



# Hubble Decoder

Decode to discover more about the Hubble Space Telescope!

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Two  $\frac{8}{8} \frac{12}{12} \frac{15}{15} \frac{26}{26} \frac{9}{9} \frac{26}{26} \frac{9}{9} \frac{9}{9} \frac{26}{26} \frac{2}{2}$  panels convert sunlight into electricity in order to power the telescope.

The  $\frac{26}{26} \frac{11}{11} \frac{22}{22} \frac{9}{9} \frac{7}{7} \frac{6}{6} \frac{9}{9} \frac{22}{22}$  protects Hubble's optics from the sun's brightness.

Hubble is protected from the harshness of space by an outer  $\frac{7}{7} \frac{19}{19} \frac{22}{22} \frac{9}{9} \frac{14}{14} \frac{26}{26} \frac{15}{15} \frac{25}{25} \frac{15}{15} \frac{26}{26} \frac{13}{13} \frac{16}{16} \frac{22}{22} \frac{7}{7}$  layer.

Hubble uses two  $\frac{14}{14} \frac{18}{18} \frac{9}{9} \frac{9}{9} \frac{12}{12} \frac{9}{9} \frac{8}{8}$  in order to focus its gaze on the universe.

$\frac{21}{21} \frac{18}{18} \frac{13}{13} \frac{22}{22} \frac{20}{20} \frac{6}{6} \frac{18}{18} \frac{23}{23} \frac{26}{26} \frac{13}{13} \frac{24}{24} \frac{22}{22}$  sensors are used to keep Hubble precisely locked on its target.

Hubble's position and movement are managed by  $\frac{20}{20} \frac{2}{2} \frac{9}{9} \frac{12}{12} \frac{8}{8} \frac{24}{24} \frac{12}{12} \frac{11}{11} \frac{22}{22} \frac{8}{8}$  and  $\frac{9}{9} \frac{26}{26} \frac{7}{7} \frac{22}{22} \frac{8}{8} \frac{22}{22} \frac{13}{13} \frac{8}{8} \frac{12}{12} \frac{9}{9} \frac{8}{8}$ .

Hubble has beamed hundreds of thousands of images back to Earth using its two  $\frac{26}{26} \frac{13}{13} \frac{7}{7} \frac{22}{22} \frac{13}{13} \frac{13}{13} \frac{26}{26} \frac{8}{8}$ .

