# Cryosphere Group Project (Exs 1,3,5)

# S300 ±5% for daily total radiation, spectral range of 360 to 1120 nm, 0.36-1.12 μm

NR Lite Directional Directional error: (0 - 60° at 1000 W m-2): <30 W m-2 Sensor asymmetry: ±5% typical, (±10% worst case).,spectral range 0.2 to 100 μm, 200 to 100 000nm

irts-p ±0.3°C from 5° to 45°C, 6 to 14 μm

2. NR Lite has significantly greater spectral range than S300 or IRTS-P Apogee. This means that flux from higher wavelengths are recorded by NR lite but not by the other instruments which may cause the calculated ILR to be unreliable and overestimated as the net radiation measures flux of wavelengths which the SR and OLR sensors do not detect.

3.