The “one pass” oxygen filter used to fill both “Luke” and “Bo” has a volume of 1.72 liters. The oxygen filter material manufacturer recommends 900 volume changes at 250 ^{o}C for filter regeneration. The maximum flow rate of the current regeneration gas delivery system at PAB is 5 ft^3/hr of the 5% H_2 - 95% Argon gas.

$$\frac{1\ regeneration}{900\ volume\ changes} \times \frac{1\ volume\ change}{1.72\ liters} \times \frac{28.32\ liters}{1\ ft^3} \times \frac{5\ ft^3}{hr} = \frac{0.091\ regeneration}{hr}$$

or 10.93 hours to complete one oxygen filter regeneration.