

# **NPL TWSTFT Status Report**

**CCTF WG on TWSTFT  
Paris, 10-12 September 2006**

**Peter Whibberley**

## “Core Time Area” staff

- Covers time scale, time transfer, analysis & dissemination services
- Scientific staff:
  - John Davis (Technical Leader)
  - Peter Whibberley
  - Peter Stacey
  - Deborah Baines

# NPL TWSTFT

- Aim to have two independent earth stations
- Operational station: NPL01
  - 2.4m Era Ku-band dish
  - Miteq up & down converters
  - Satre 74 modem
  - Reference is active H-maser
  - 1PPS with known offset UTC(NPL)

# NPL TWSTFT activities

- Independent backup station: NPL02
  - not currently operational
  - 1.8m Channel Master Ku-band dish
  - KST 12000 Earth station terminal (external)
  - Satre 38 modem (upgraded)
- Recent activities
  - Calibration, 31 Oct – 1 Nov 2005
  - Work to bring NPL02 back into operation
  - Relocation to new building

# Time relocation

- Still located in old buildings
- Move to new NPL building (same site) now in progress
- Deadline 20 October to complete



# New dish location





# View to satellite



# TWSTFT relocation

- Restricted views of sky
- Clearance required from Ofcom
- Aim to operate both TWSTFT stations
  - Possible disruptions during moves
  - Recalibration required after relocation



# Contact Details

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