1/5/22, 2:57 PM Black Body Radiation: Determination of Stefan's Constant (Simulator): Heat & Thermodynamics Virtual Lab: Physical Sciences: A...

| Trial no | Temperature of the hemisphere | | | | Tamparature of the disc in kelvin, T. | Time T in see | Steady state temperature of the disc in kelvin, T _d |
|----------|-------------------------------|----------------|----------------|---|--|---------------|--|
| | T_1 | T ₂ | T ₃ | Average temp, 1 _h -(1 ₁ +1 ₂ +1 ₃)/3 | reinperature of the disc in kervin, 14 | 1 me 1 m sec | steady state temperature of the disc in kervin, 1 _d |
| 1 | 353 | 353 | 353 | 353 | 303 | 30 | 305.22 |
| 2 | 353 | 353 | 353 | 353 | 303 | 60 | 306.71 |
| 3 | 353 | 353 | 353 | 353 | 303 | 0 | 308.94 |