

Fig 19. The tests of oscillations in revised soil thermodynamics (9 point at humid region:25E,0N),0H-24H, 1 January
 EXP7: Revised soilthermo:7.5mm for physics, 1hr for radiation; LWUP updates each 7.5m step; EXP10: some as EXP7 BUT cdrog = 0.01;
 EXP9: some as EXP7, BUT LWUP updates each 7.5m step; EXP10: some as EXP7 BUT cdrog = 0.20; EXP13: Some as EXP9 BUT cdrog = 0.20,
 EXP12: some as EXP7, BUT cdrog = 0.01;
 EXP11: Some as EXP9 BUT cdrog = 0.01,
 EXP13: Some as EXP9 BUT cdrog = 0.20

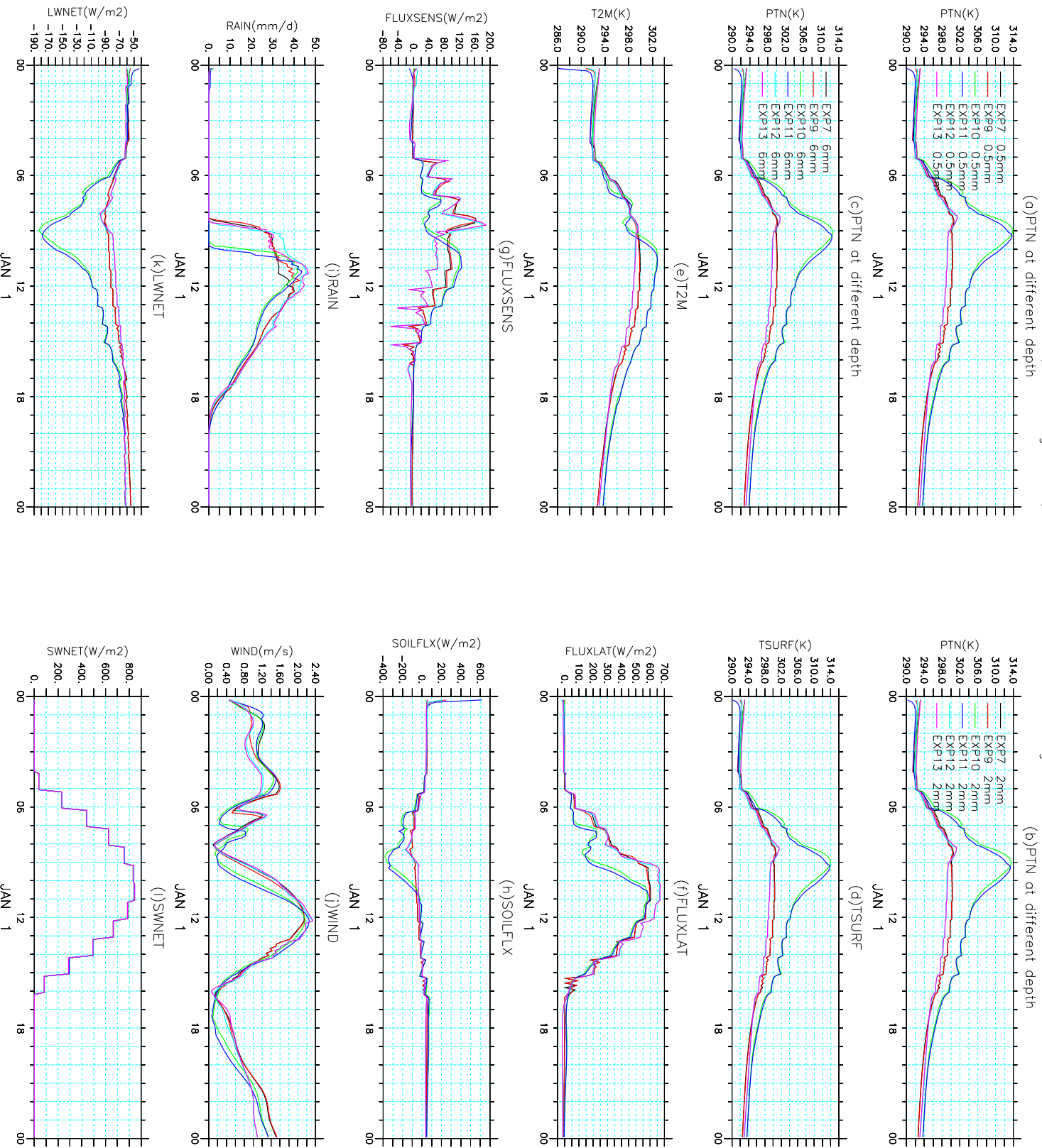


Fig. 20. The tests of oscillations in revised soil thermodynamics (9 point at humid region:25E,0N),0H-24H, 1 January
 EXP7: Revised soilthermo. 7.5mn for physics. 1hr for radiation; LWUP updates 1hr. No Cloud effect.
 EXP9: some as EXP7, BUT LWUP updates each 7.5mn step; EXP10: some as EXP7, BUT cdrog = 0.01; EXP11: Some as EXP9 BUT cdrog = 0.01,
 EXP12: some as EXP7, BUT cdrog = 0.20; EXP13: Some as EXP9 BUT cdrog = 0.20

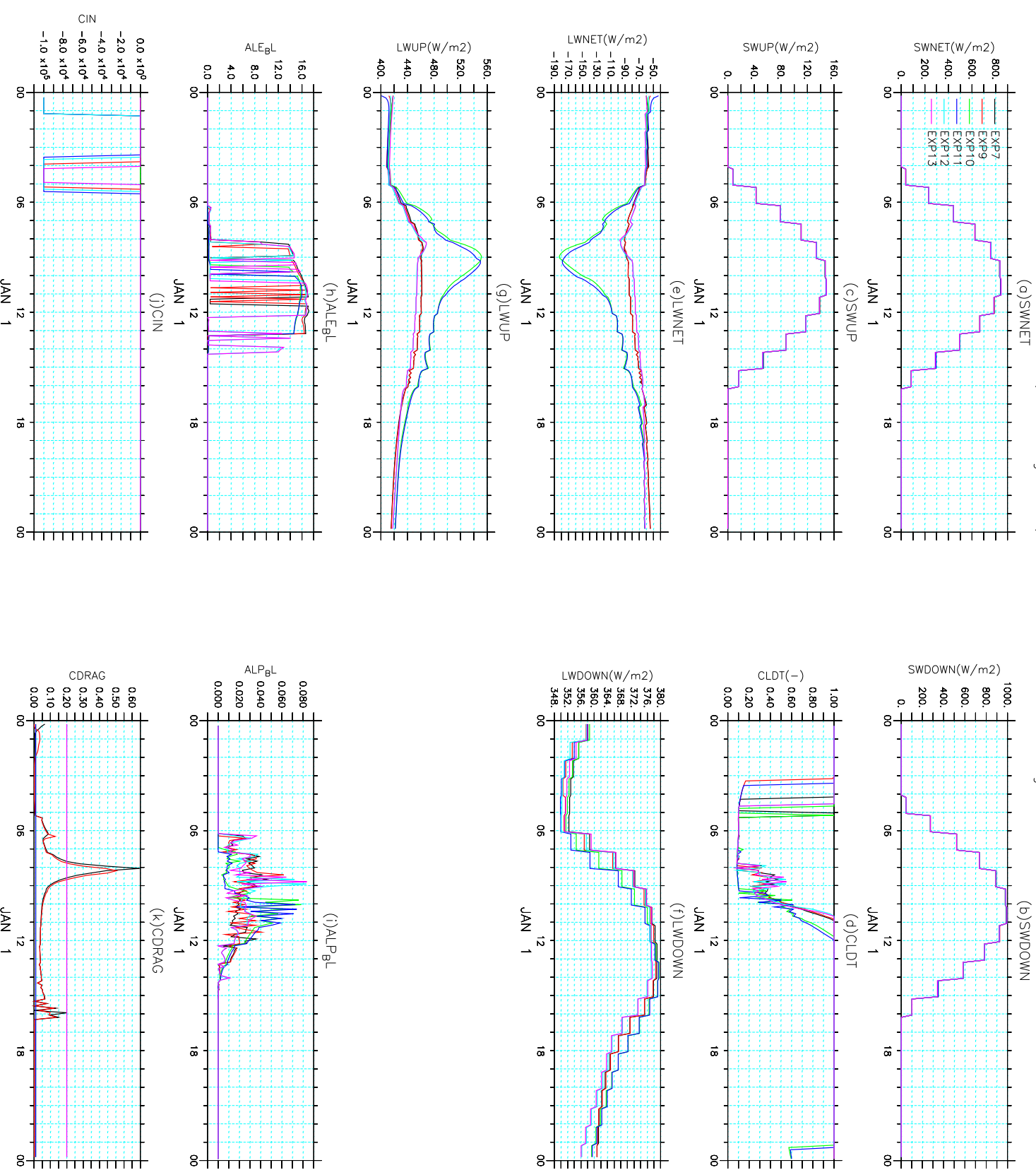


Fig. 21. The testisr oscillations in revised soil thermodynamics (a) point at humid region; 25E(ON) 0H-24H 1 January. EXP1: ORC revised soilthermo; 7.5mm step for physics, 1hr for radiation, lw cpl flag = 2(4+sigma*T^2=0) cloud effect included; EXP14: some as EXP1, BUJ cdrog = 0.20 and lw cpl flag = 1(4+sigma*T^2 not 0); EXP15: some as EXP1, cdrog = 0.20

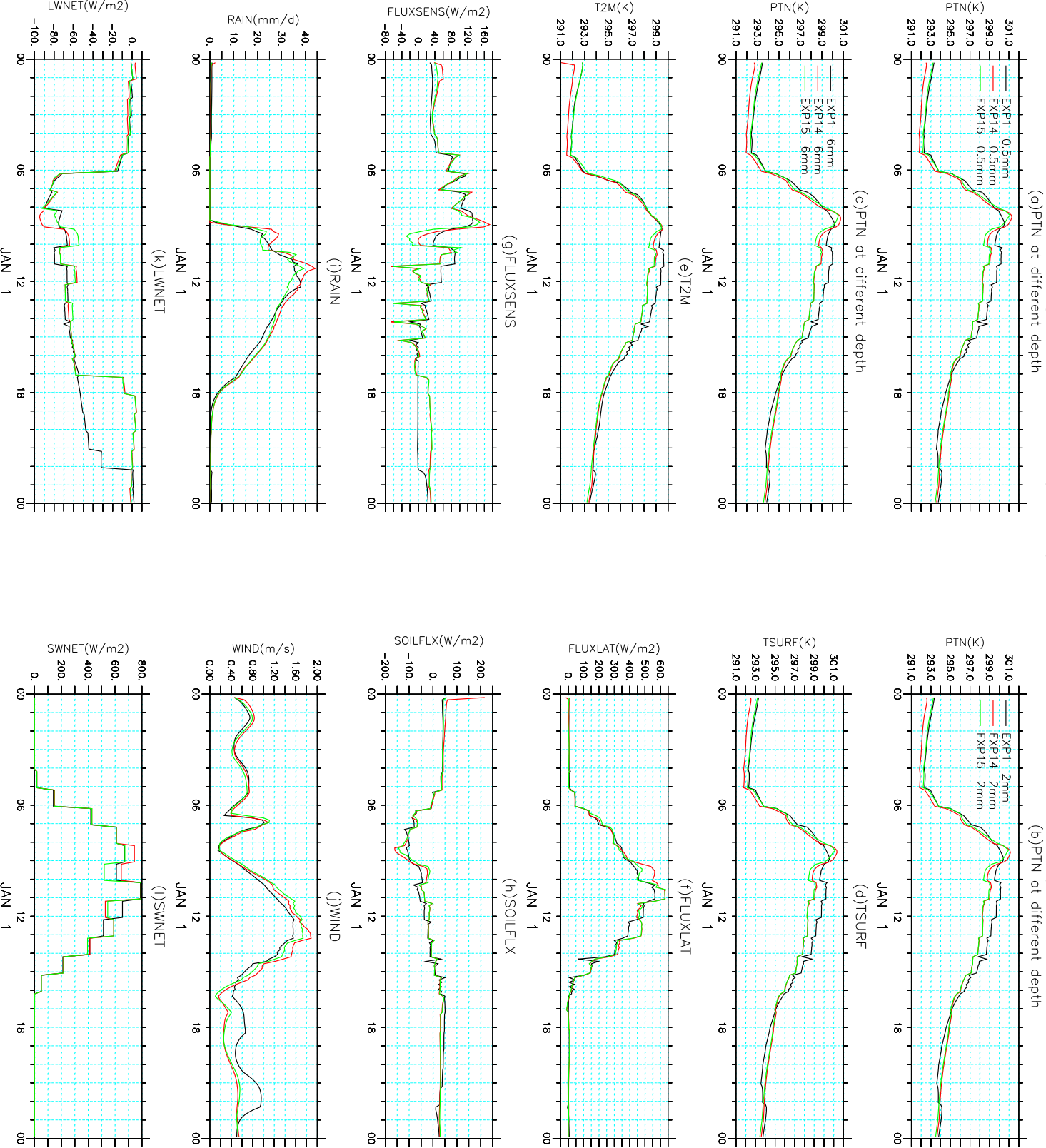


Fig. 22. The tests of oscillations in revised soil thermodynamics (a point of humid region: 25E, 0N) 0H-24H 1 January. EXP1: ORC revised soilthermo; 7.5m step for physics, 1hr for radiation, lw_gpl_flg = 2(4**sigma**T=0) cloud effect included; EXP14: same as EXP1, BUT cdrag = 0.20 and lw_cpl_flg = 1(4**sigma**T not 0); EXP15: same as EXP1, cdrag = 0.20

