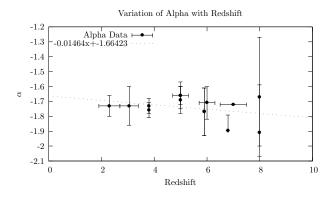
# 1 Parameter Fits

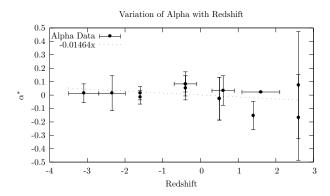
Ignore the log lables on the y-axes. These are referring to the fit, not the axis and shouldn't be there.

# 1.1 Alpha

# 1.1.1 Linear Fit

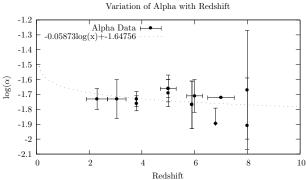


#### 1.1.2 Linear Fit Pivot



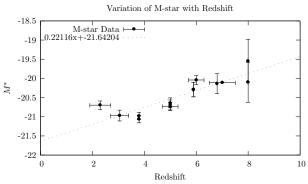
From fit,  $m = -0.01464 \pm 0.012$ , 78.7%

### 1.1.3 Logarithmic Fit

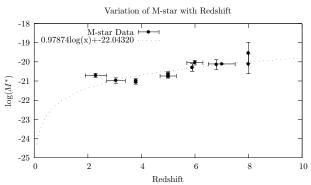


## 1.2 $M^*$

#### 1.2.1 Linear Fit

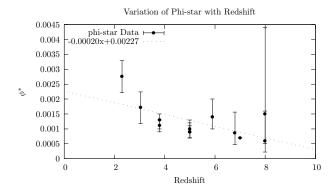


#### 1.2.2 Logarithmic Fit

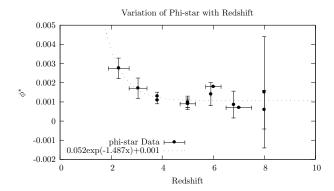


# 1.3 $\phi^*$

## 1.3.1 Linear Fit



# 1.3.2 Exponential Fit



$$\phi^* = m \times e^{cx} + d$$

From fit,  $m = 0.05215 \pm 0.096$ , 184%

 $c=1.4866\pm0.79,\,52.9\%$ 

 $d=0.0010587\pm0.00013,\,12.7\%$