH & LHLS sources | 300 – 2200 nm |  |
| Spectral emission line lamps (Hg, Ar, Xe, Ne, Kr) | |  |
| X-Y Motorised stage | |  |

|  |  |  |
| --- | --- | --- |
| **Application:** | **Details** |  |
| Calibration |  |  |
| Characterisation |  |  |
| Inter-comparison |  |  |

**4. Is training required?** (NB it is a condition of access to the laboratory that all person USING undergo training and supervision during their first visit)

YES NO Refresher course

**5. Preferred dates for access to the laboratory:**

**6. Research project title**:

**7. Project Funding:** Please indicate the source and value of your project funding.

**8. Details of equipment for calibration / characterisation / inter-comparison**: Please provide information on any equipment you are bringing. Please also state here how this equipment is used within your research.

9. **Methodology:**

Please briefly outline your intended methodology.

**10. Will this laboratory work feed into a larger FSF application?**

YES NO

*If yes, are you intending to apply to our June 1st Deadline or our November the 1st Deadline?*

**11. Declaration**

Signature of PI: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_