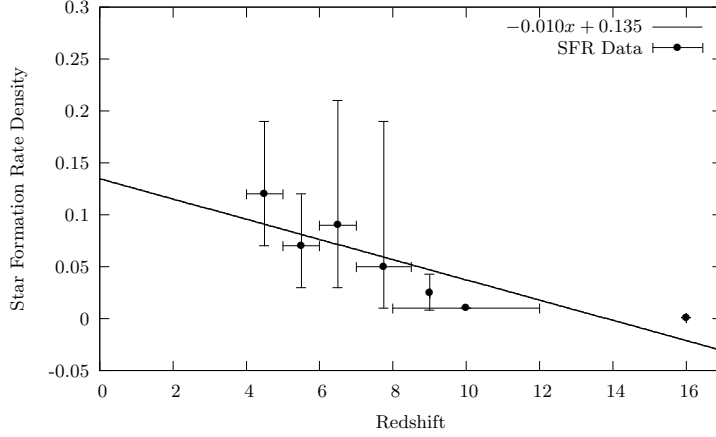


1 Star Formation Rate Density Fits

1.1 Linear Fit



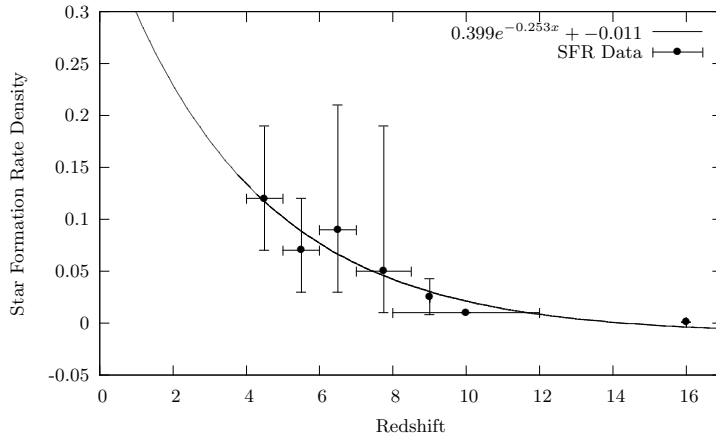
$$y = mx + c$$

$$m = -0.00973266 \pm 0.00266 \text{ (27.33\%)}$$

$$c = 0.134666 \pm 0.02442 \text{ (18.13\%)}$$

Mean Coord: 8.4643, 0.0523

1.2 Exponential Fit



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

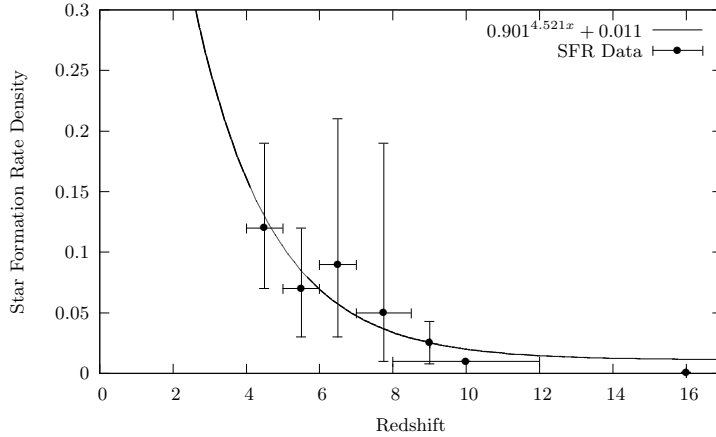
$$m = 0.399452 \pm 0.1809 \text{ (45.28\%)}$$

$$c = 0.252938 \pm 0.1175 \text{ (46.46\%)}$$

$$d = -0.0106576 \pm 0.02452 \text{ (230\%)}$$

Mean Coord: 8.4643, 0.0523

1.3 Power Fit



$$SFR = m^{cx} + d$$

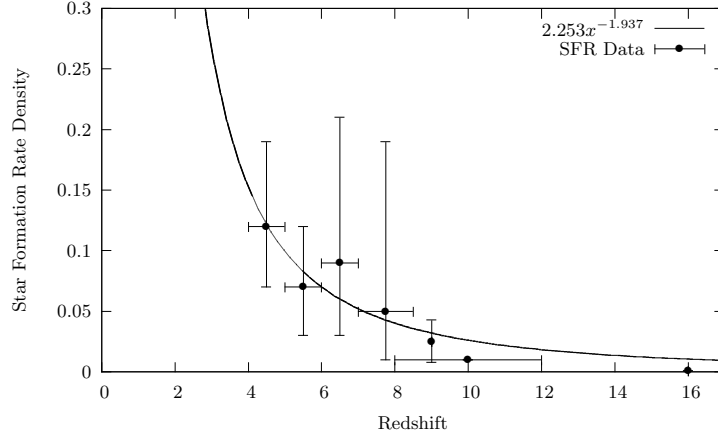
$$m = 0.900642 \pm 2.766 \text{ (307.1\%)}$$

$$c = 4.52148 \pm 134 \text{ (2963\%)}$$

$$d = 0.0111741 \pm 0.02193 \text{ (196.3\%)}$$

Mean Coord: 8.4643, 0.0523

1.4 Power Fit2



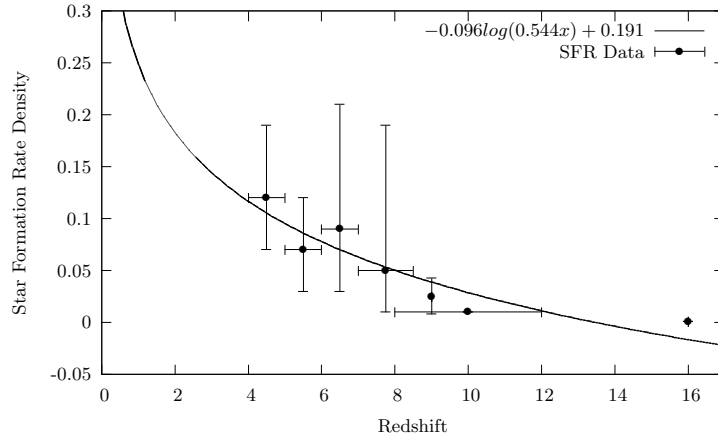
$$SFR = m \times x^c$$

$$m = 2.25294 \pm 1.714 \text{ (76.08\%)}$$

$$c = -1.93661 \pm 0.4498 \text{ (23.22\%)}$$

Mean Coord: 8.4643, 0.0523

1.5 Logarithm Fit



$$SFR = m \log(cx) + d$$

$$m = -0.096178 \pm 0.025 \text{ (26.01\%)}$$

$$c = 0.54366 \pm 4.21e+11 \text{ (7.746e+13\%)}$$

$$d = 0.19149 \pm 7.44e+10 \text{ (3.887e+13\%)}$$

Mean Coord: 8.4643, 0.0523