Version 1.1.1

Galaxy Field Name	Abs Mag M	Photon Count	App Mag m	Dist in pc	Dist in Mpc	λ <sub>Kme assured</sub> Κ Line	λ <sub>Hme asured</sub> Η Line	$\Delta \lambda_{ m H}$	$\Delta \lambda_{ m K}$	Velocity H	Velocity K	Velocity AVG	
	-22												
	-22												
	-22												
	-22												
	-22												
	Using the Graph: Average Value of H =											km/sec/Mpc	

Useful Equations and Quantities 
$$M=m+5-5*log\ D \qquad \qquad v_K=c*\frac{\Delta\lambda_K}{\lambda_K} \qquad \qquad 1\ light\ year=.306pc$$

$$\lambda_{K}$$

$$\log D = \underline{m - M + 5}$$

$$5$$

$$\Delta \lambda_{H} = \lambda_{H \text{ measured}} - \lambda_{H}$$

$$1 \text{ MPC} = 1 \times 10^{6} \text{ pc}$$

Wavelength of K Line:  $\lambda_{\rm H} = 3968.47$ 

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 $c = 3 \times 10^5 \text{ km/sec}$ Wavelength of H Line: