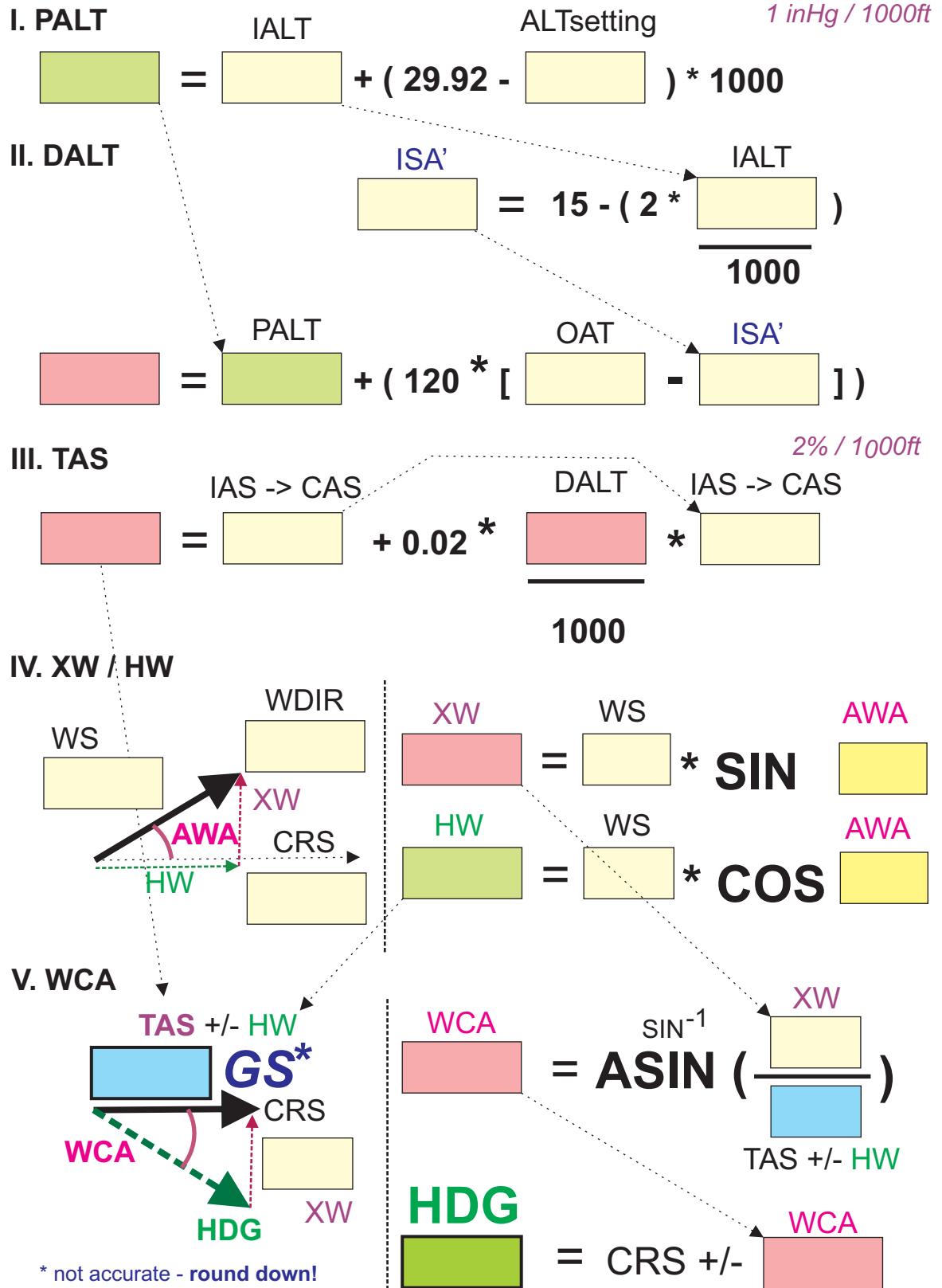
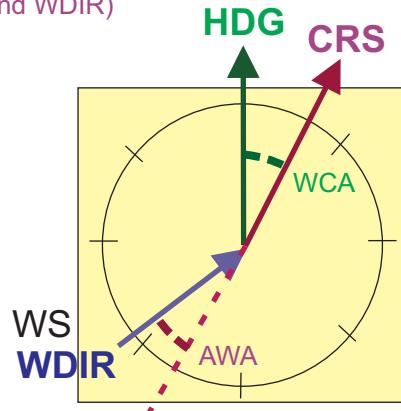
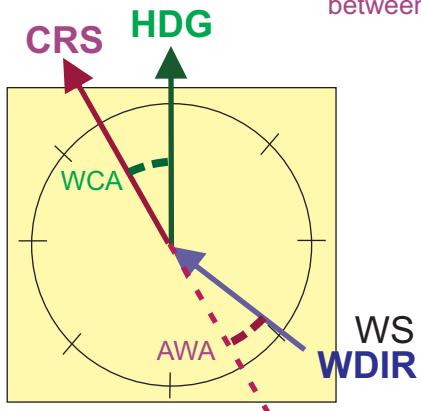
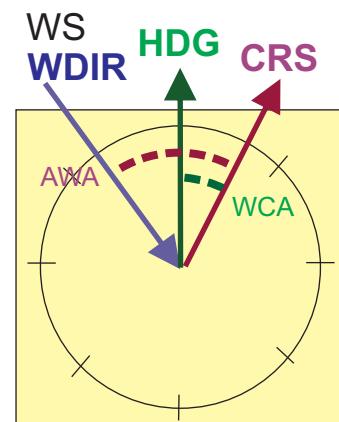
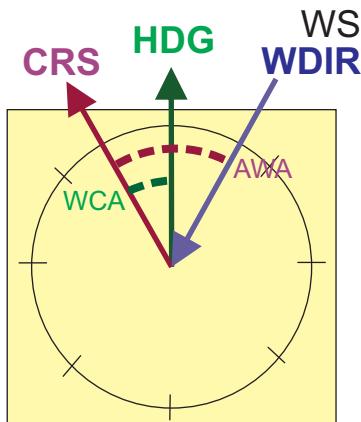


Calculations



Help

deg	0	10	20	30	40	45	50	60	70	80	90
cos	1	0.98	0.94	0.87	0.77	0.71	0.64	0.5	0.34	0.17	0
sin	0	0.17	0.34	0.5	0.64	0.71	0.77	0.87	0.94	0.98	1
$1/\sqrt{2}$ $= 1.41$											



AWA = Acute Wind Angle
(the smaller one possible
between CRS and WDIR)

$$\boxed{\text{WCA}} = \text{ASIN} \left(\frac{\boxed{\text{WS}}}{\boxed{\text{TAS}}} * \frac{\text{SIN} (\boxed{\text{AWA}})}{\boxed{\text{WS}}} \right)$$