

Vertical speed display.

Has four ranges: -8..+8, -40..+40, -400..+400, -1000..+1000 m/s.

Current vertical speed indicator**Marker and digital readout of expected vertical speed at the moment of touchdown.**

Displays **0** if the vertical speed will become positive before you touch the ground, is **green** if the expected speed is lower than **9 m/s**.
A rough estimate.

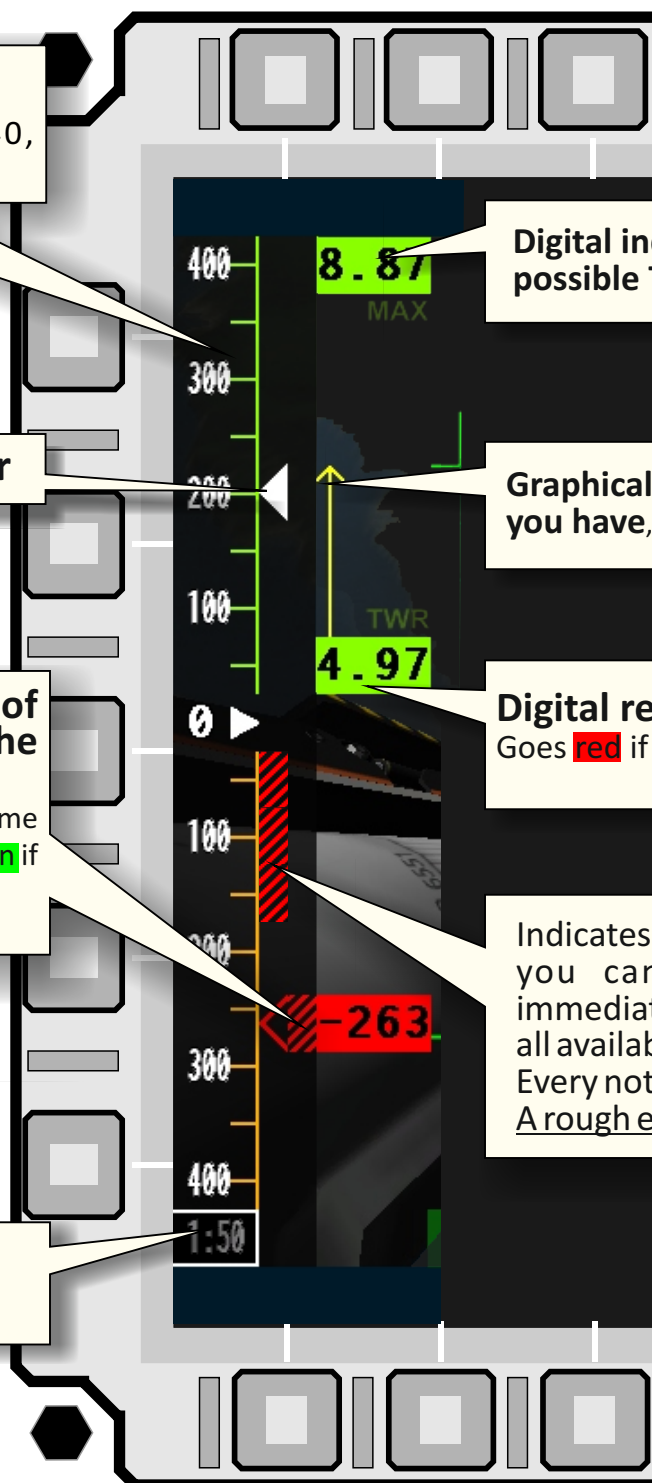
One notch corresponds to **1, 5, 50** and **125 m/s** respectively.

Digital indication of maximum possible TWR. **Red** if below 1

Graphical representation of spare TWR you have, from 1 to maximum possible TWR

Digital readout of the current TWR
Goes **red** if the current TWR is lower than 1

Indicates **the lowest vertical speed** you can possibly reach if you immediately thrust downwards with all available thrust.
Every notch is equal to **1 m/s**.
A rough estimate.



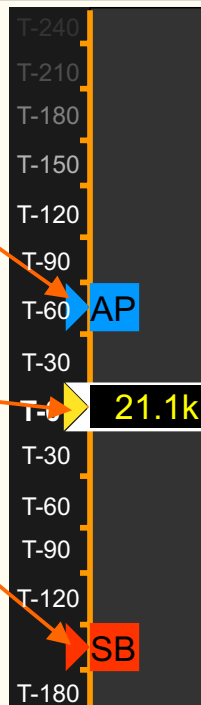
Graphical representation of time to apoapsis (AP), periapsis (PE), or suicide burn (SB).

Every notch in the scale equals to 30s.

You have **one** minute until reaching apoapsis.

You have reached periapsis.

You have **2.5 minutes** until your suicide burn.



Altitude display mode:

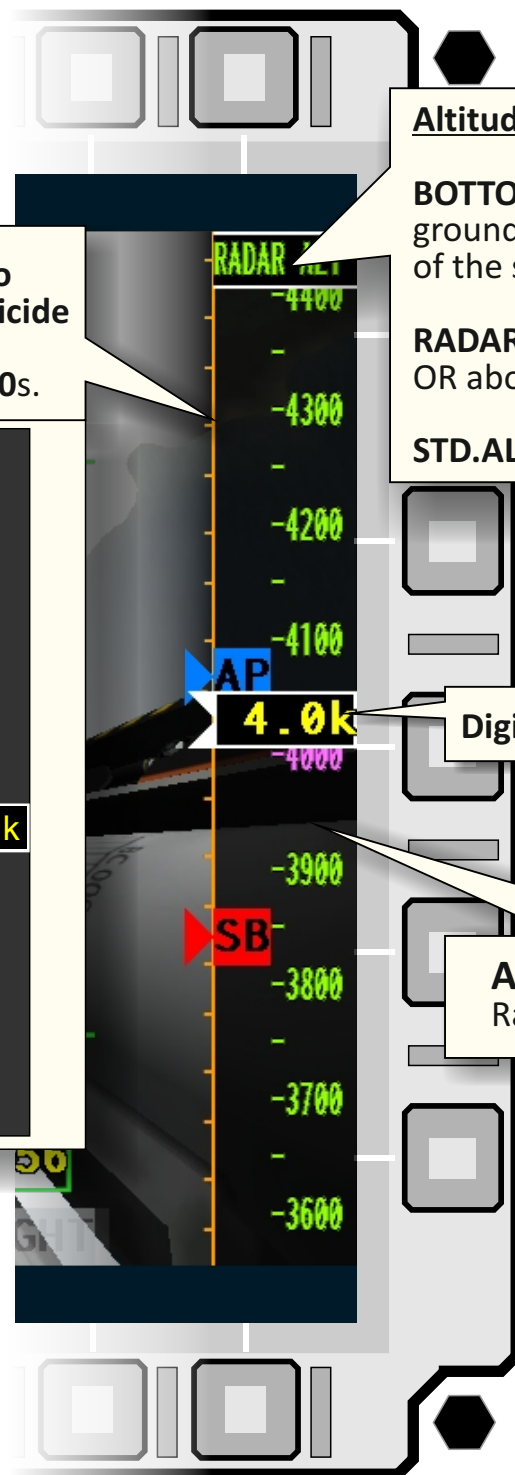
BOTTOM ALT- Altitude above the ground from the currently lowest point of the ship

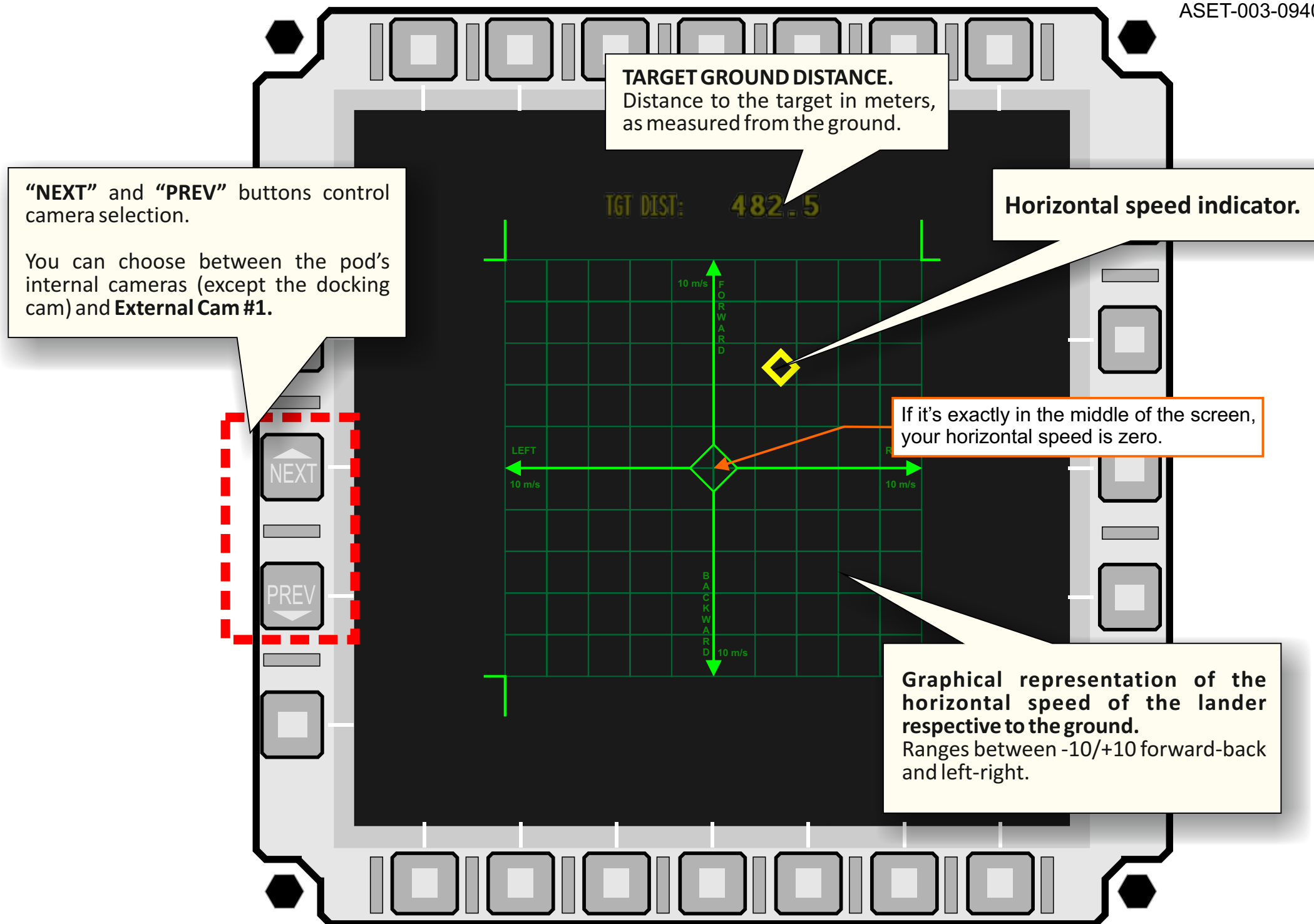
RADAR ALT - Altitude above the ground OR above the sea level

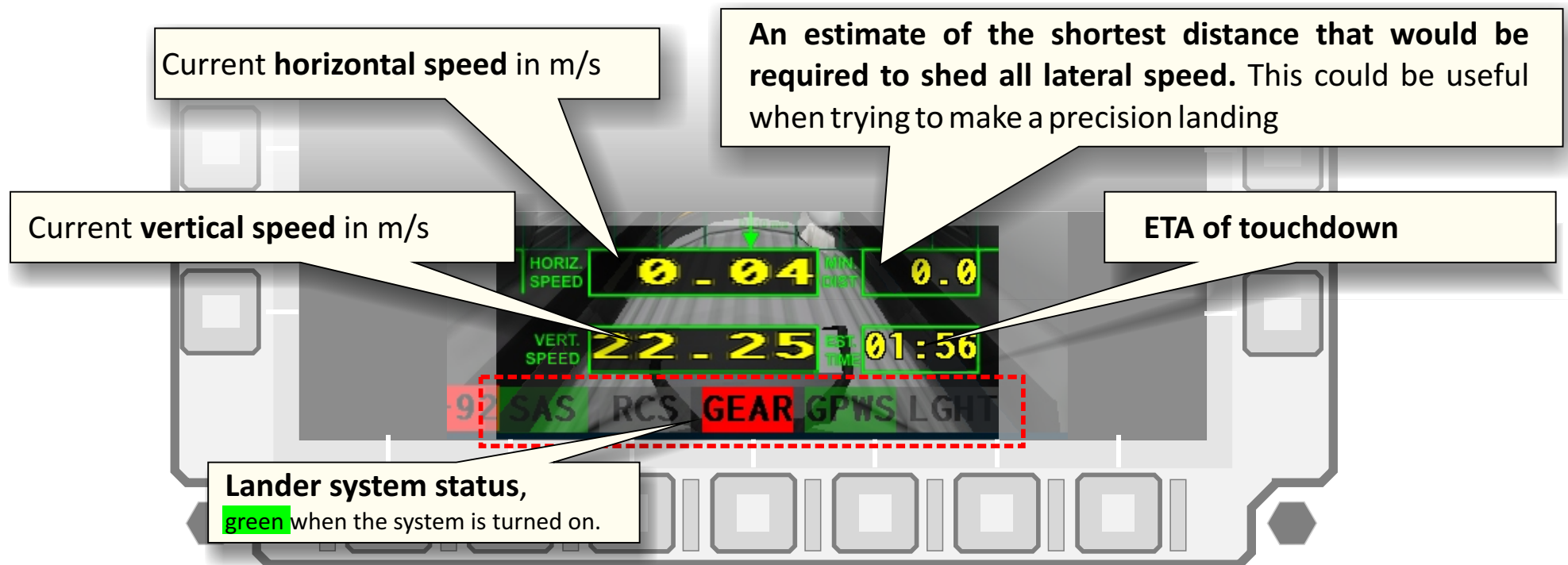
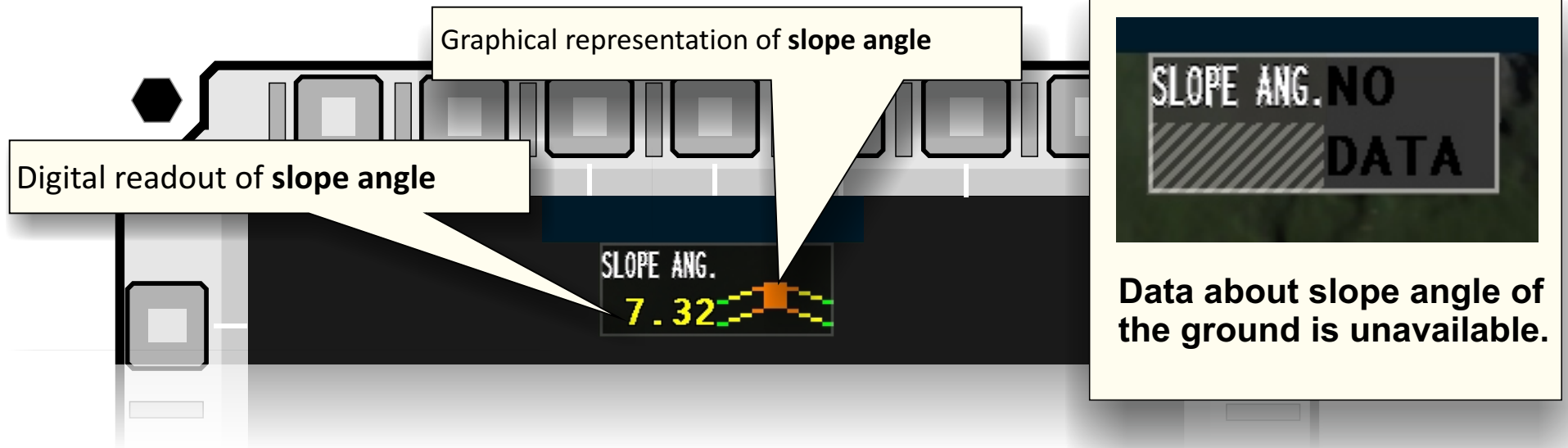
STD.ALT -Altitude above sea level

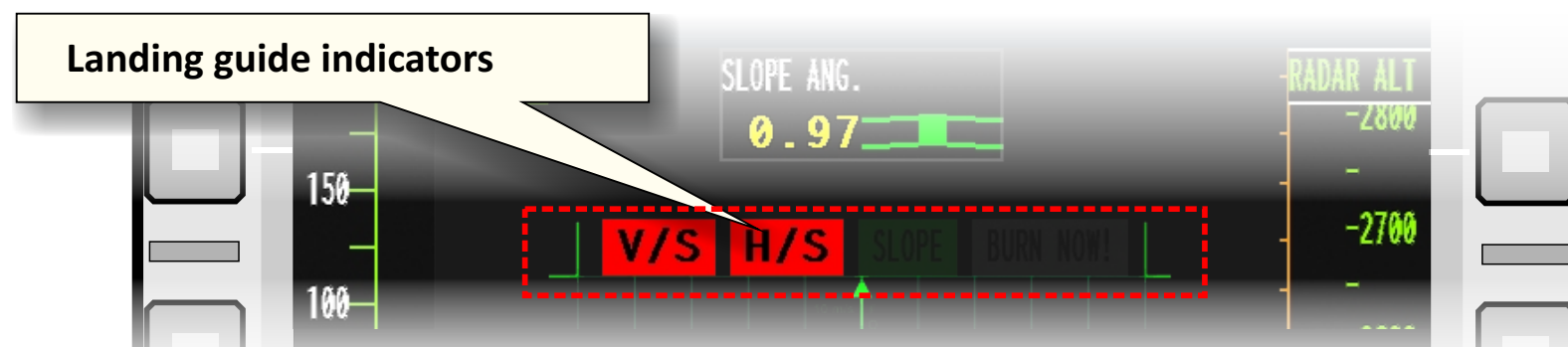
Digital readout of current altitude

Altitude readout.
Ranges from 0 to 115000 meters







**V / S**

Green if the estimated vertical speed at the moment of touchdown is between **0.01** and **8 m/s**, **red** otherwise.

H / S

Green if the current horizontal speed is lower than 1.5 m/s, **red** otherwise.

SLOPE

Green if the slope angle of the ground below the lander is lower than 15 degrees, **red** otherwise.

BURN NOW!

orange if the time before the last moment to initiate a suicide burn is **lower than 5 seconds** while the estimated vertical speed at touchdown is **higher than 9 m/s**. **Grey** otherwise.

If **V/S**, **H/S** and **SLOPE** are green, and **BURN NOW!** is grey, instead of them you will see **“READY FOR LANDING”**.

At the moment of touchdown, the indicators change to

CONTACT!

Indicators only show up if all those conditions are true:

- periapsis is lower than zero.
- vertical speed is negative.
- radar altitude is lower than **3000m**.