SDE FORECASTS of t_f - Method 2 with modified noise

Mt. St. Helens, 1982 - line length

t_e=39.68

N=5,000

(a)

T=t_e - [40, 15]

t_f = 56 + [-12, 11]

γ=1/ 7.5

σ=$\sqrt{2}\sigma_0$

(b)

T=t_e - [40, 15]

t_f = 60 ± 12

γ=1/30

σ=σ_0/$\sqrt{2}$
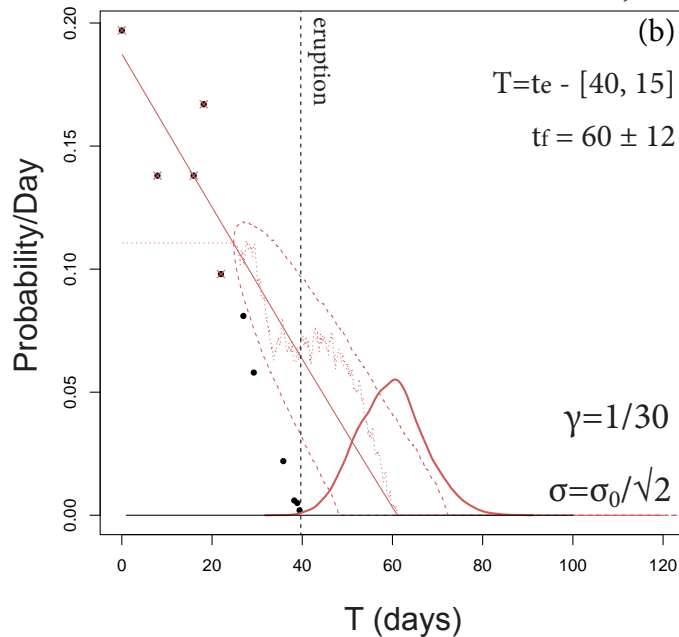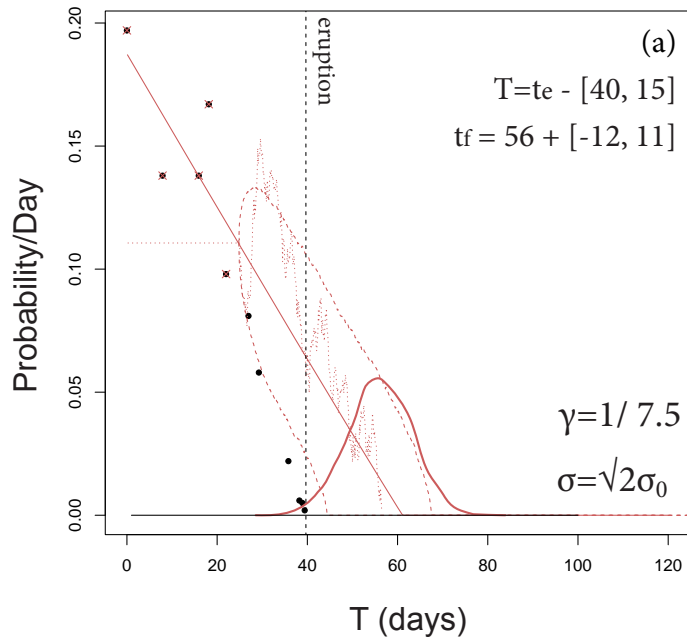
Bezymyanny, 1960 - seismic strain

t_e=31.21

N=5,000

(c)

T=t_e - [35, 17]

t_f = 29 + [-11, 14]

γ=1/ 7.5

σ=$\sqrt{2}\sigma_0$

(c)

T=t_e - [35, 17]

t_f = 35 + [-12, 16]

γ=1/30

σ=σ_0/$\sqrt{2}$