

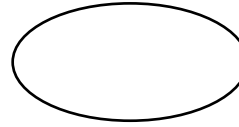
LAPSE RATES & STABILITY

Name

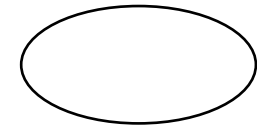
400m

6.9°C

400m



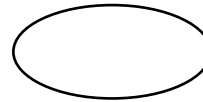
400m



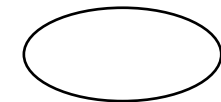
300m

7.4°C

300m



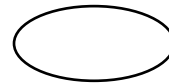
300m



200m

8.6°C

200m



200m



100m

9.1°C

100m



100m



0 ————— 10°C —————
ELR

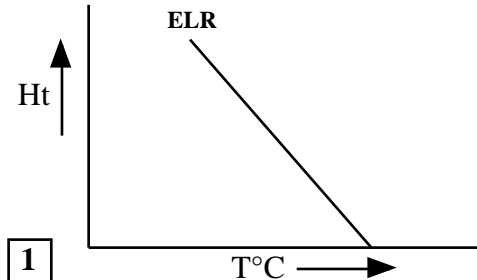
0 ————— RH < 100% ————— Dew Pt 7°C —————
DALR

0 ————— RH=100% ————— Dew Pt ___°C —————
SALR

DO

- 1 Plot the DALR & SALR (above) for rising air.
- 2 Plot cloud base for both(above)
- 3 Label stable/unstable/conditionally unstable (above)
- 4 Add DALR, SALR to graph 1 (approximately)
- 5 Radiation cooling lowers ground temperature to 4°C. Plot changed **ELR, DALR & SALR** onto graph 2 - note changes.

1



2

