



$$r = 384400 \text{ Km}$$

$$S = 2\pi r = 2\pi \cdot 384400 \text{ Km} = 2414032 \text{ m}$$

$$V = \frac{\Delta S}{\Delta t} = \frac{2414032 \text{ Km}}{656 \text{ h}} = 3679,9 \frac{\text{Km}}{\text{h}} = 1022,2 \frac{\text{m}}{\text{s}}$$

$$T = 27 \cdot 24 \text{ h} = 648 \text{ h} + 8 \text{ h} = 656 \text{ h}$$

$$a = \frac{V^2}{r} = \frac{\left(1022,2 \frac{\text{m}}{\text{s}}\right)^2}{384.400 \cdot 10^3 \text{ m}} = 2,7 \cdot 10^{-3} \frac{\text{m}}{\text{s}^2} = 0,0027 \frac{\text{m}}{\text{s}^2}$$