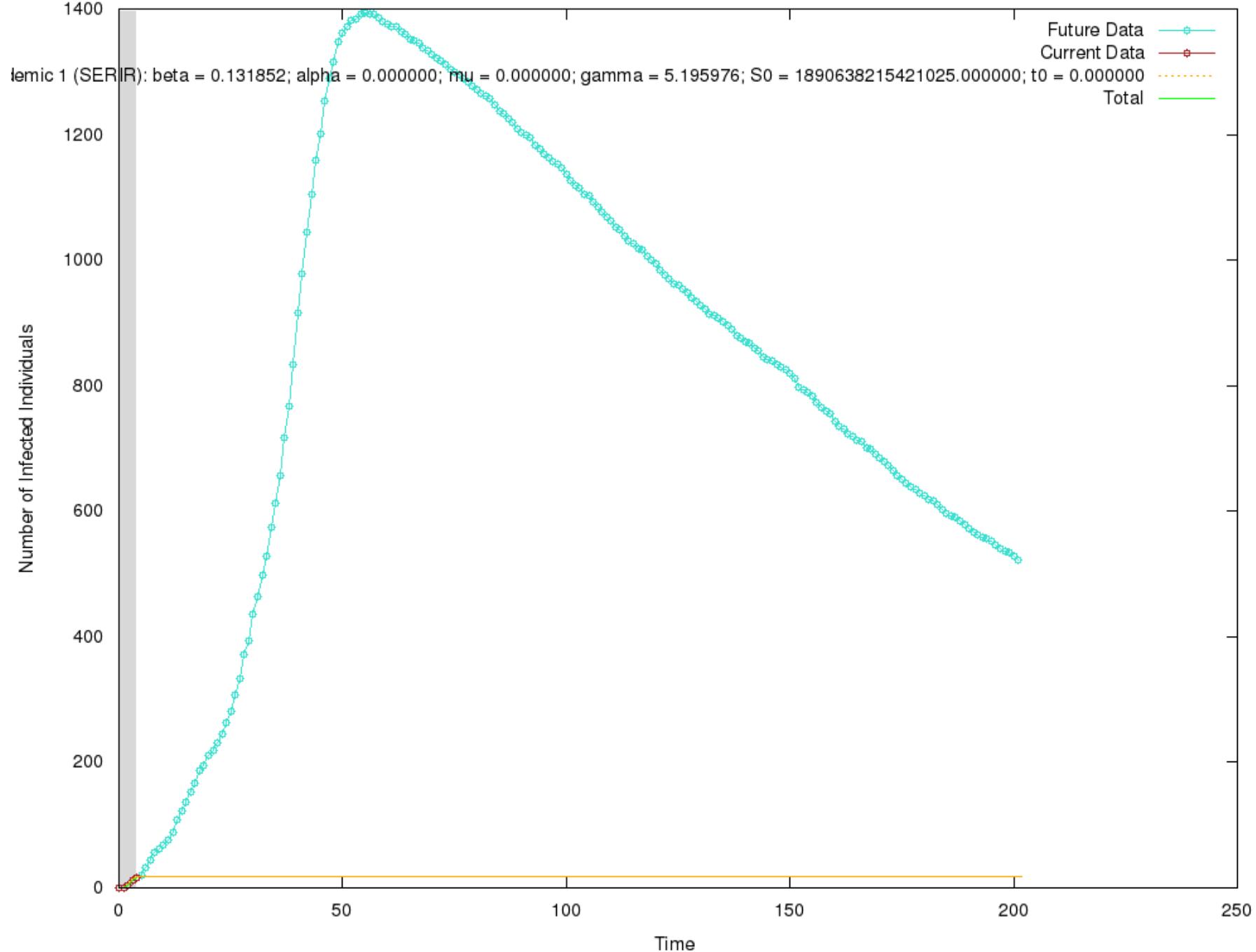
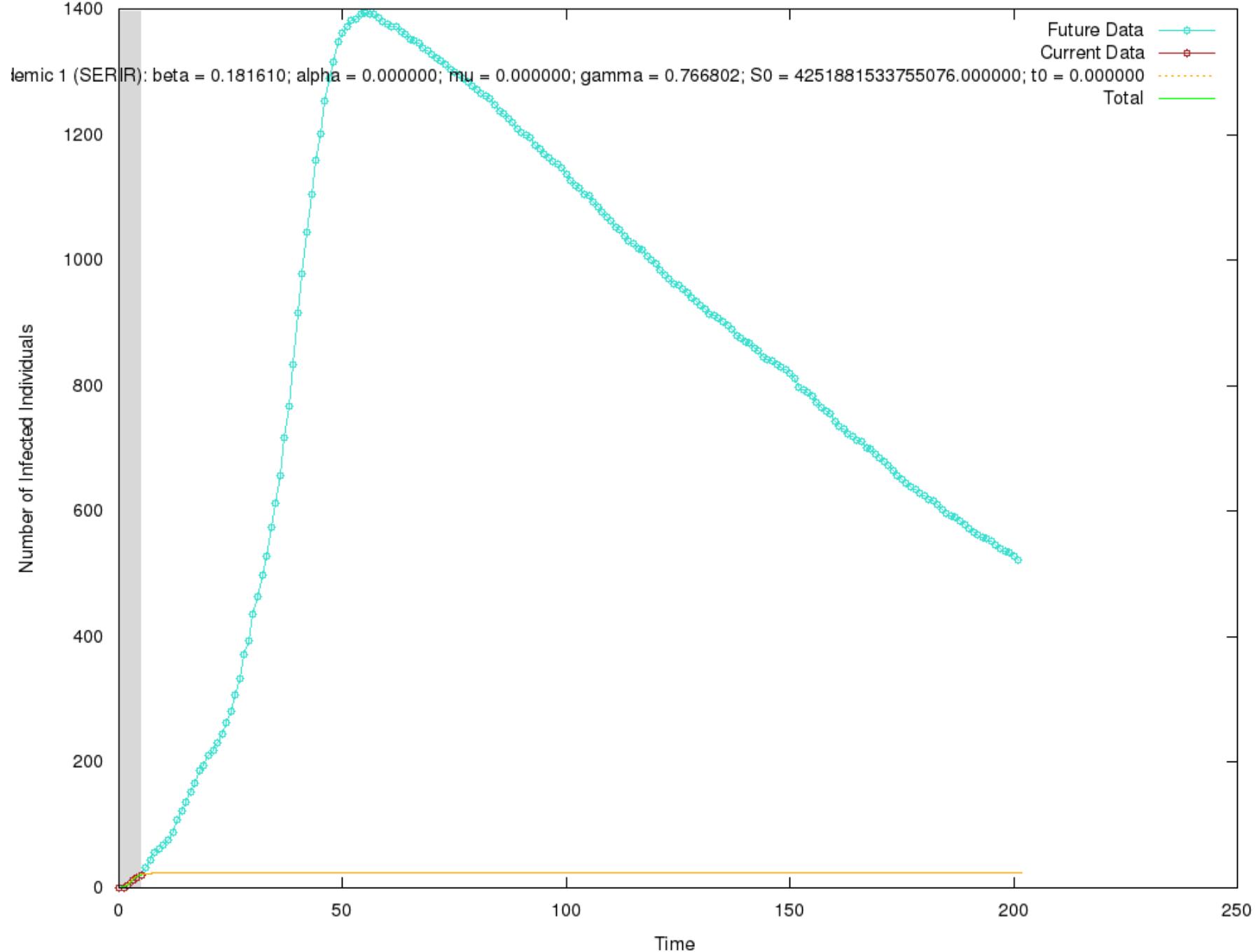


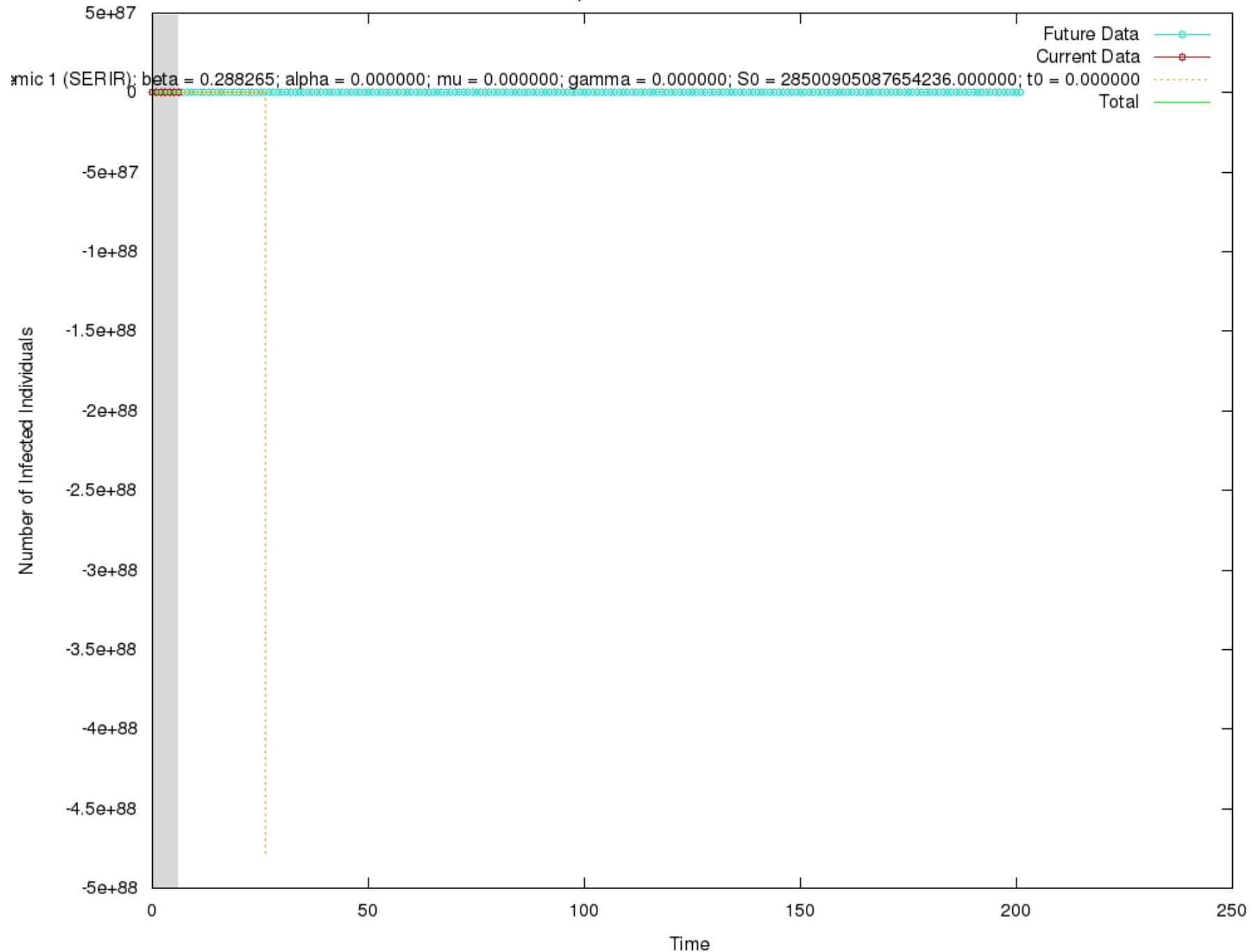
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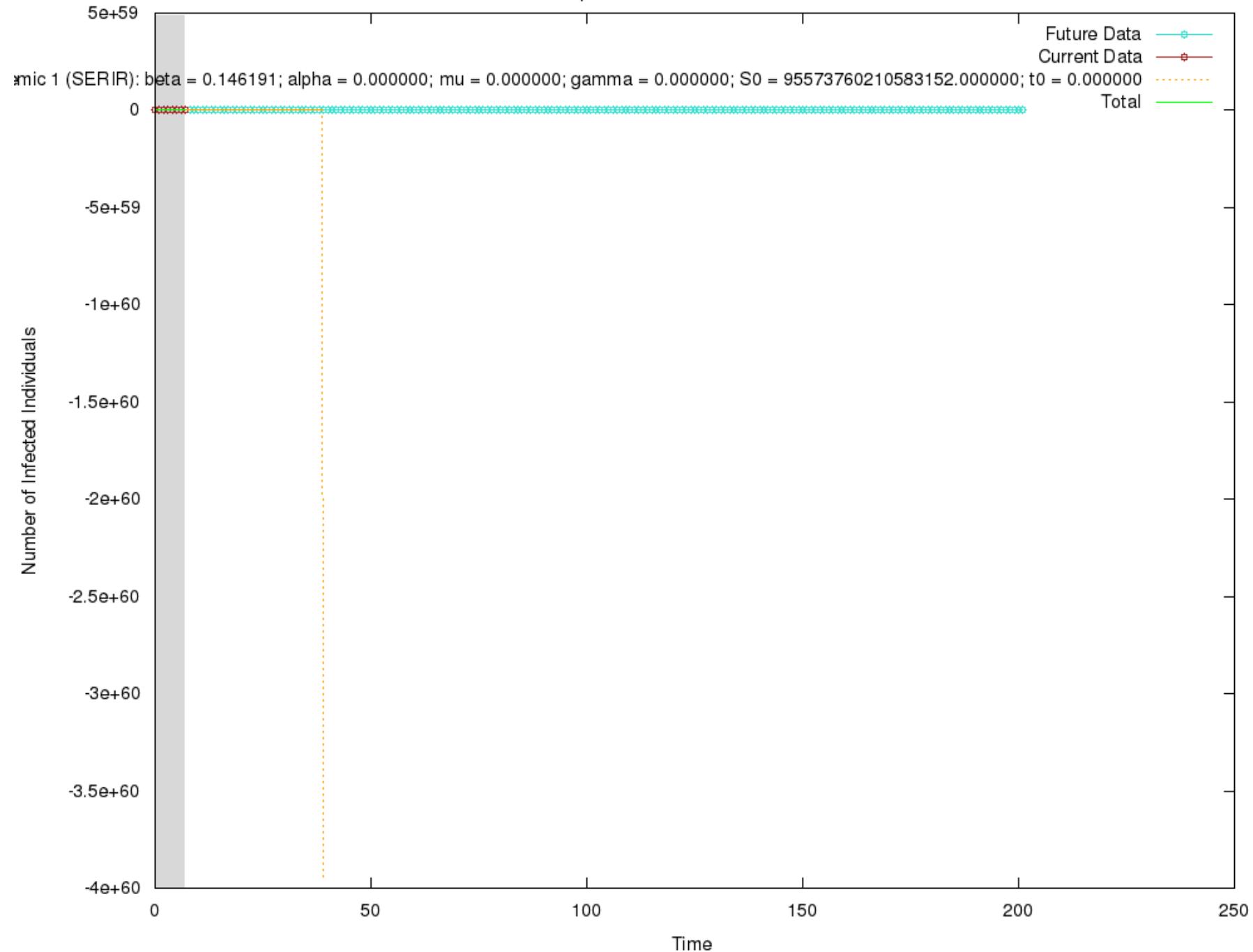
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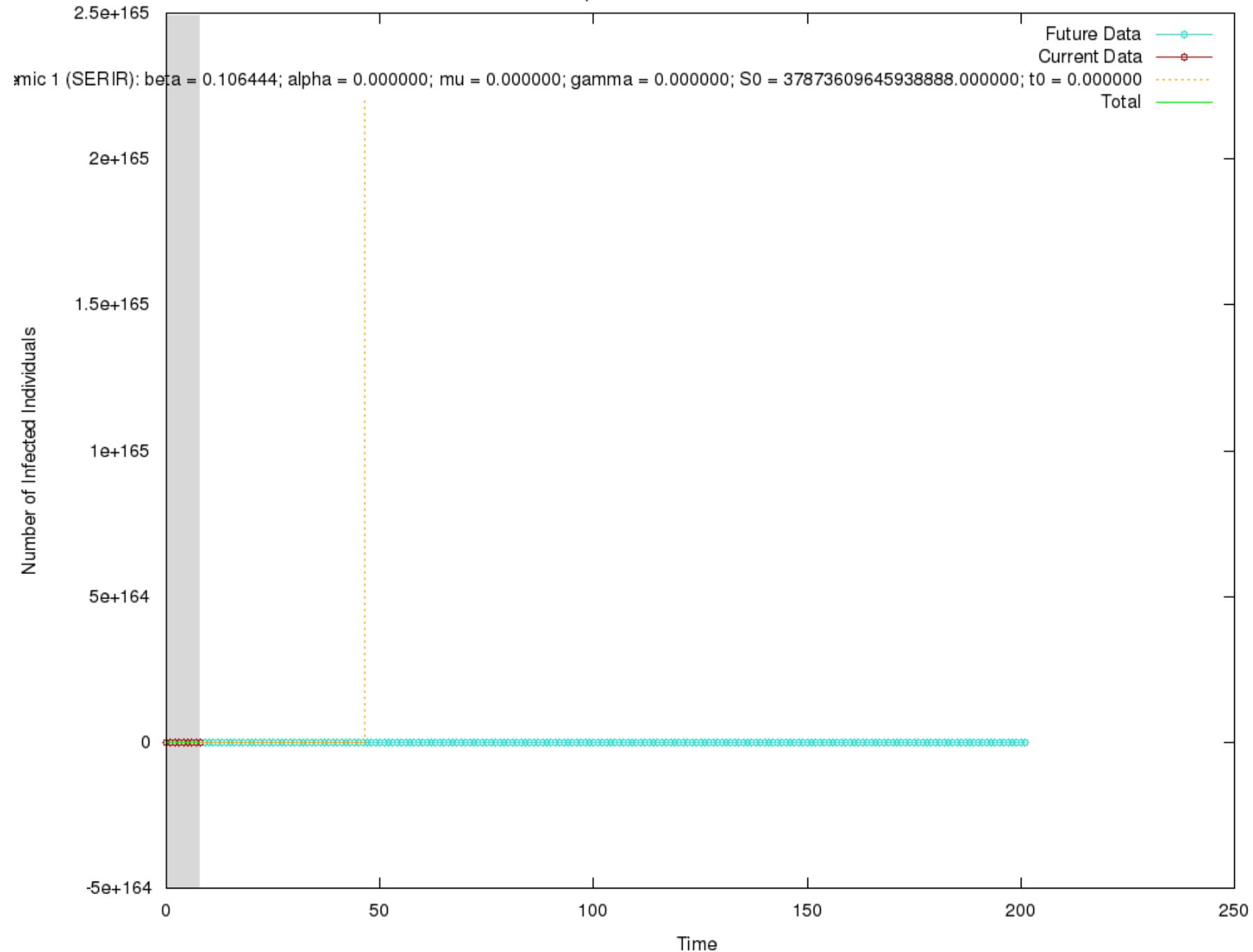
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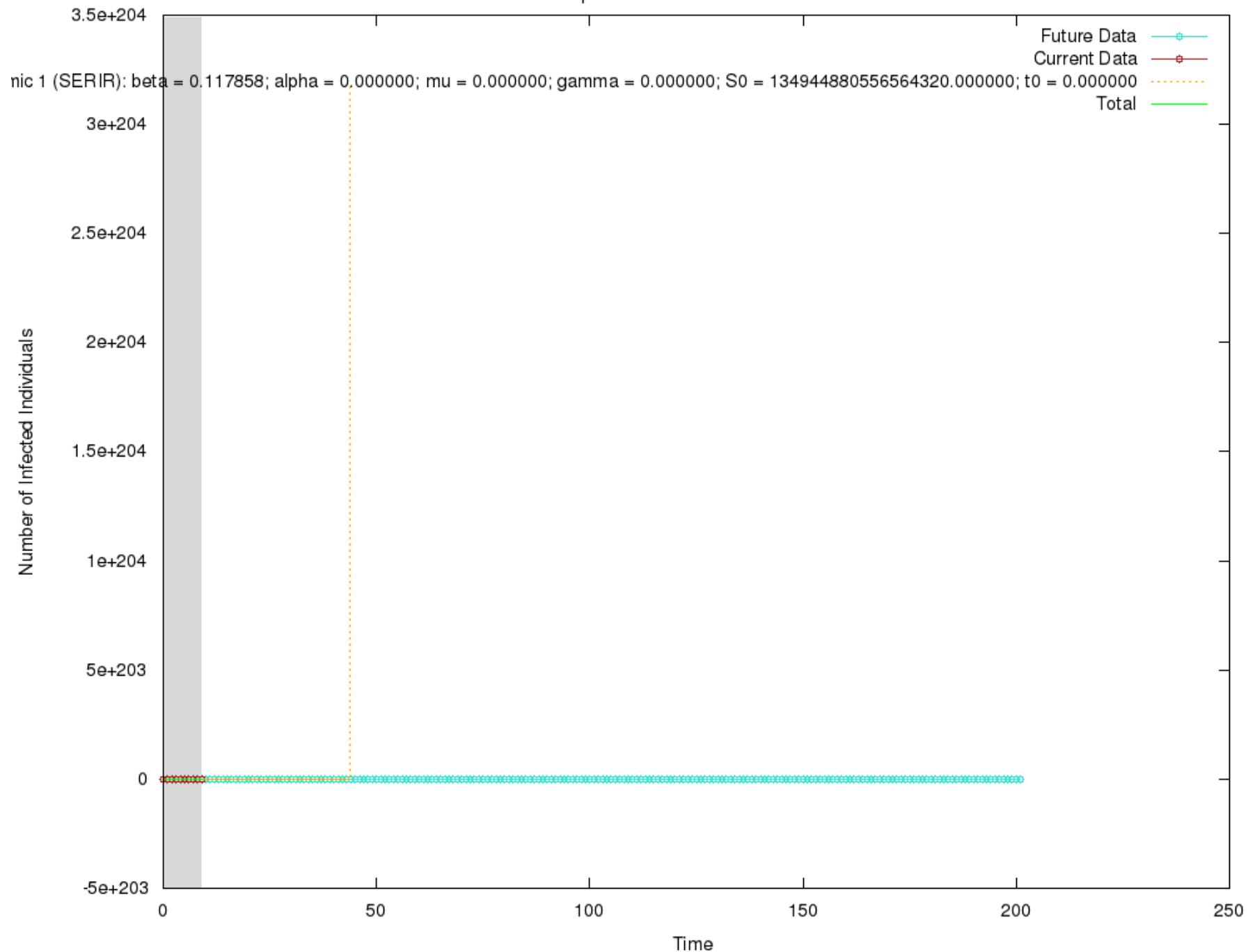
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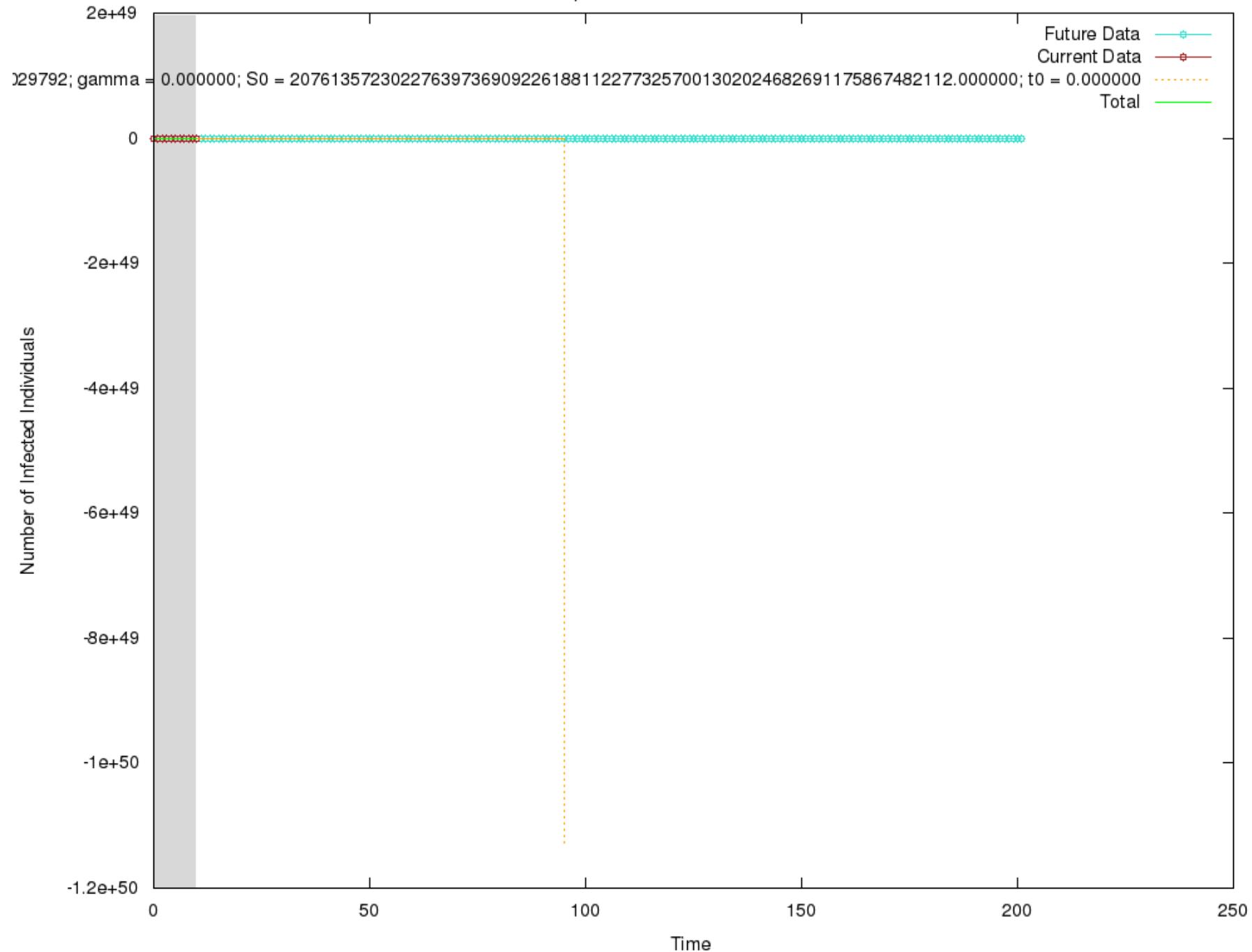
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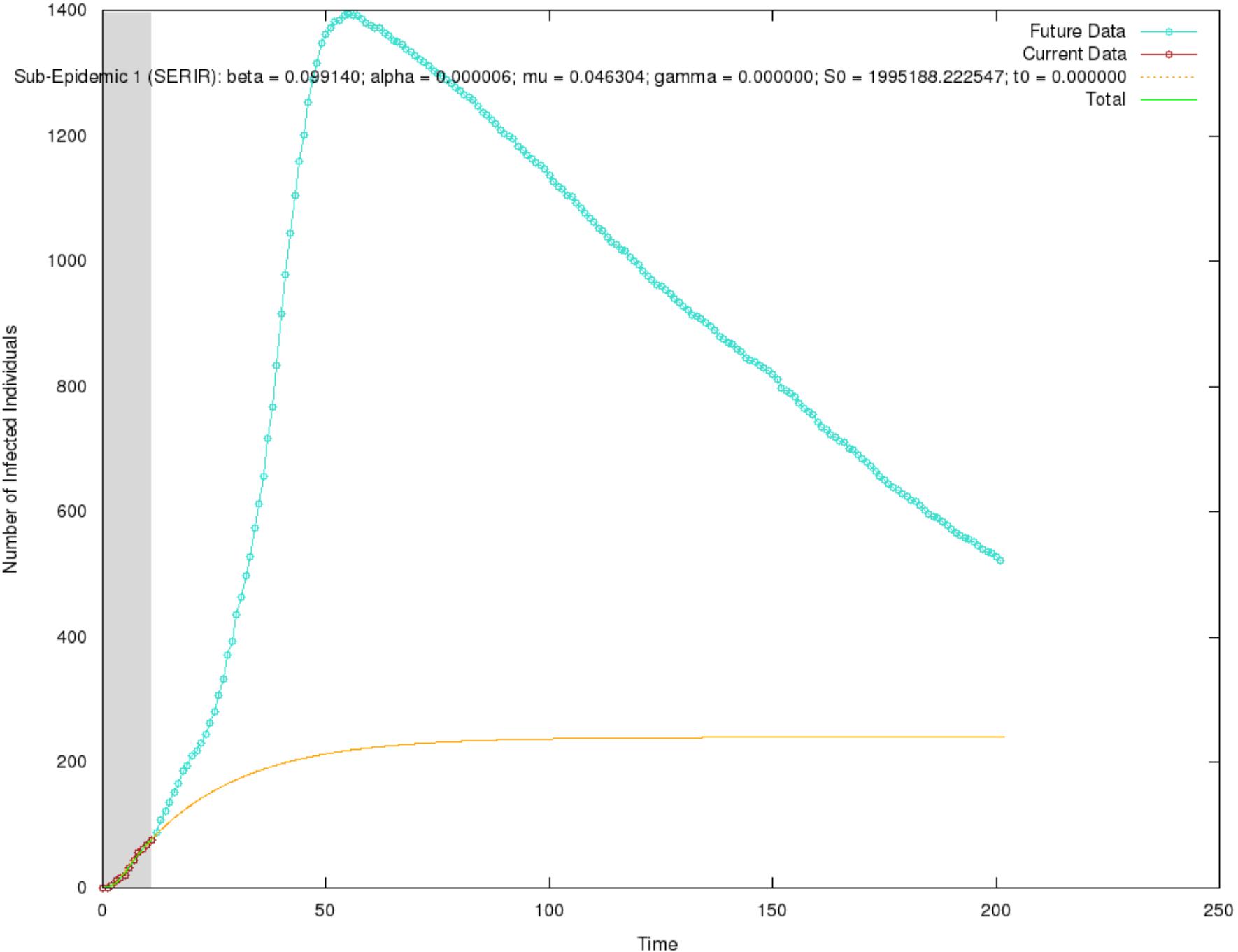
RSquare: 0.988935. Run number: 9



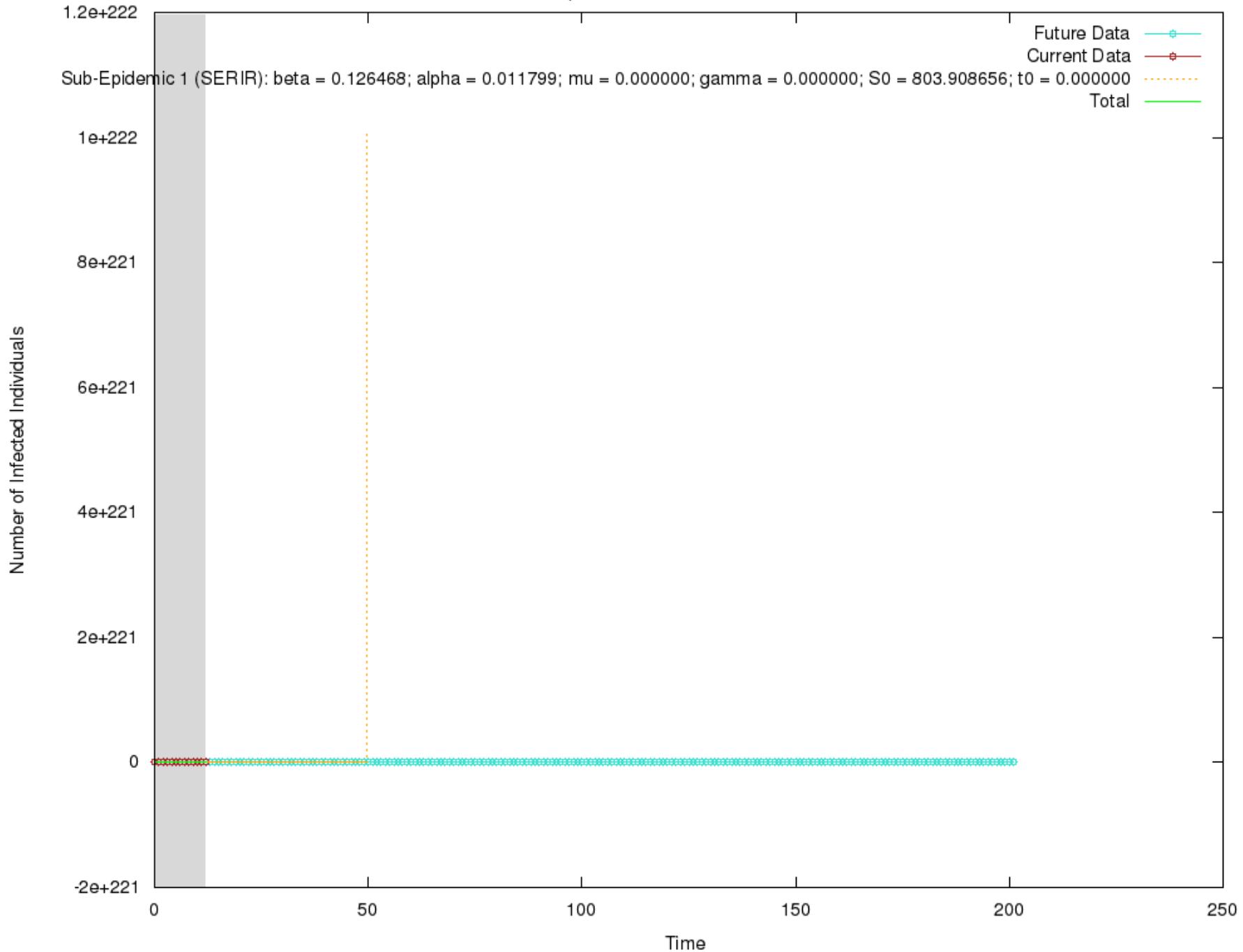
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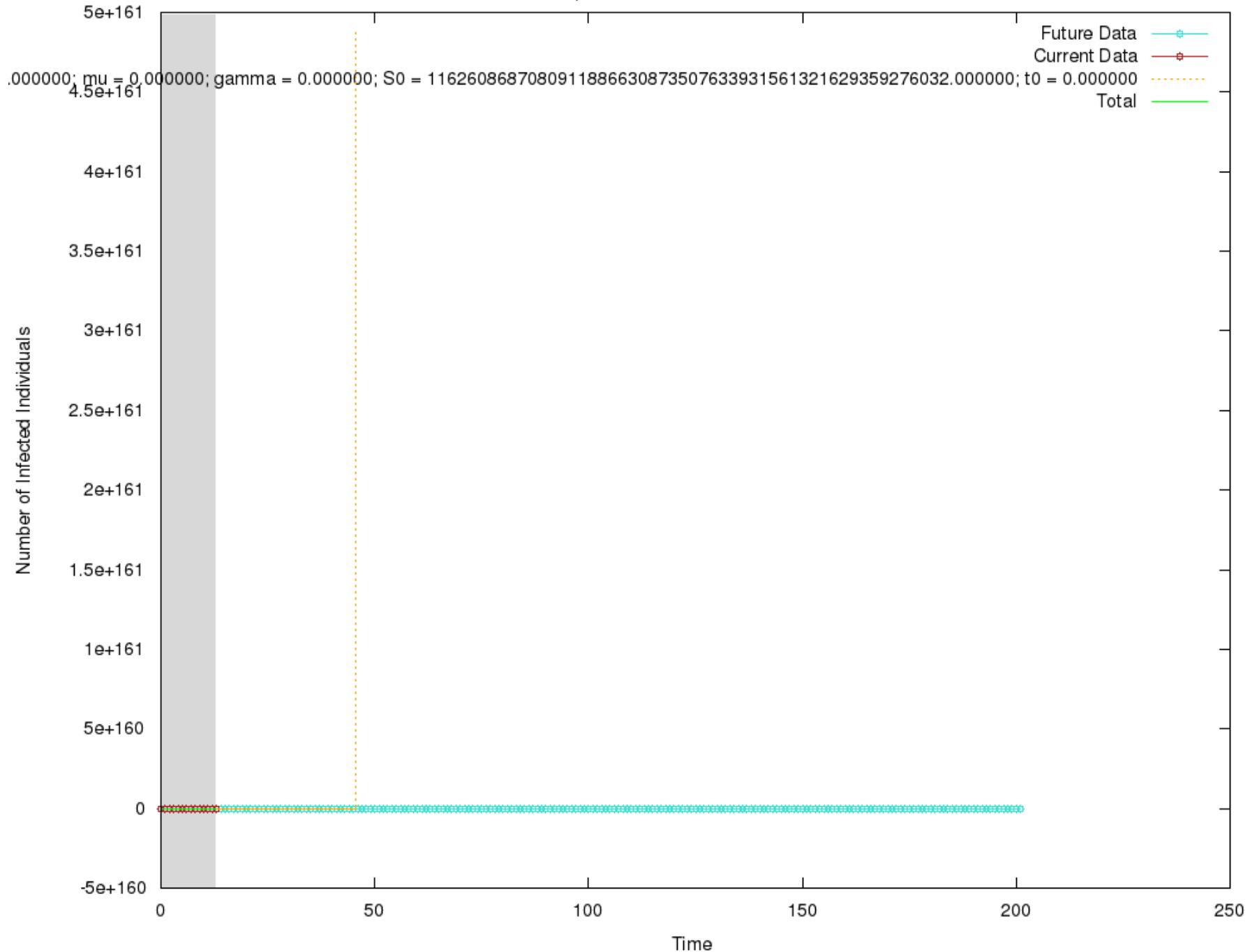
RSquare: 0.992730. Run number: 11



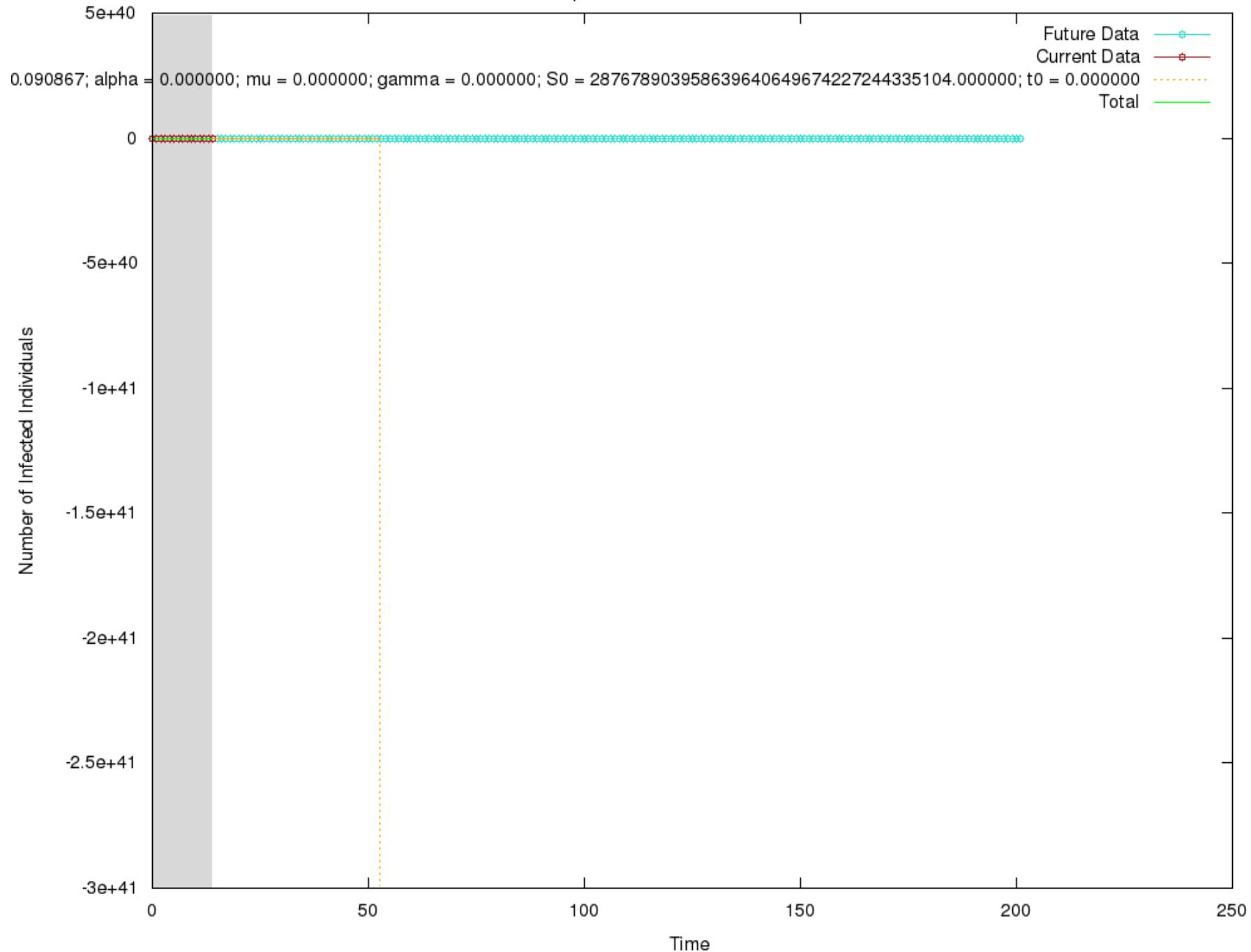
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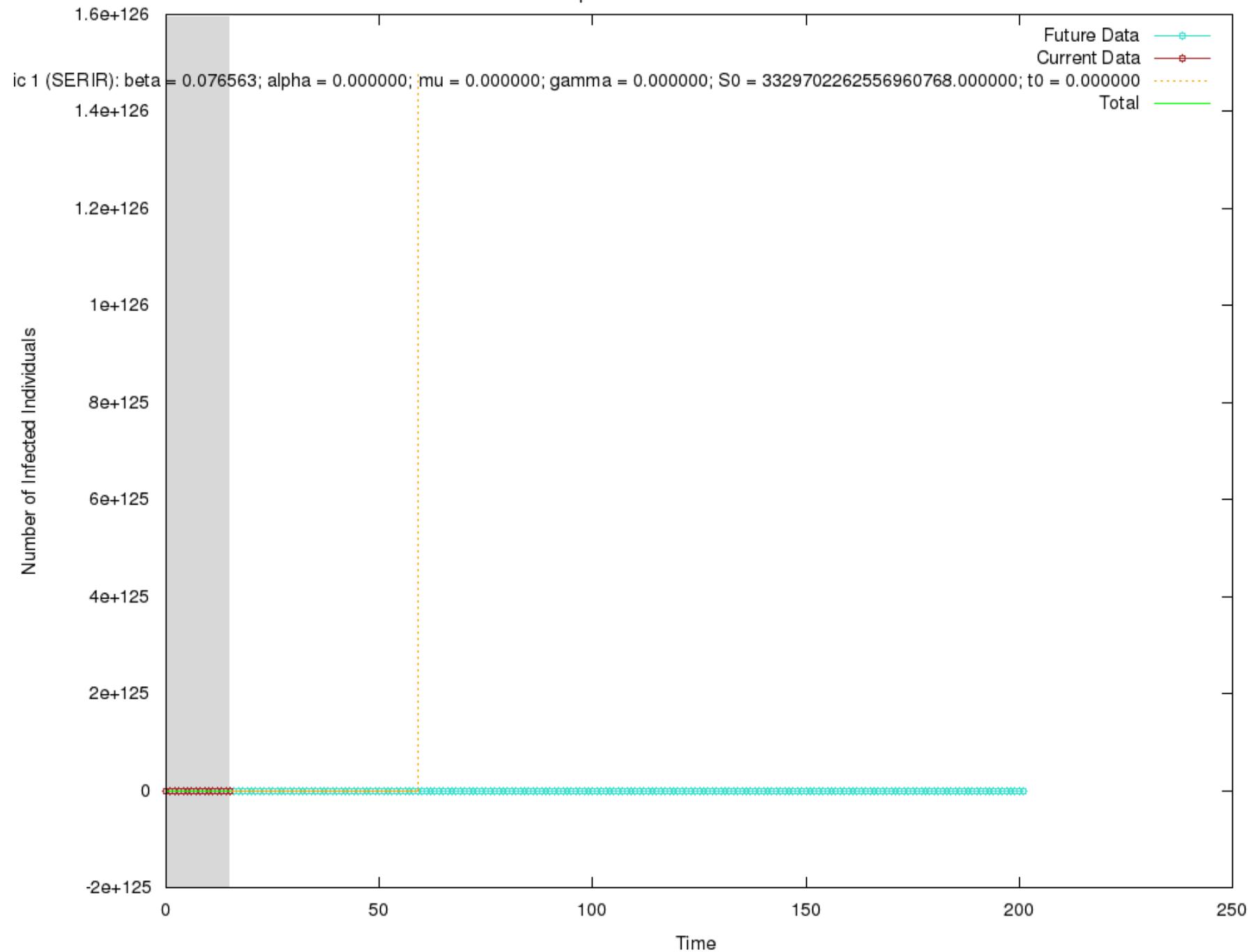
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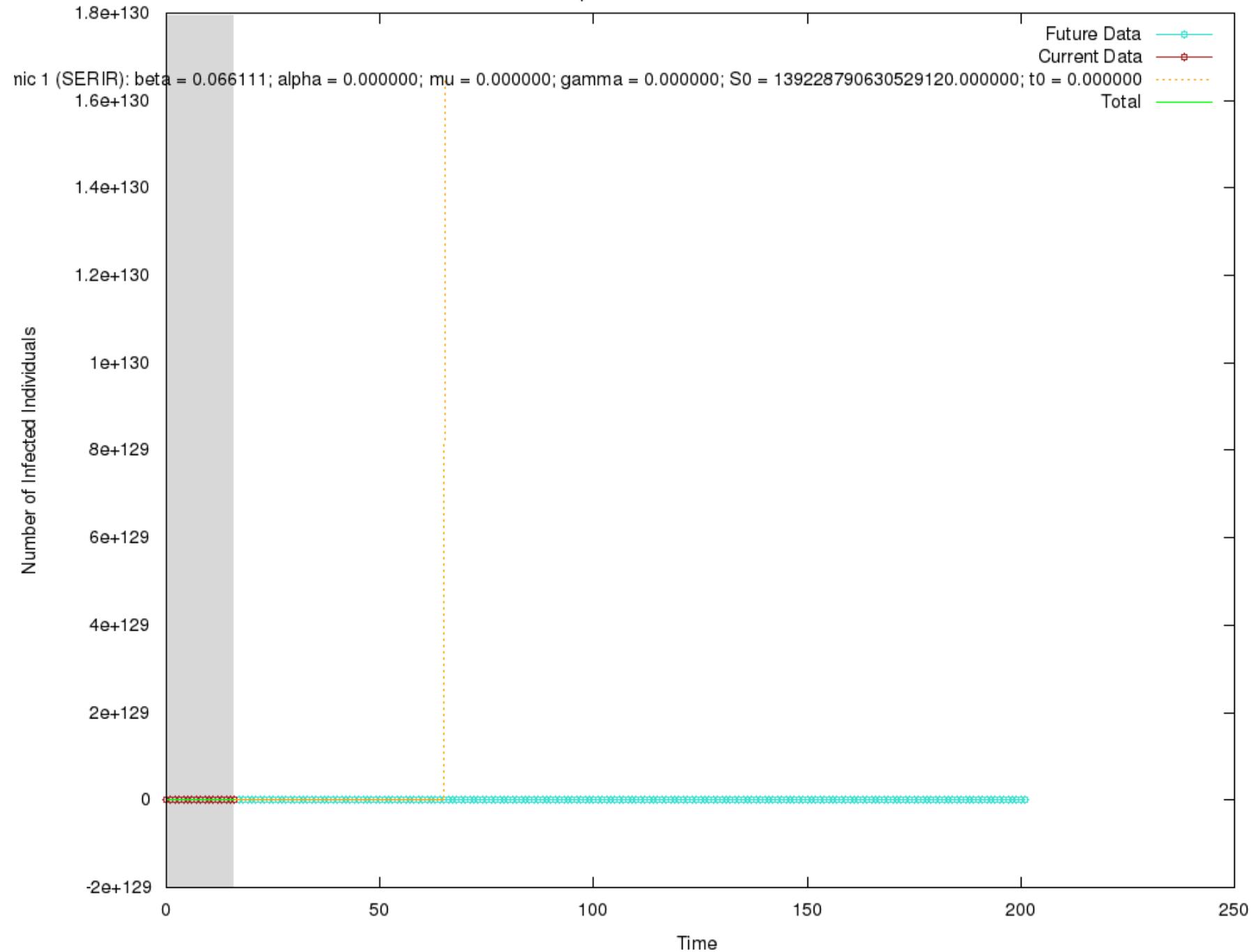
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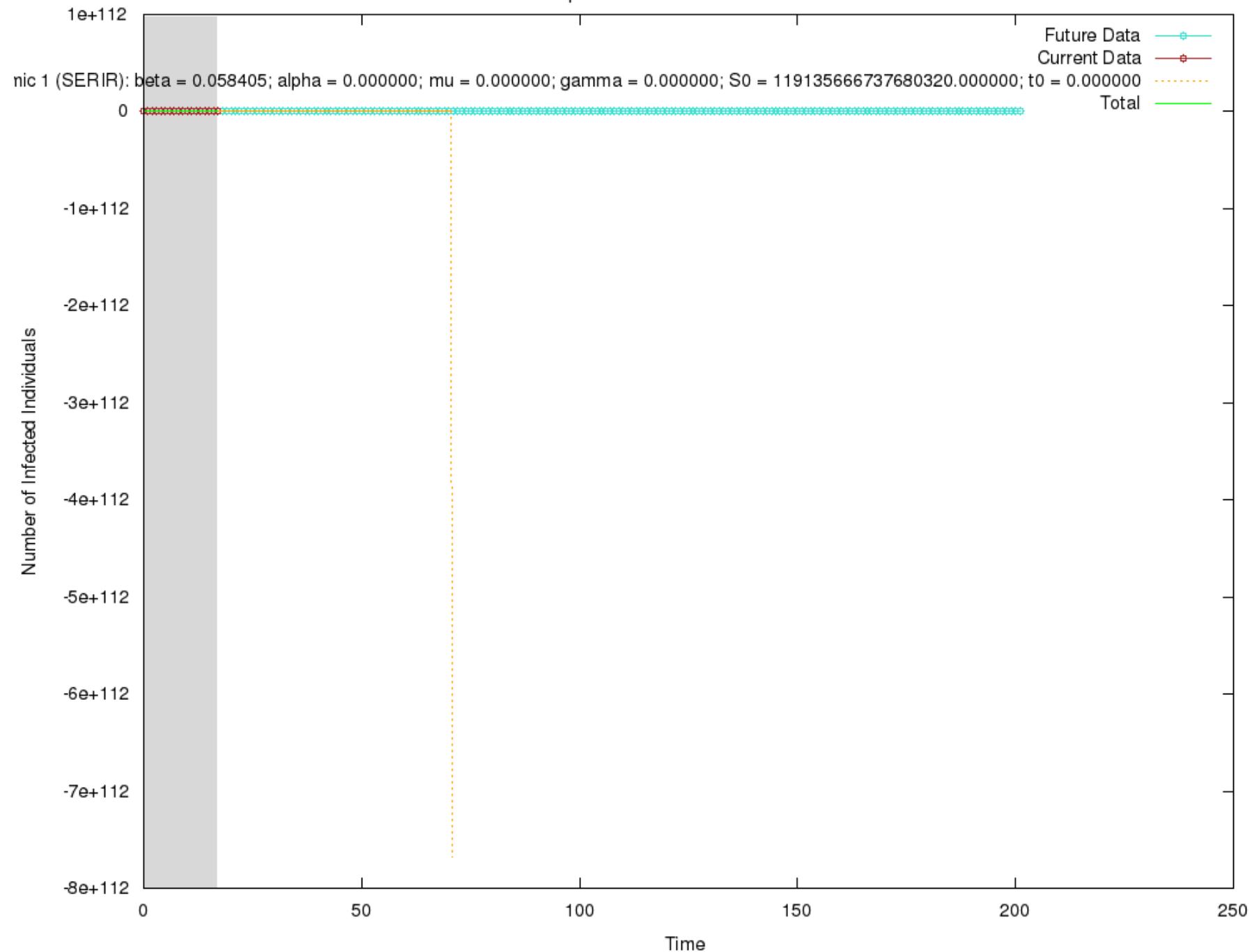
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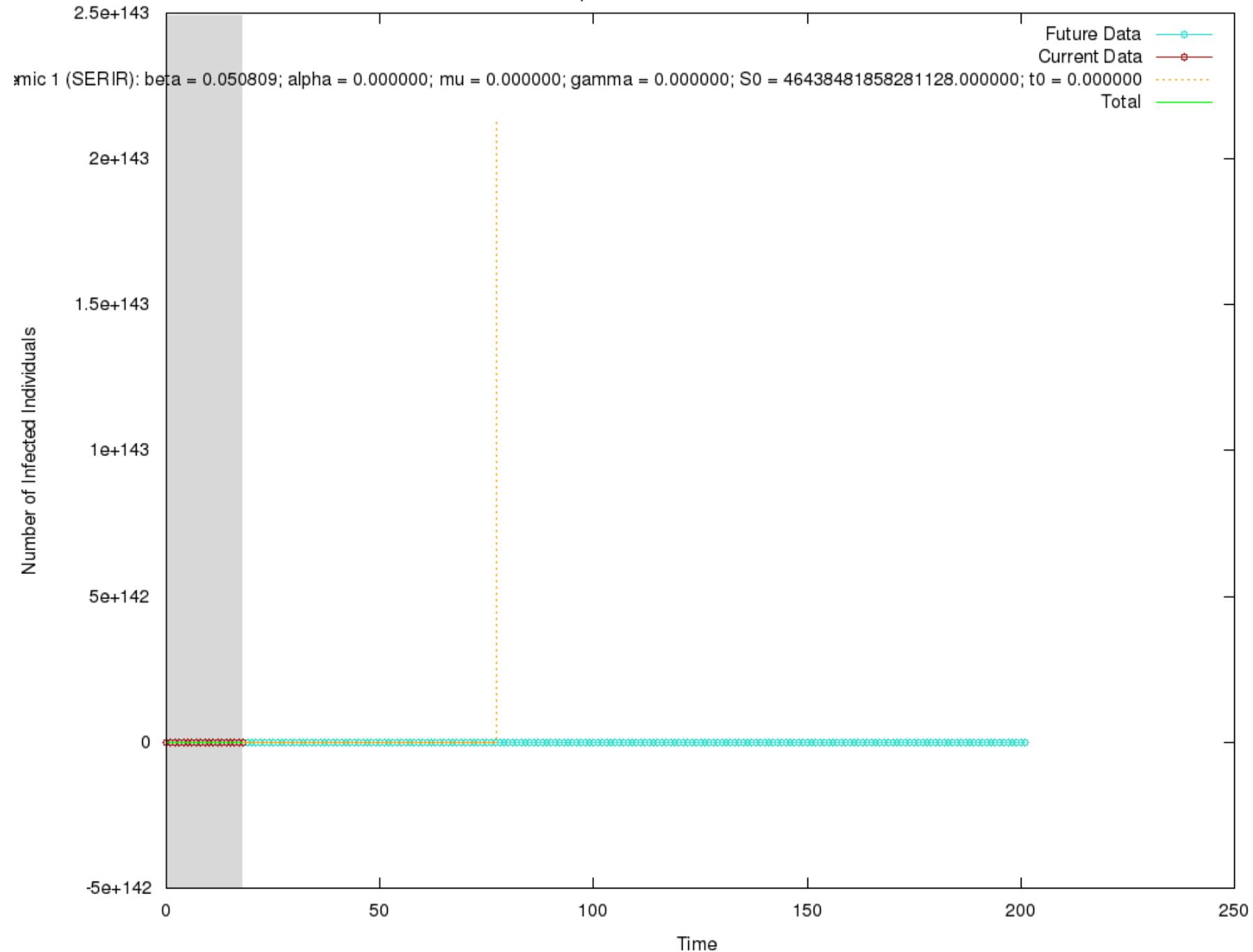
RSquare: 0.987757. Run number: 16



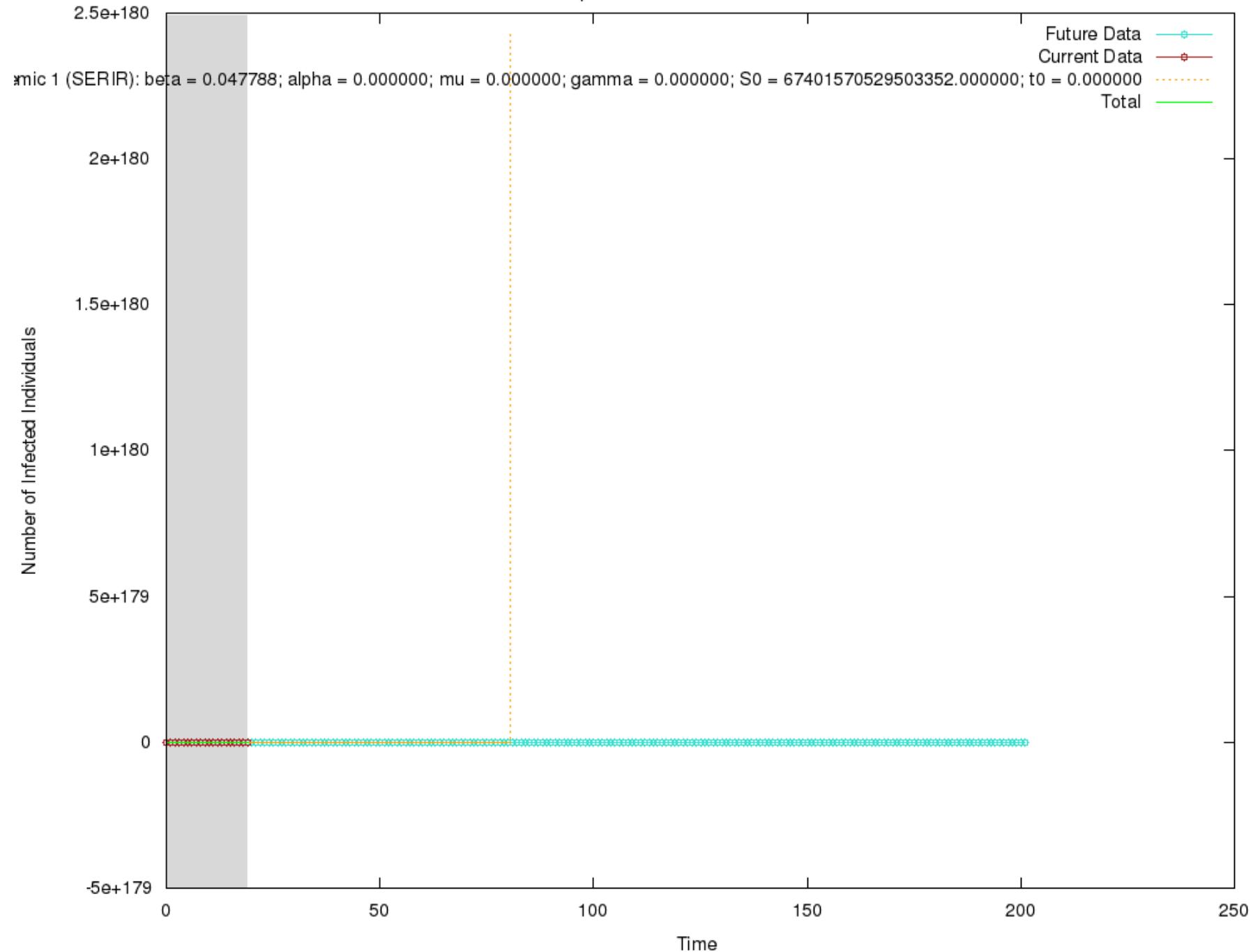
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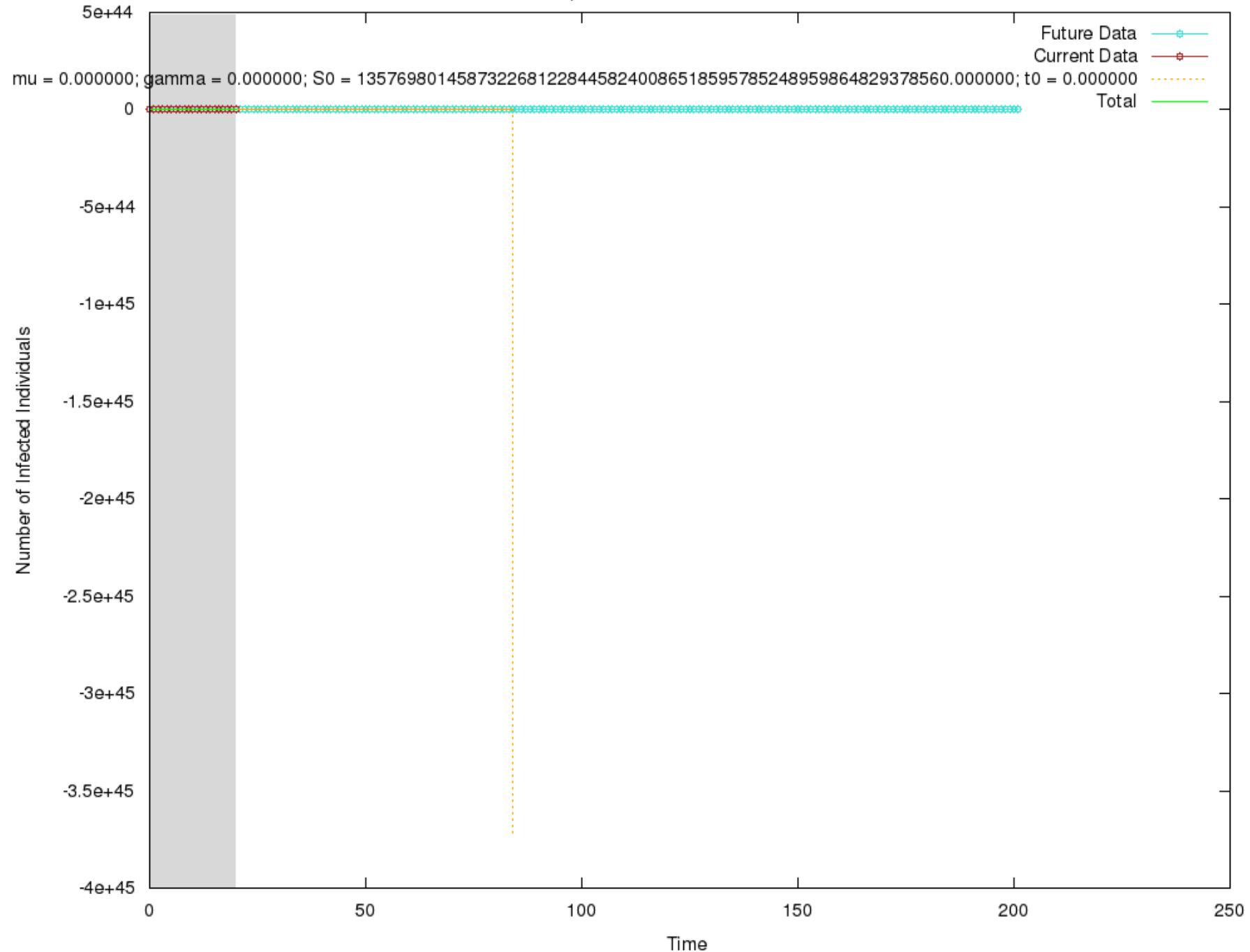
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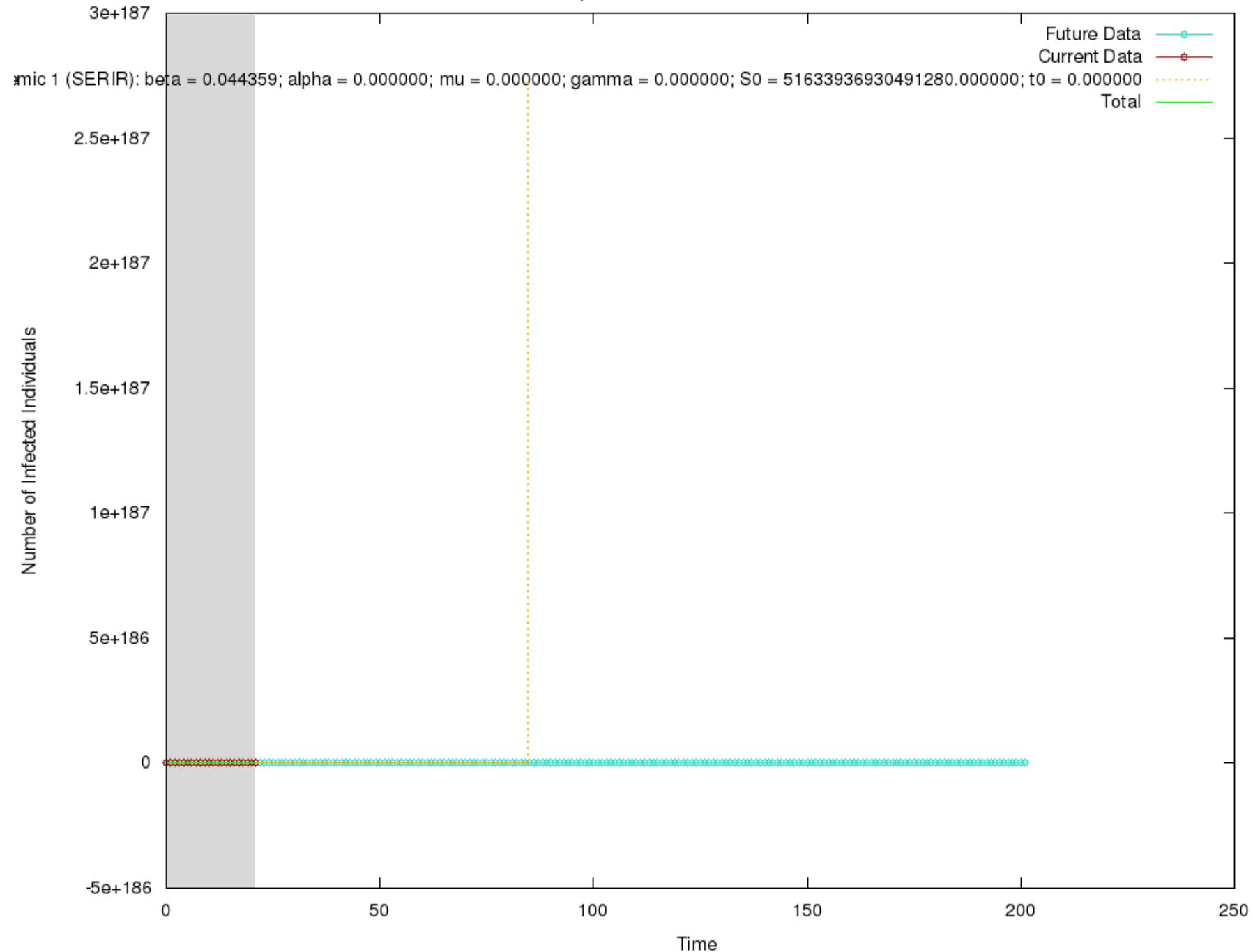
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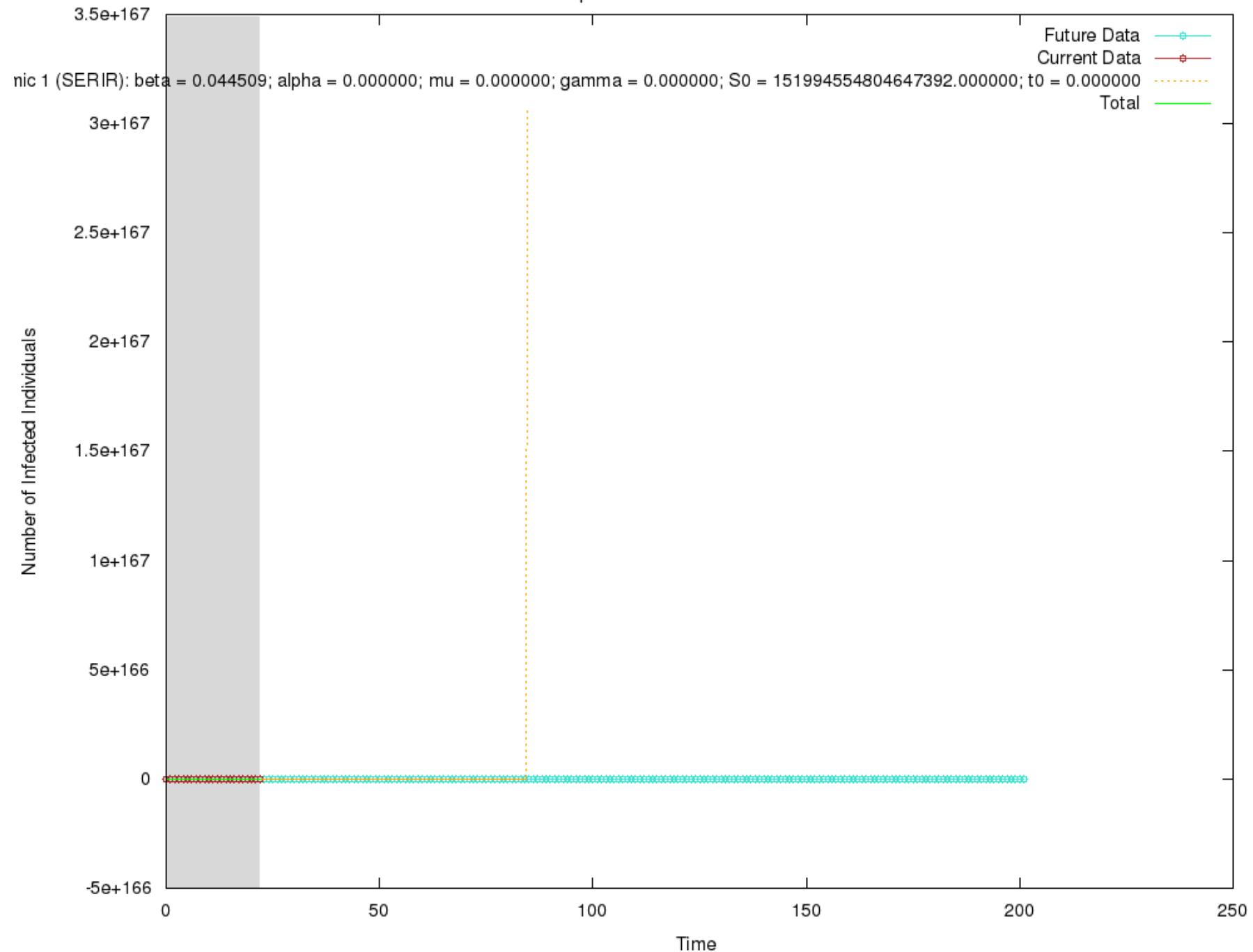
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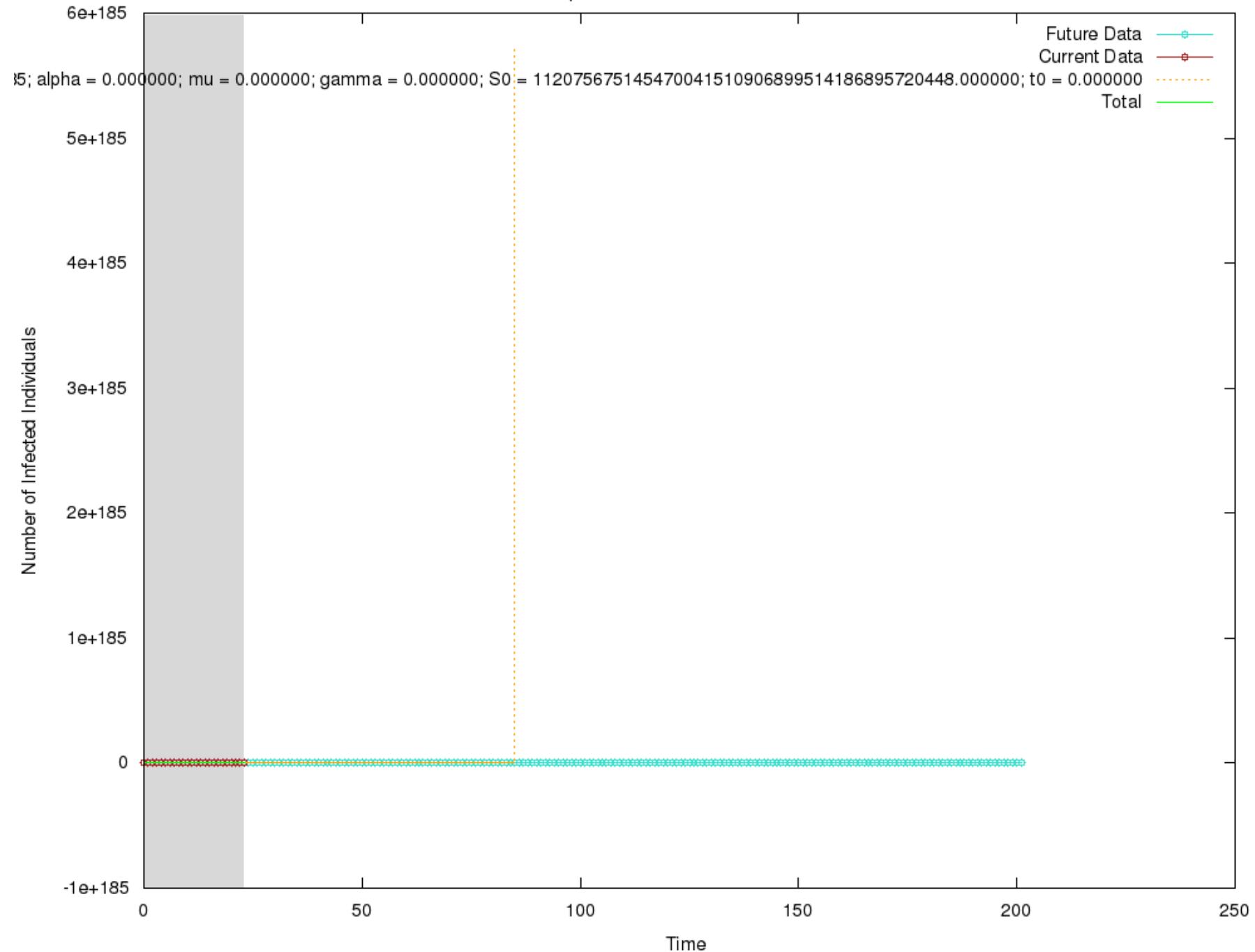
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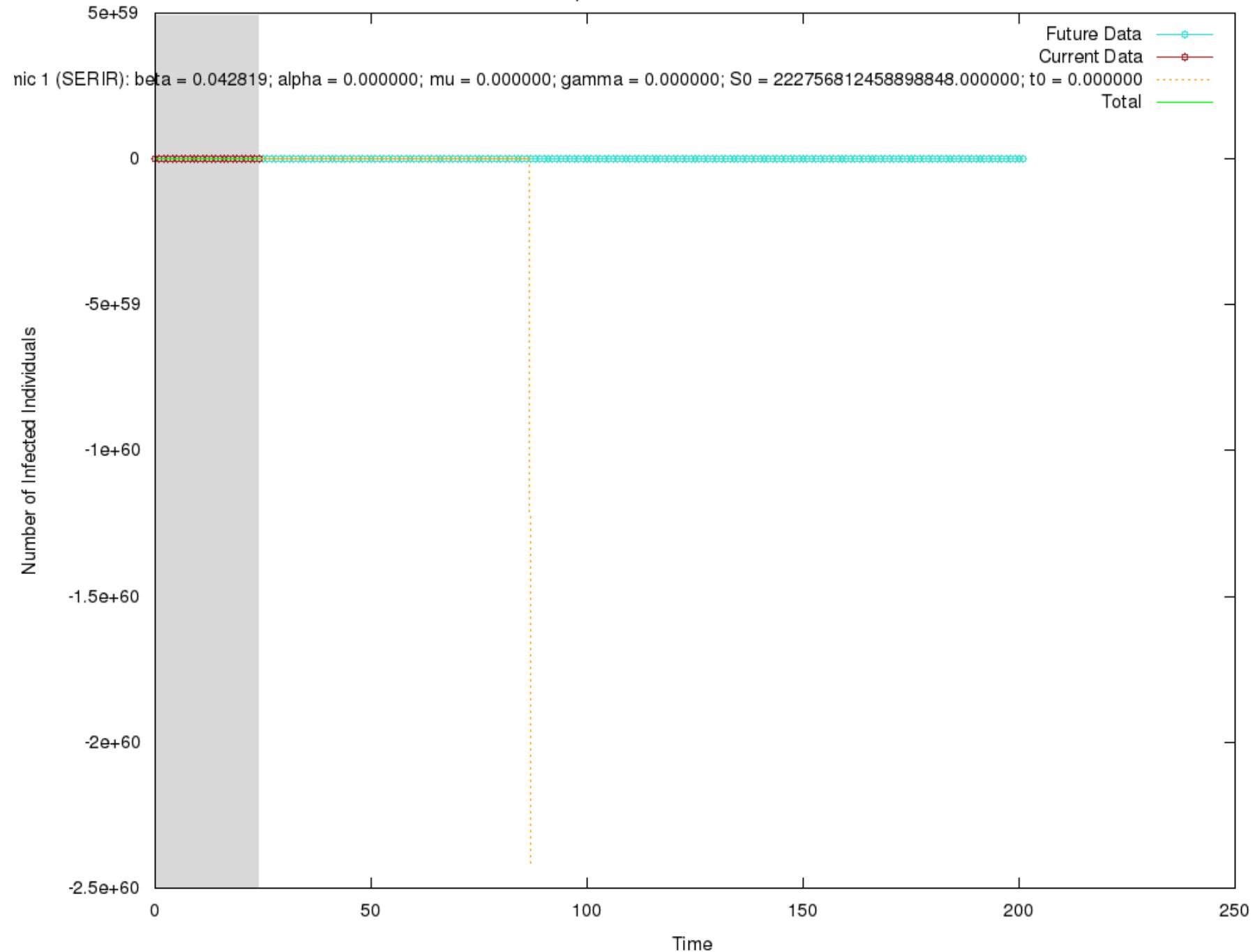
RSquare: 0.993413. Run number: 22



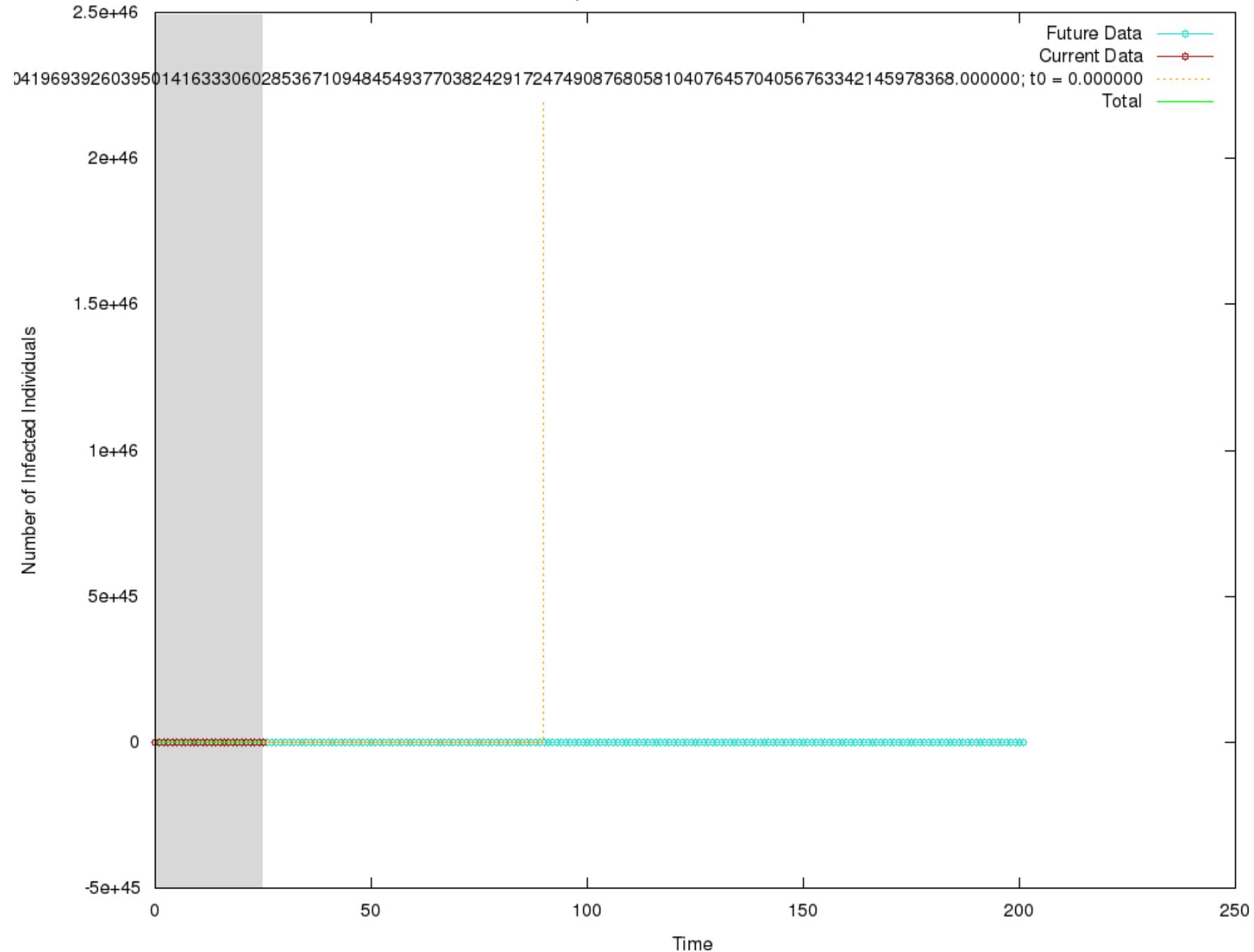
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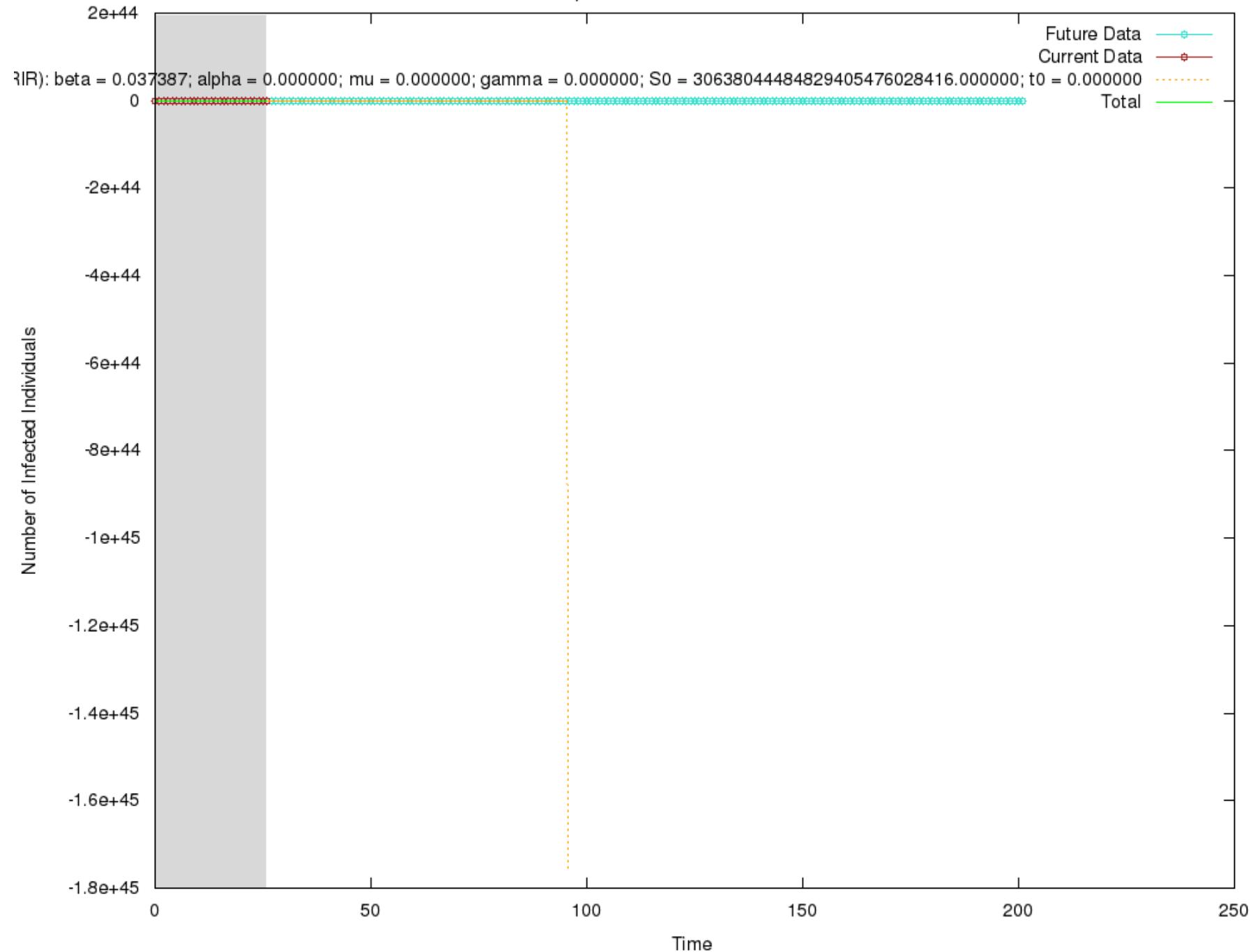
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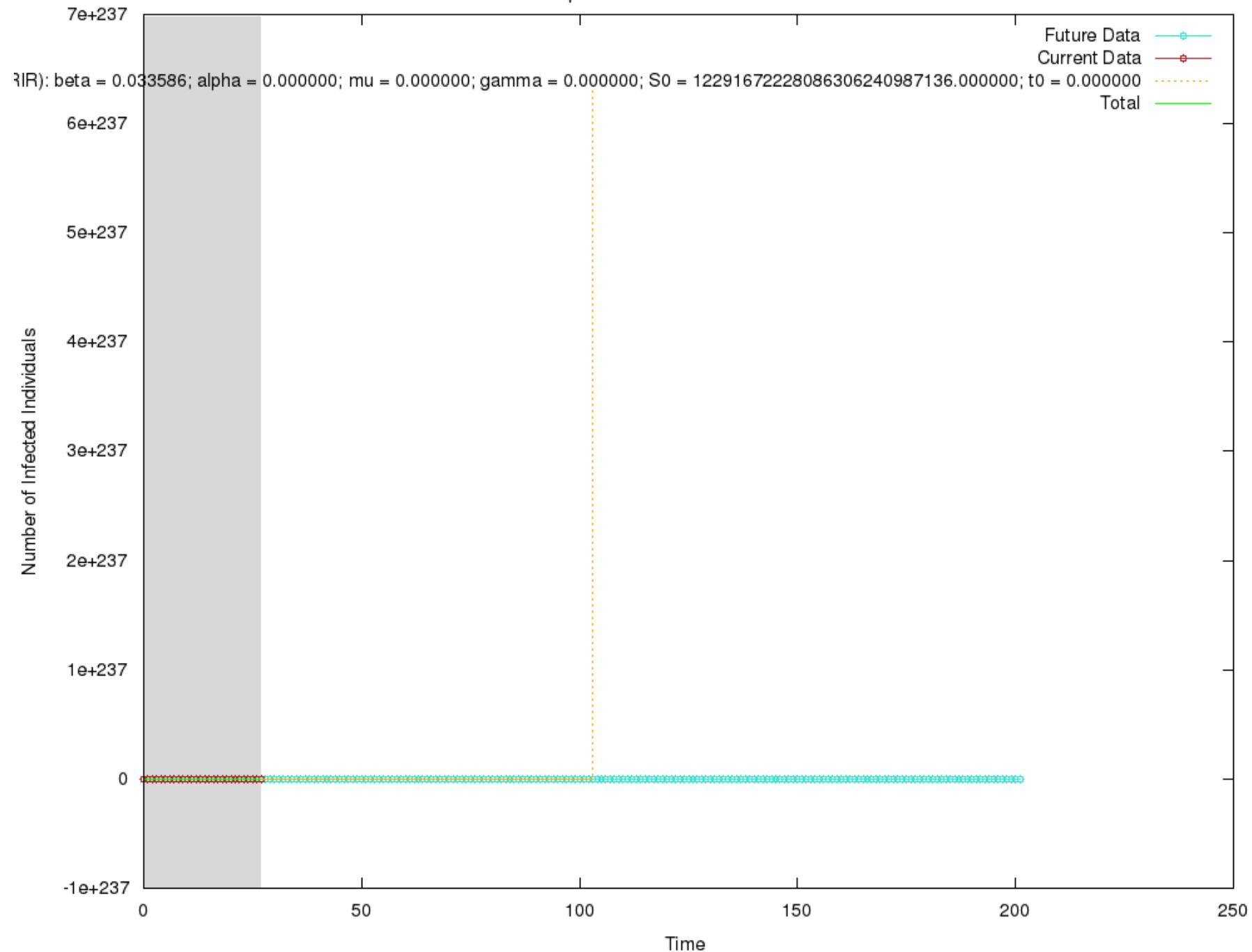
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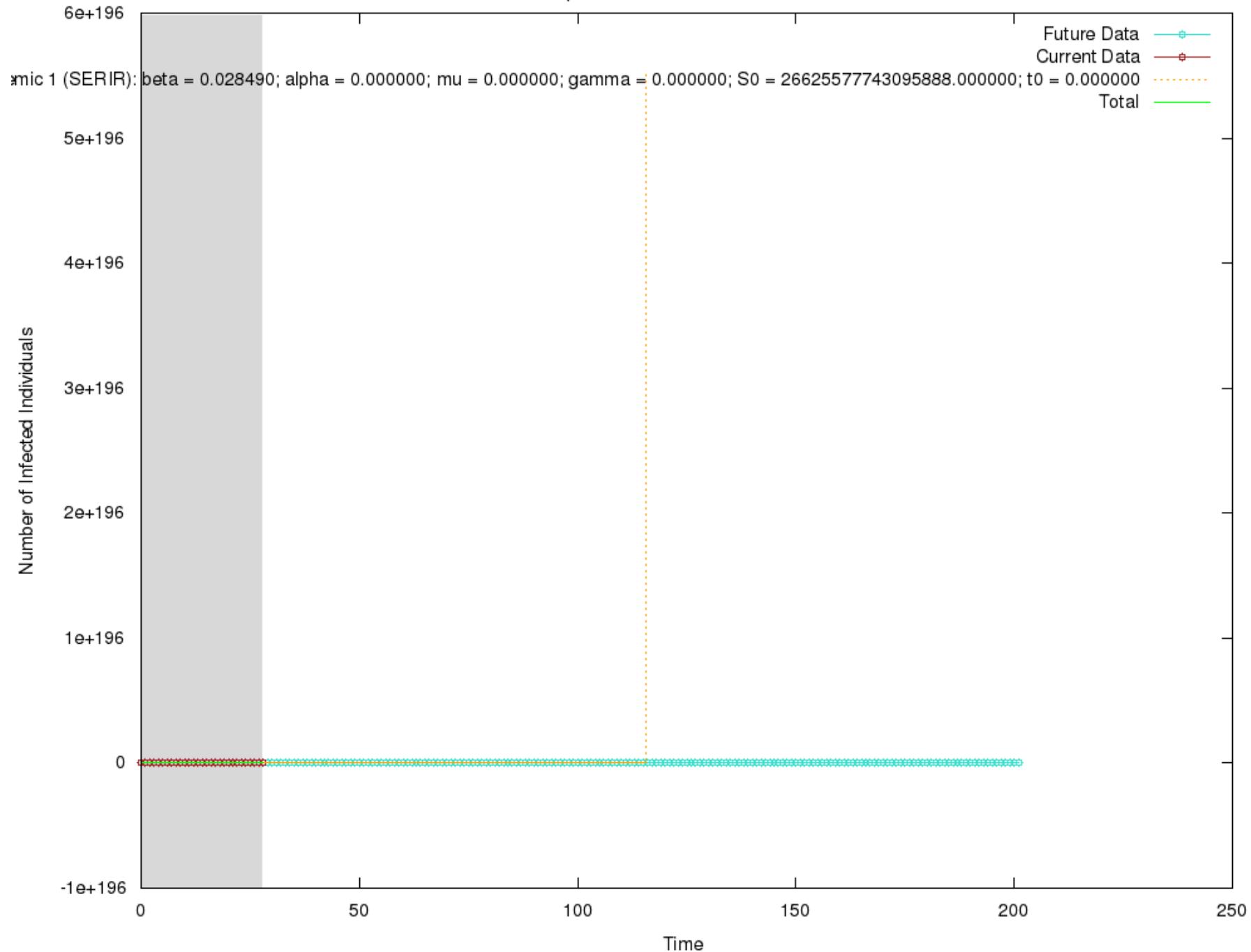
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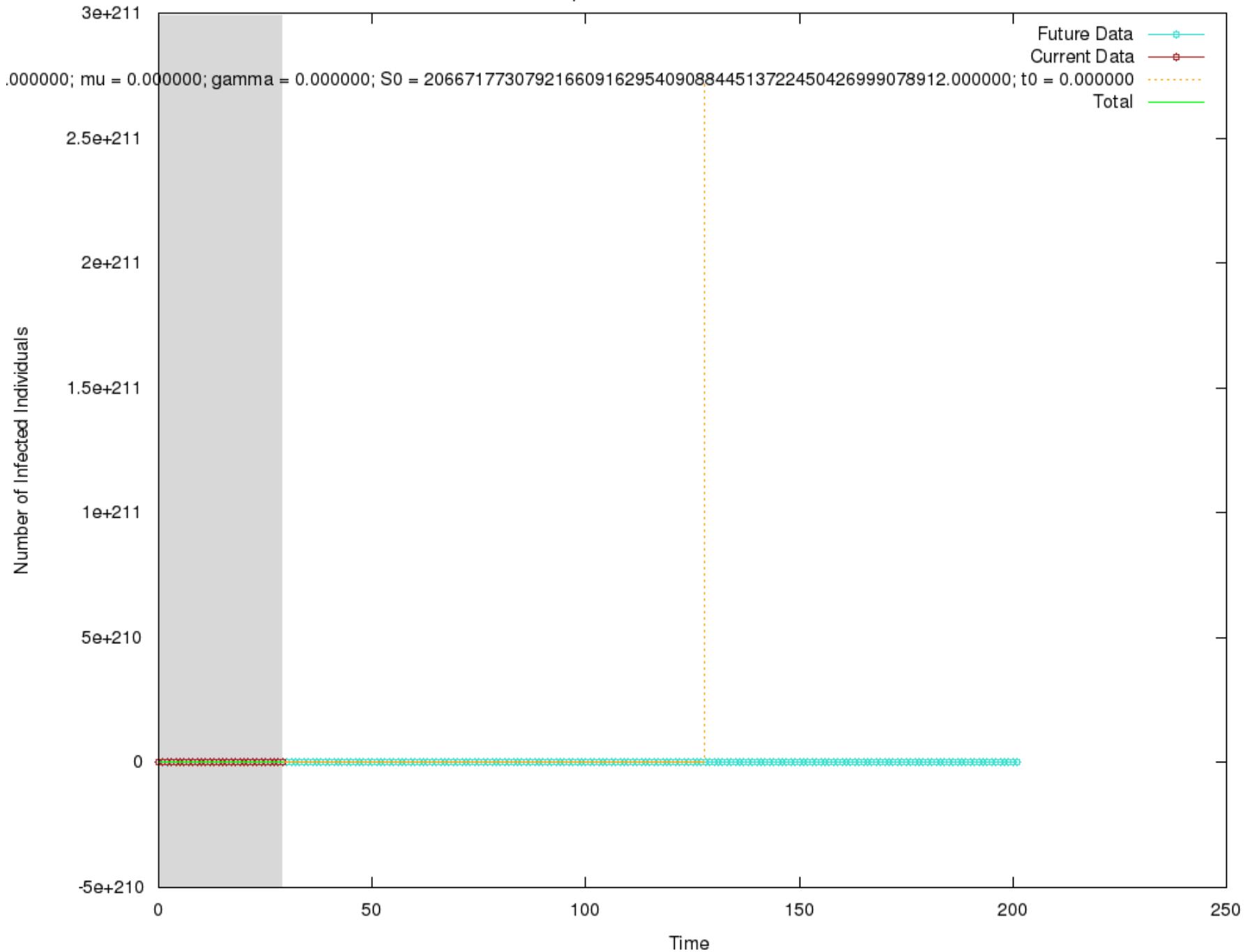
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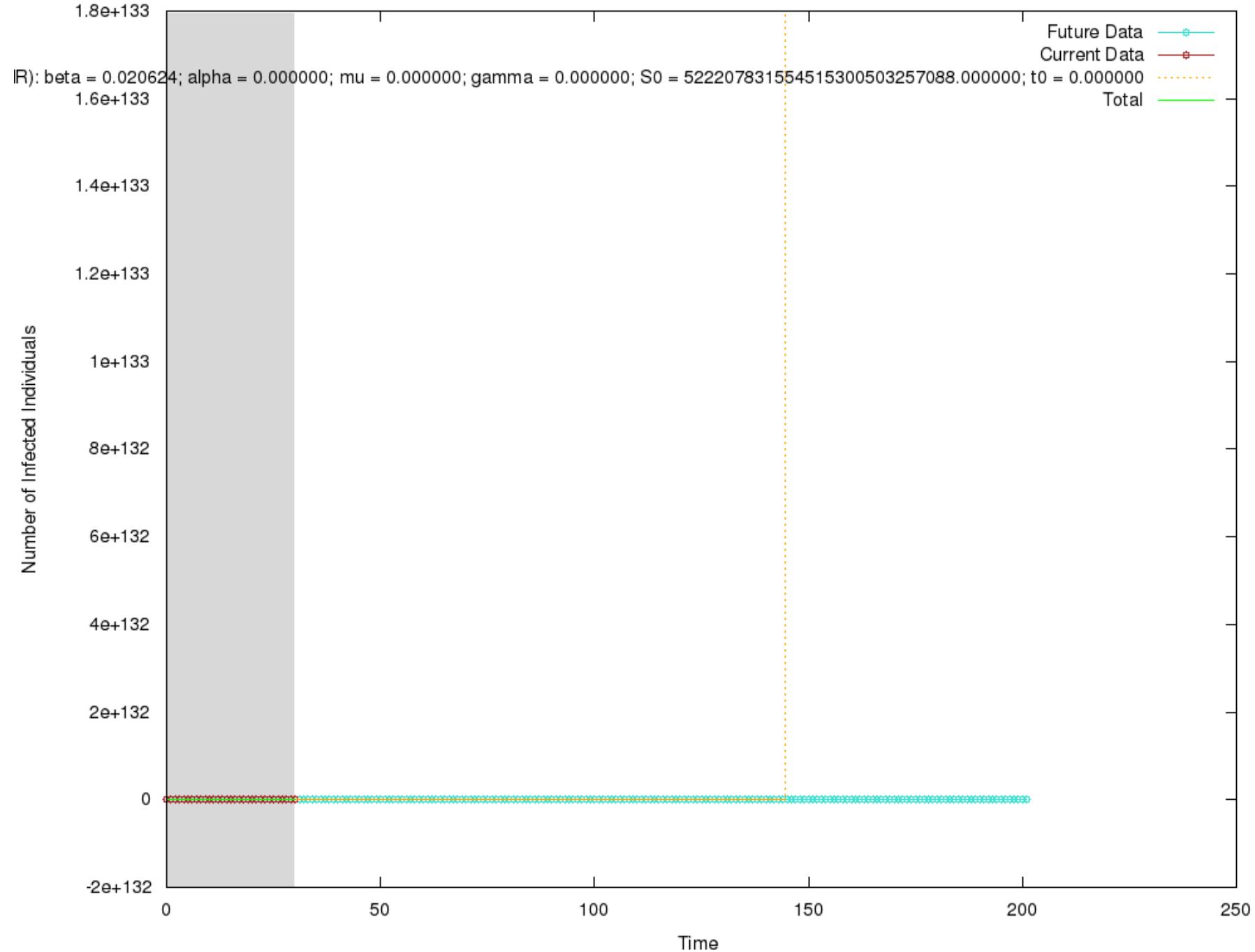
RSquare: 0.988430. Run number: 28



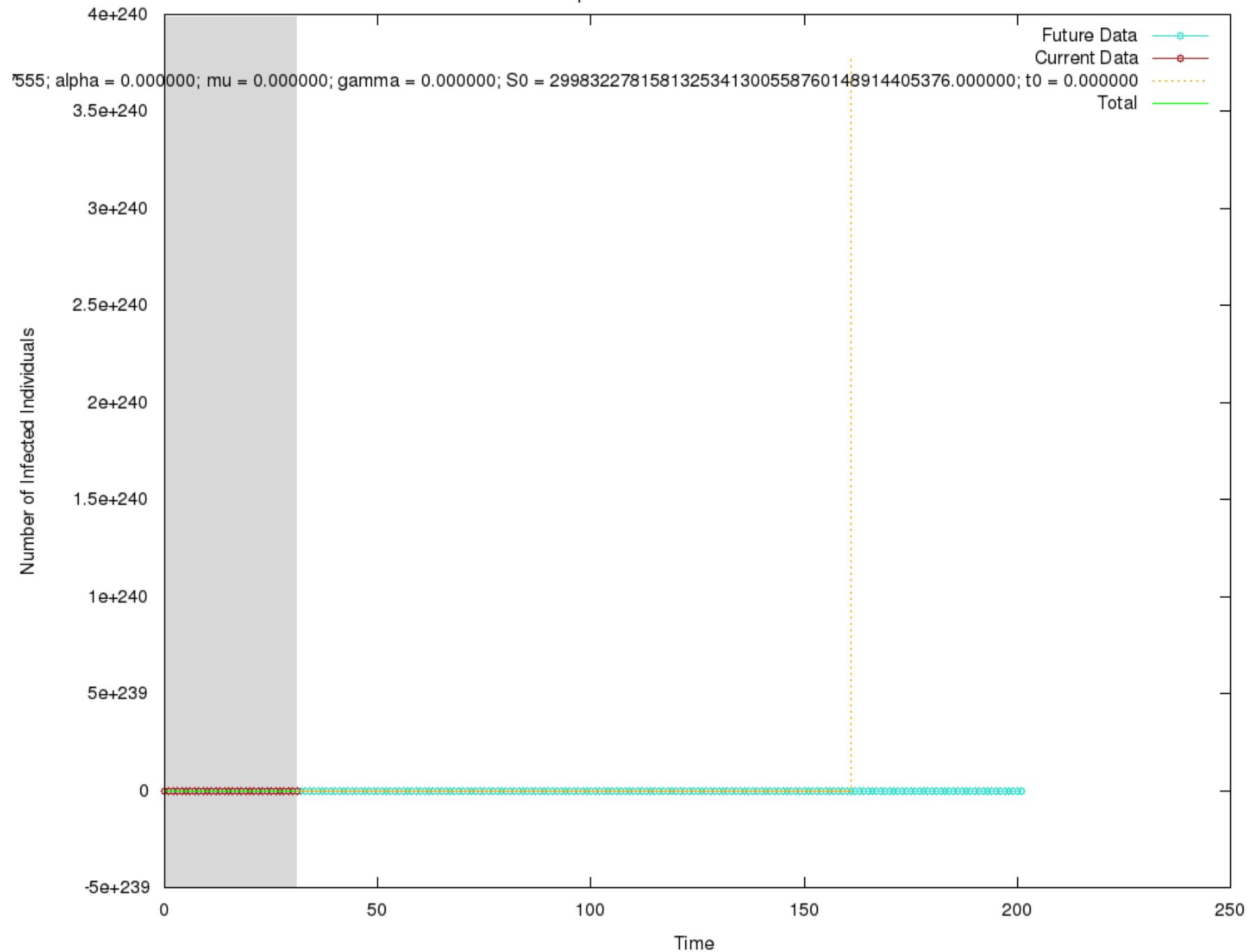
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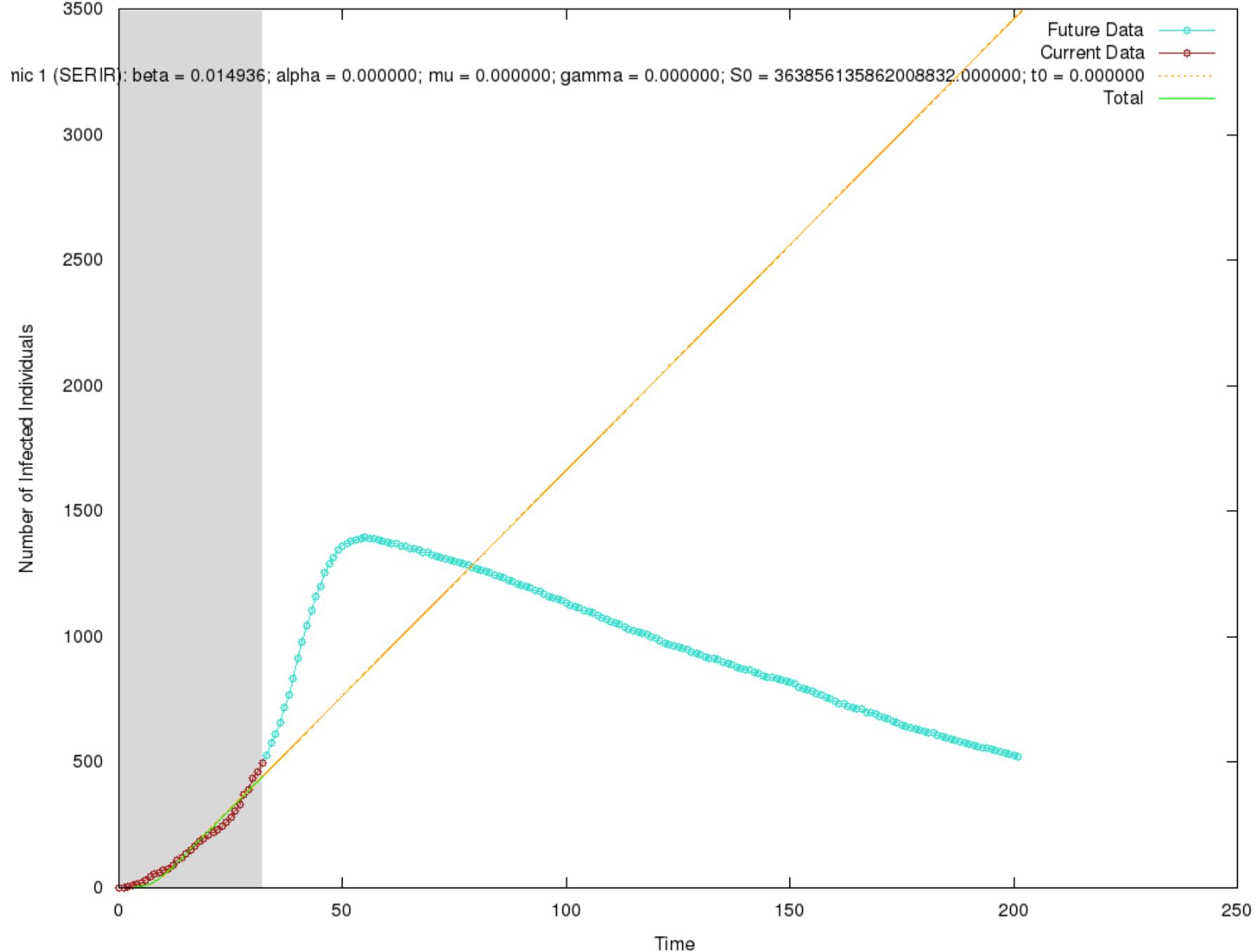
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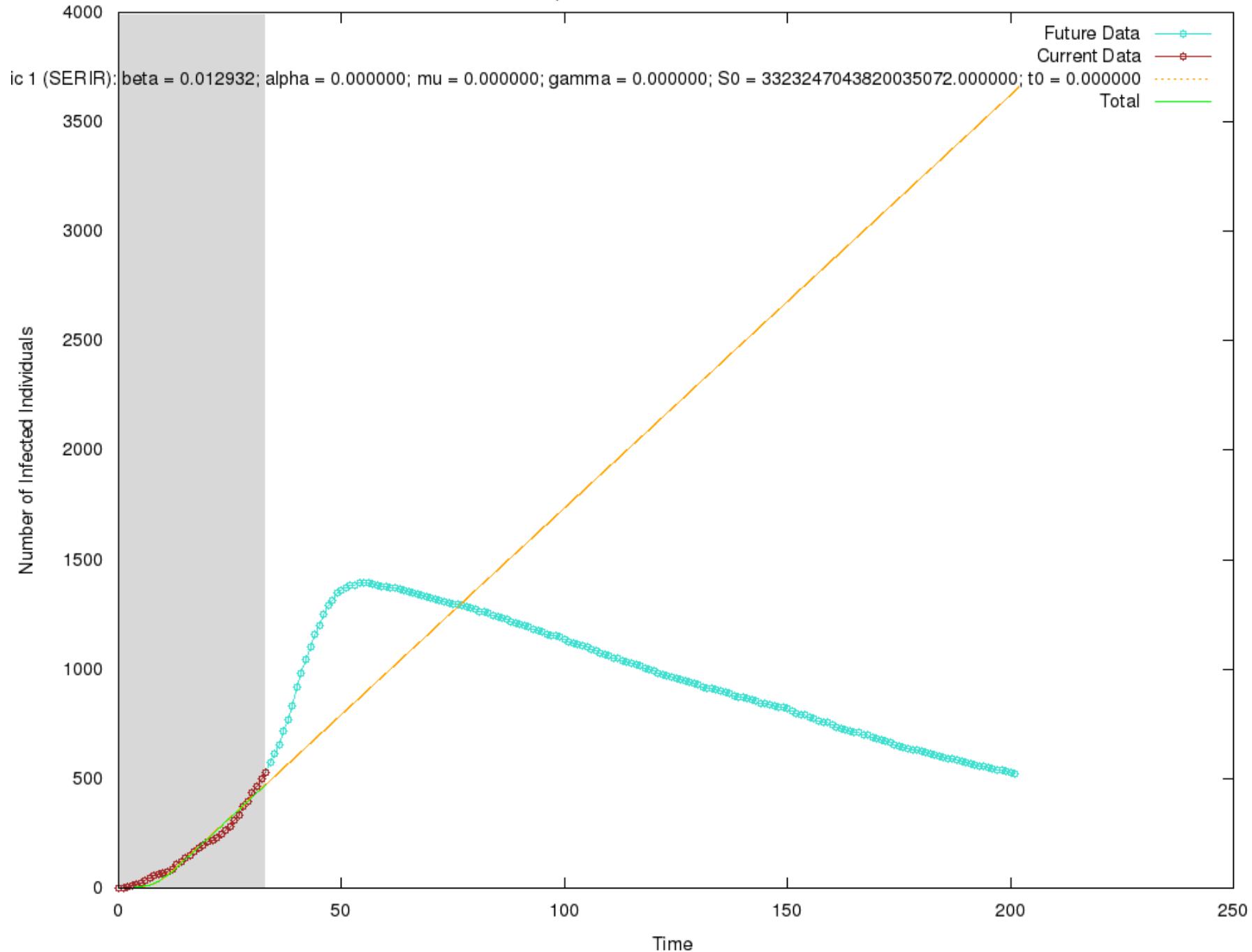
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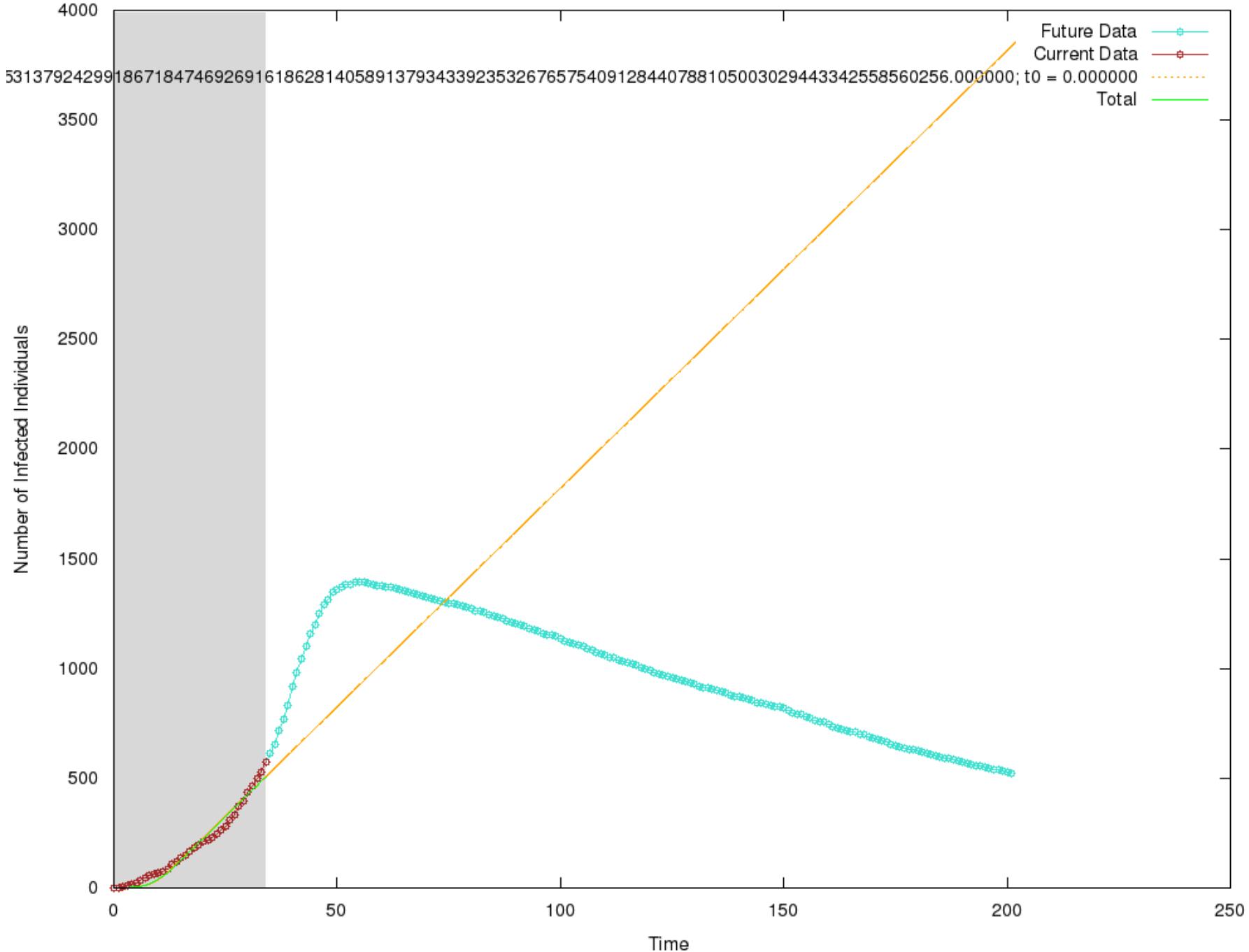
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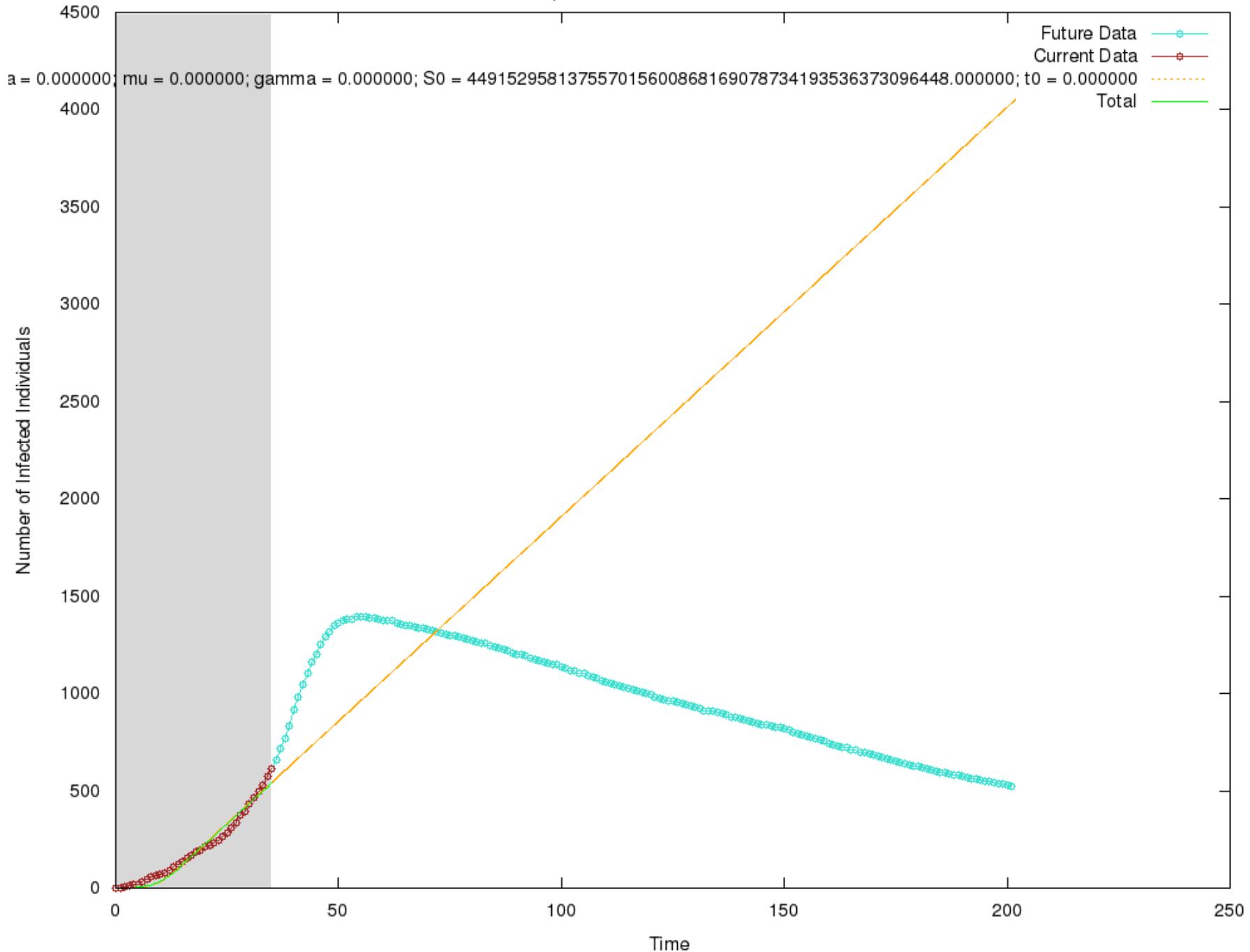
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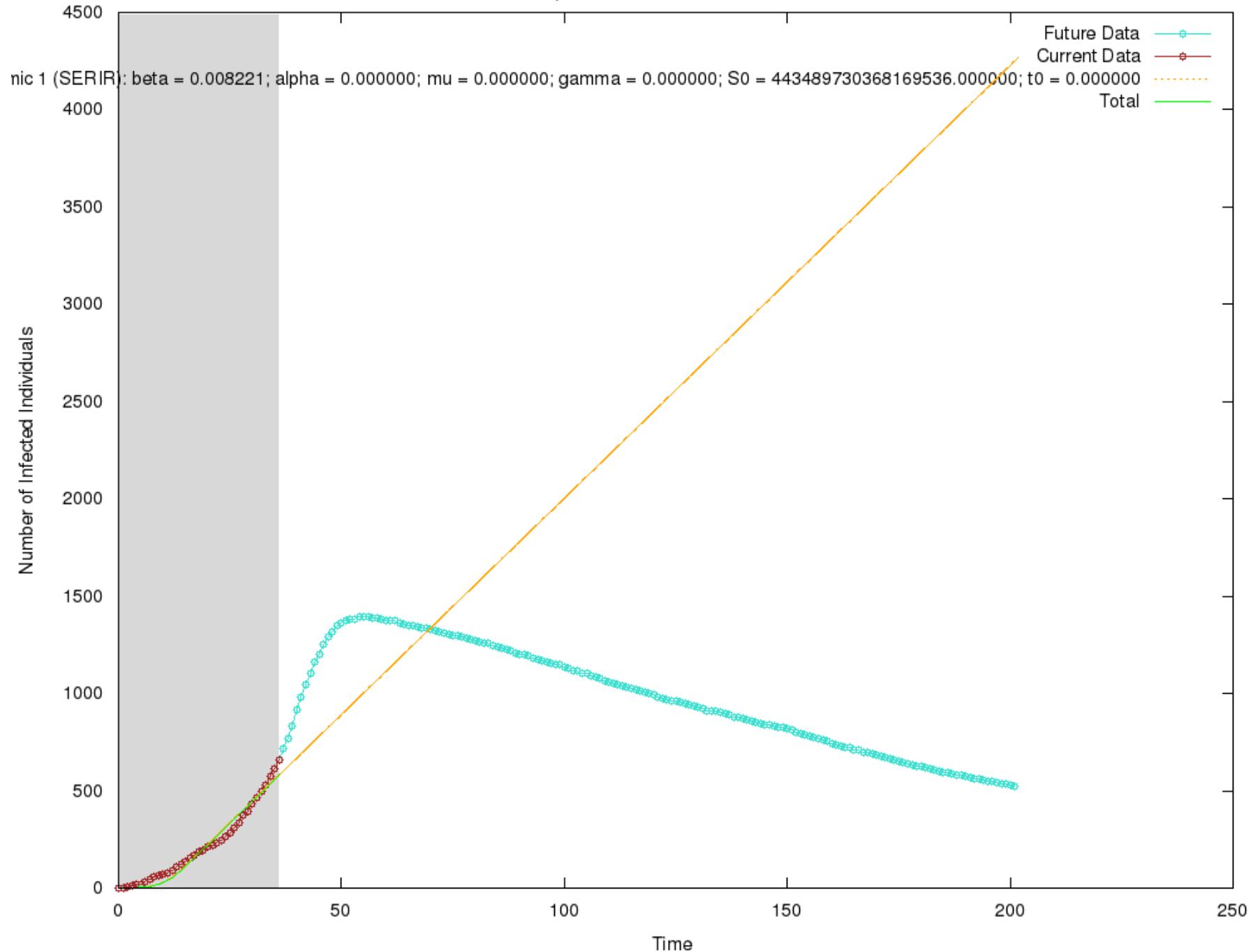
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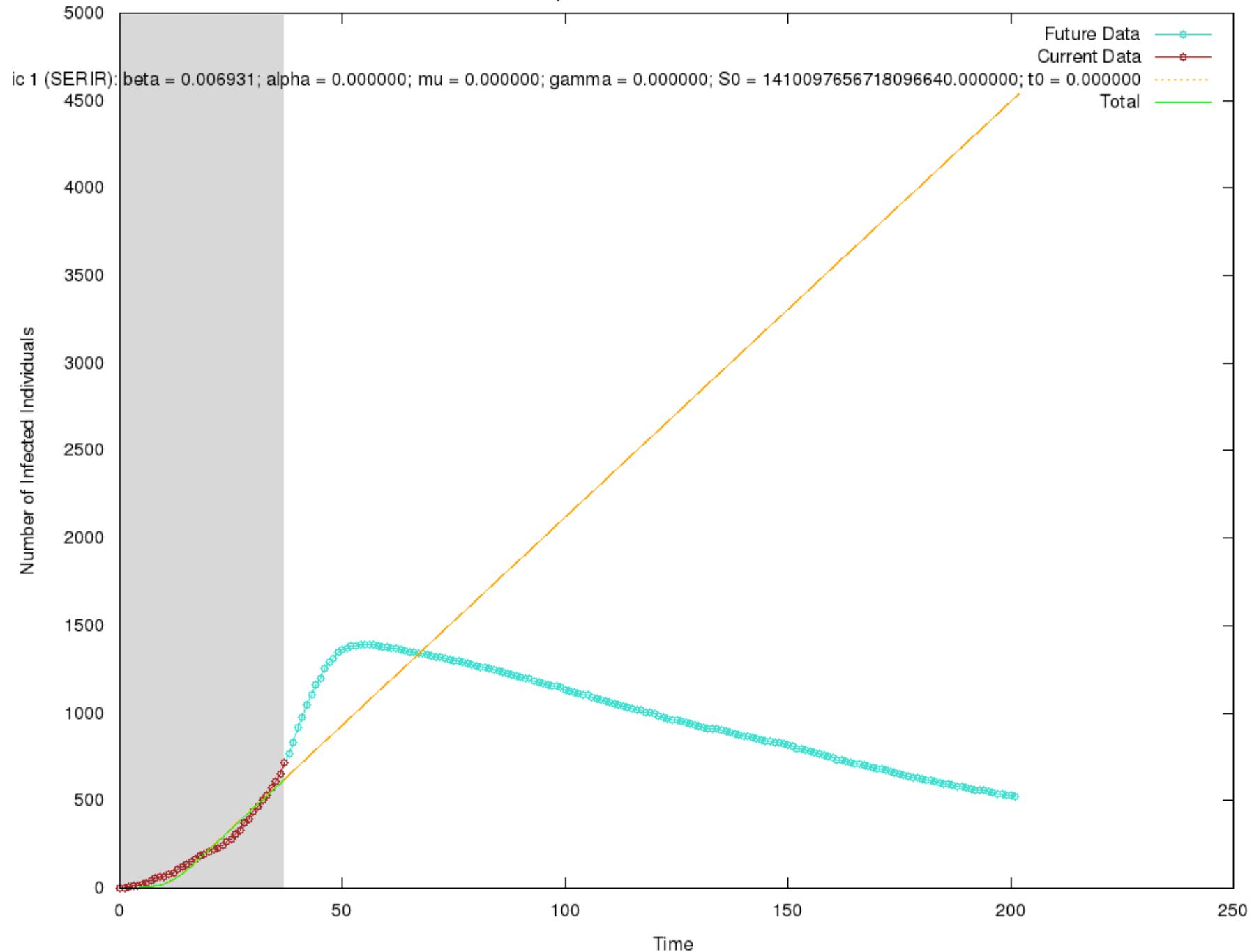
RSquare: 0.970605. Run number: 35



RSquare: 0.969377. Run number: 36



RSquare: 0.966852. Run number: 37



RSquare: 0.965207. Run number: 38

nic 1 (SERIR):

beta = 0.005868; alpha = 0.000000; mu = 0.000000; gamma = 0.000000; S0 = 173474783516228288.000000; t0 = 0.000000

4500

4000

3500

3000

2500

2000

1500

1000

500

Number of Infected Individuals

Future Data
Current Data
Total

0

50

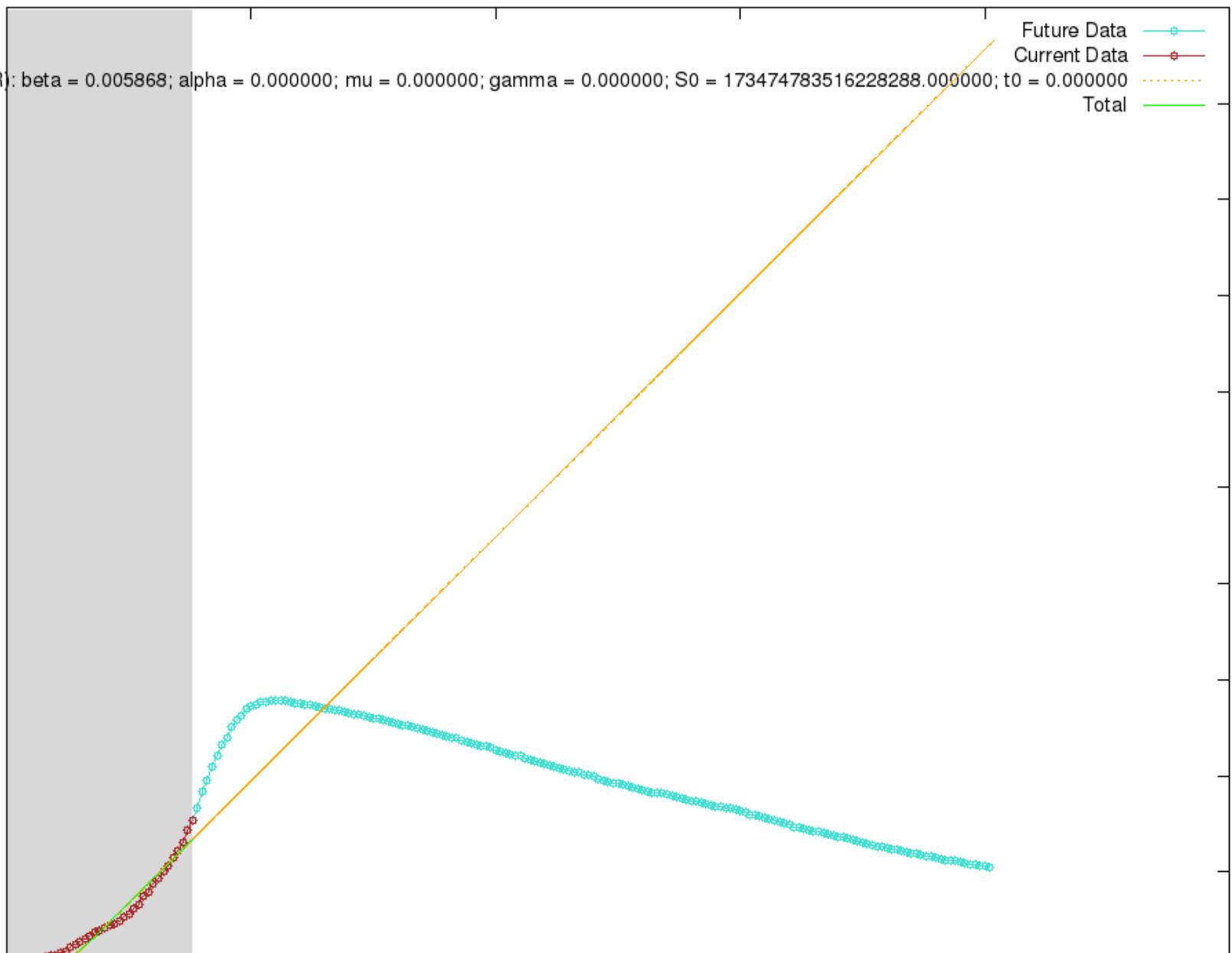
100

150

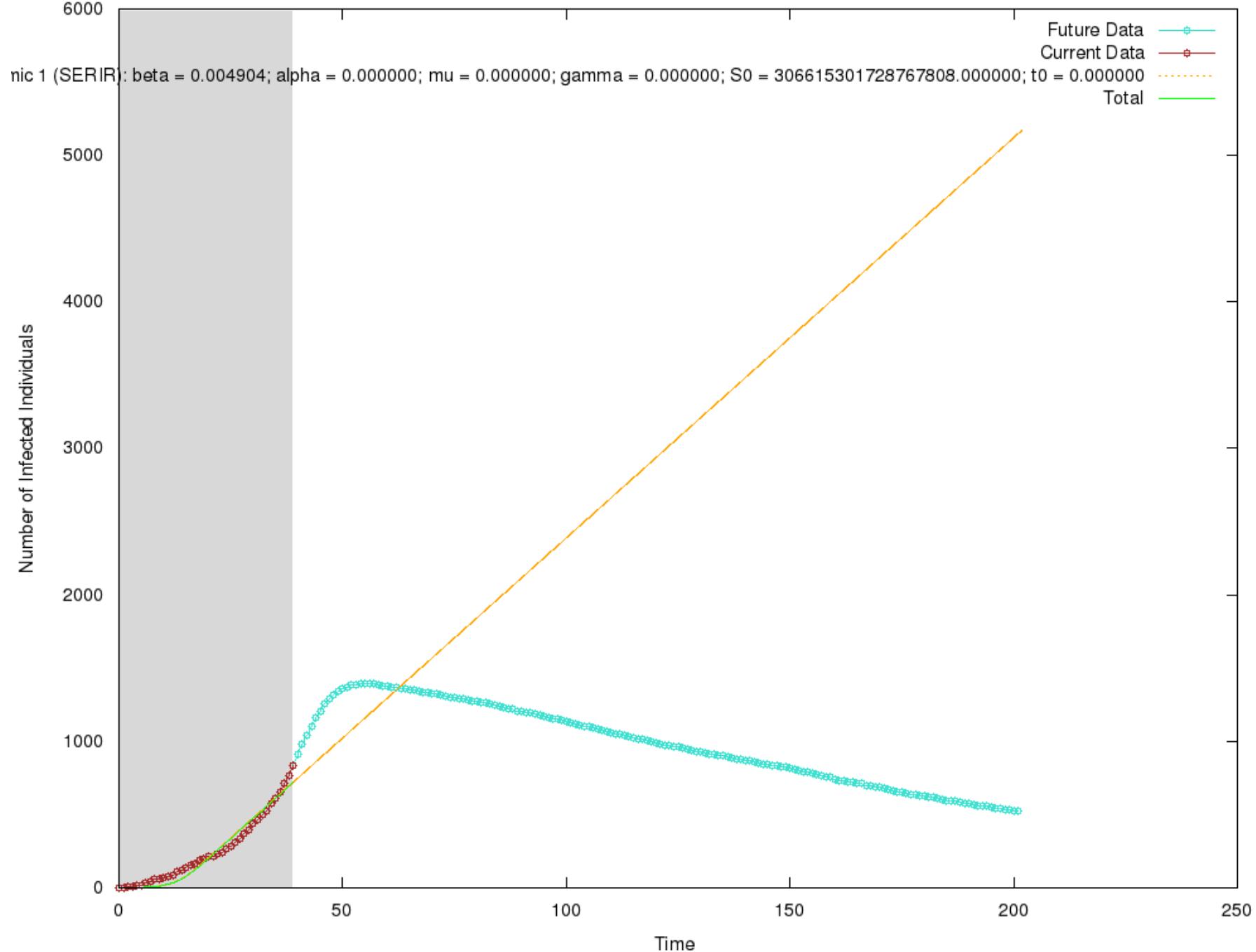
200

250

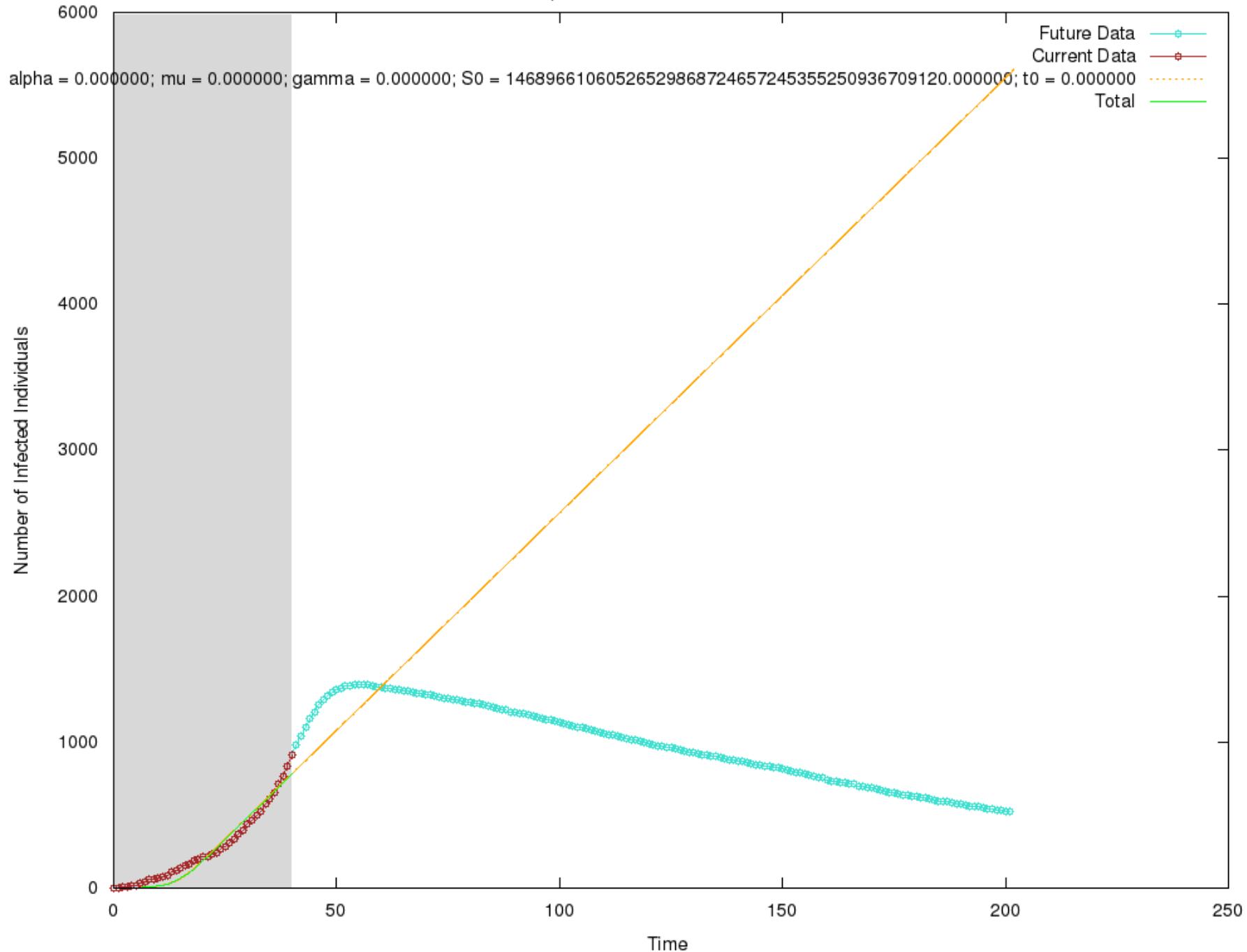
Time



RSquare: 0.963203. Run number: 39

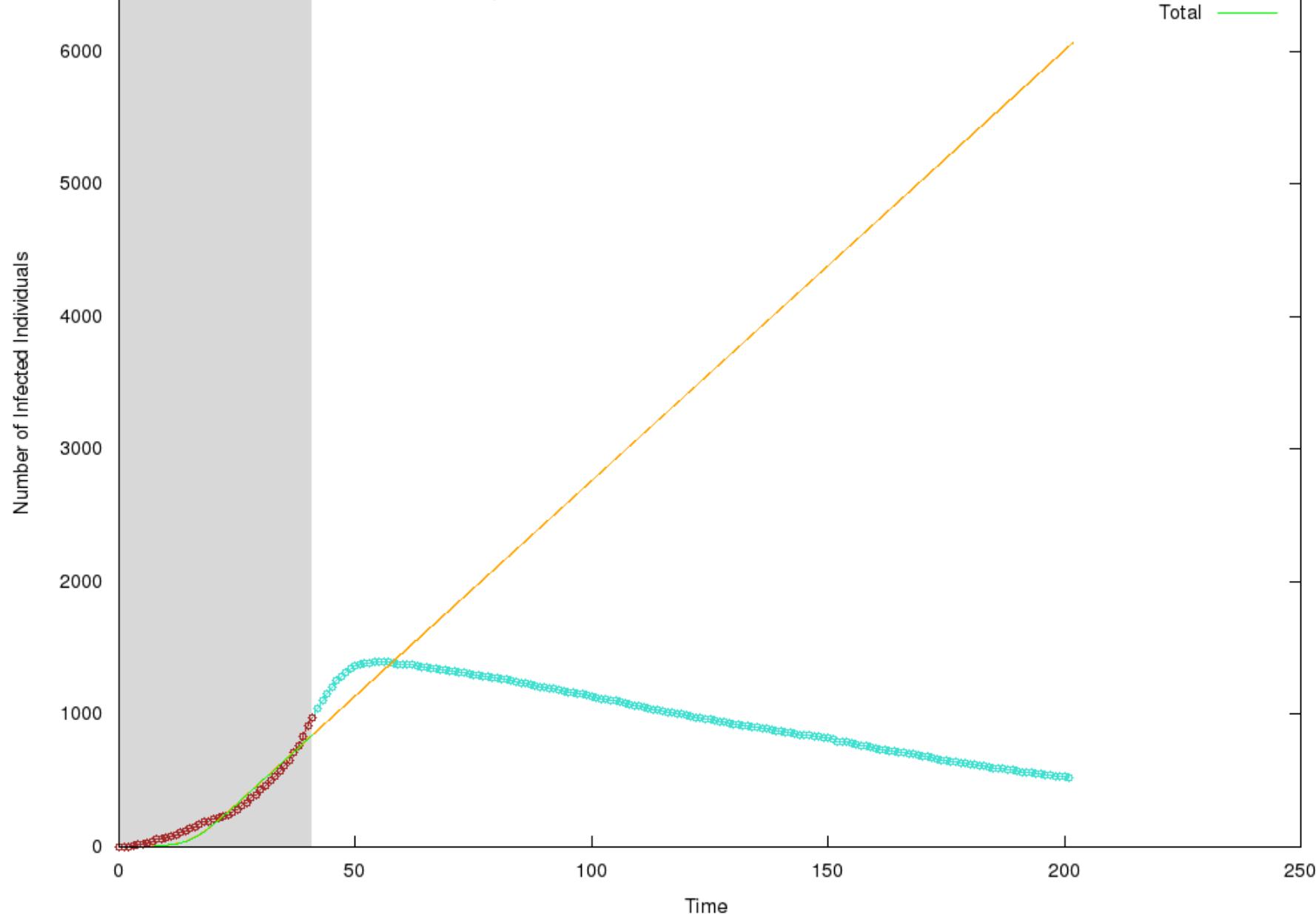


RSquare: 0.960286. Run number: 40

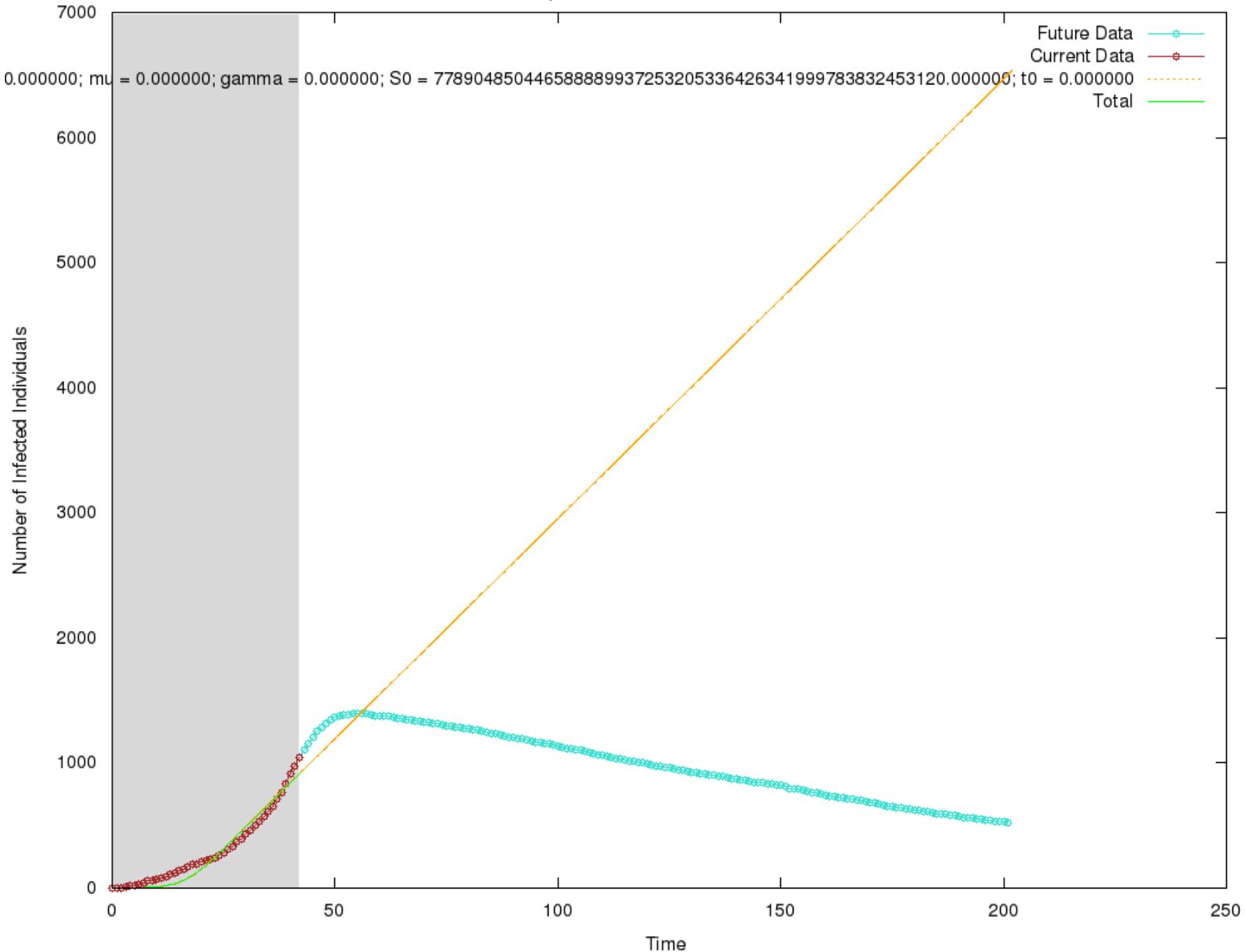


RSquare: 0.959088. Run number: 41

|R): beta = 0.003316; alpha = 0.000000; mu = 0.000000; gamma = 0.000000; S0 = 169418401154364363058970624.000000; t0 = 0.000000

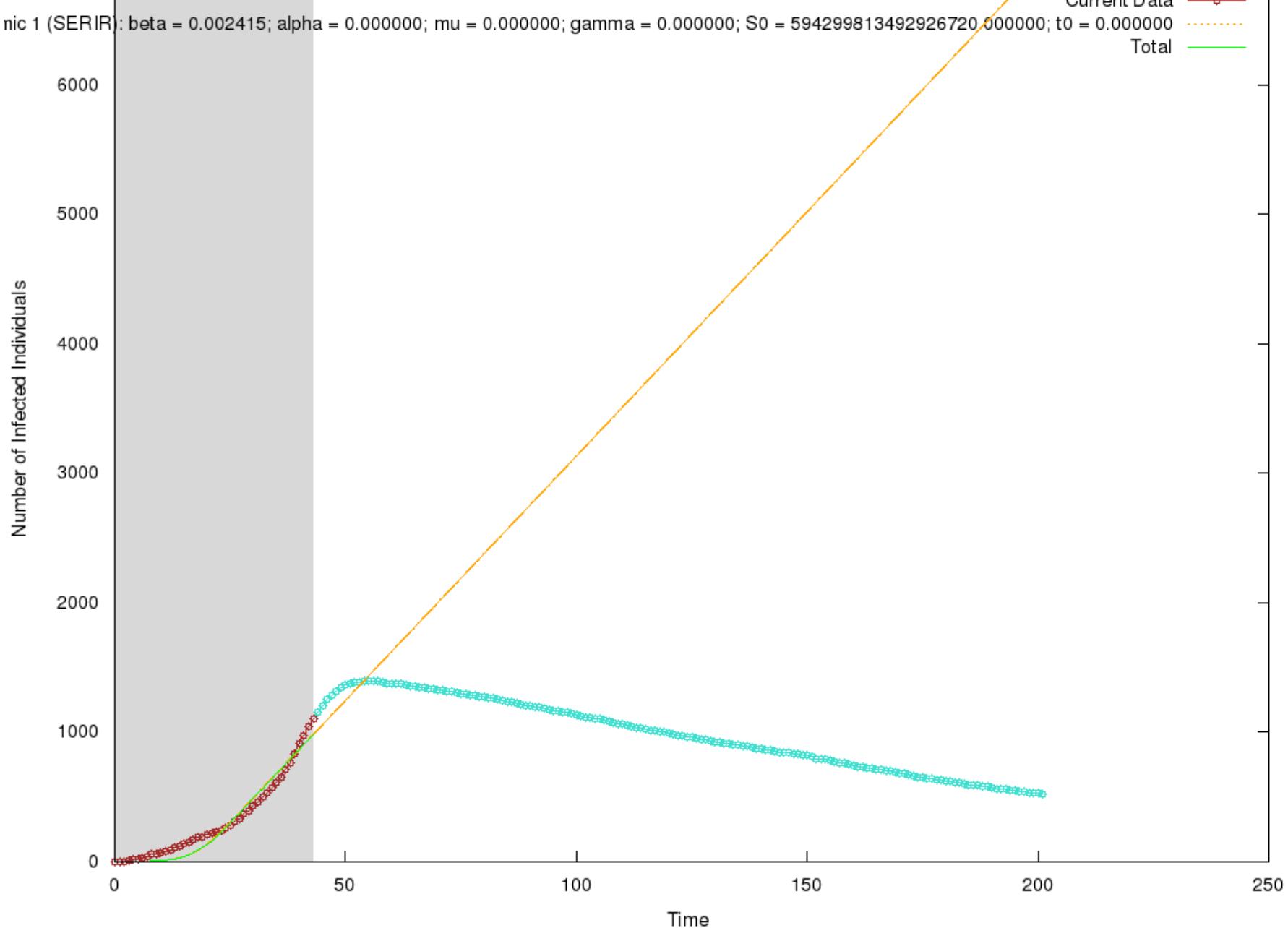


RSquare: 0.959173. Run number: 42

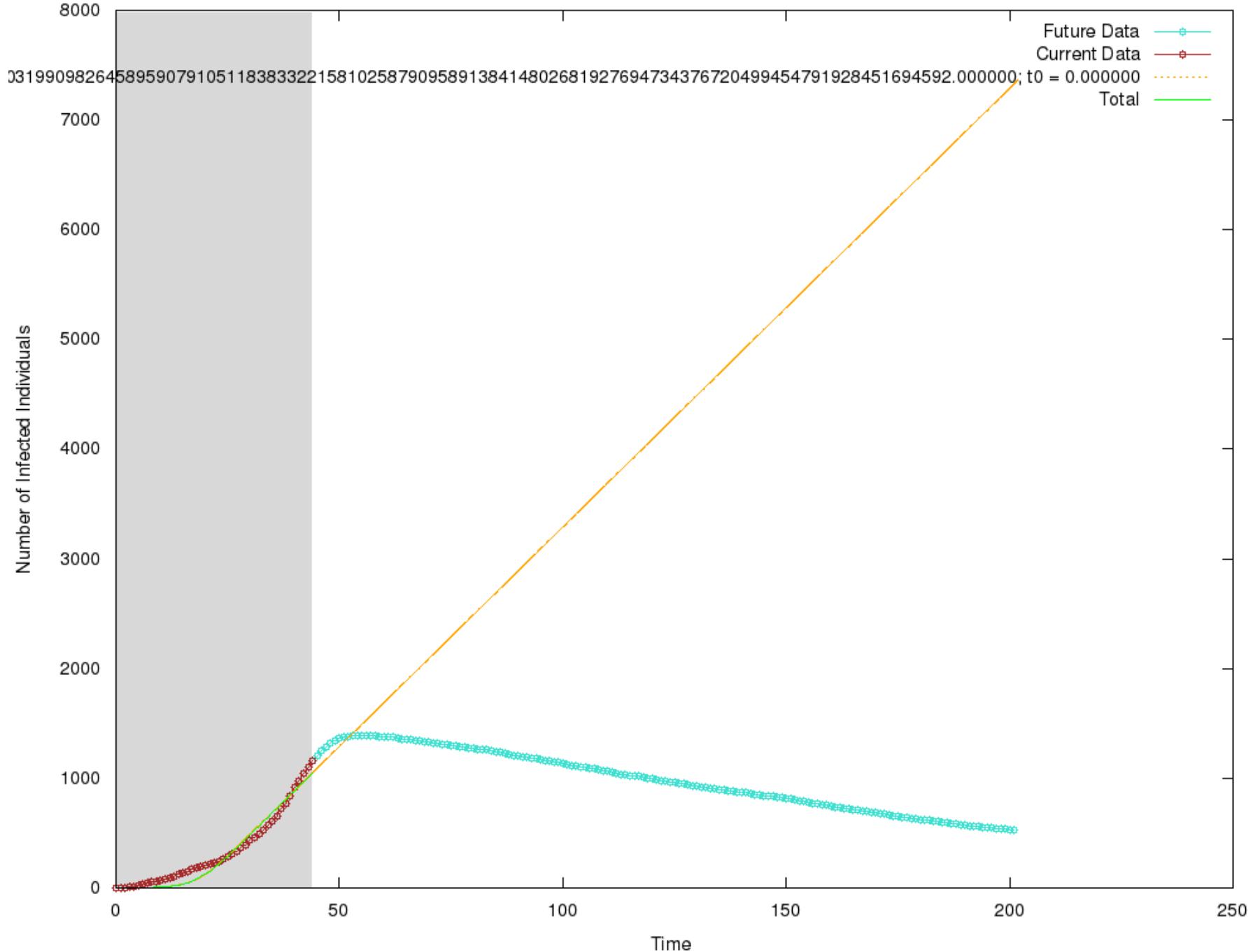


RSquare: 0.960465. Run number: 43

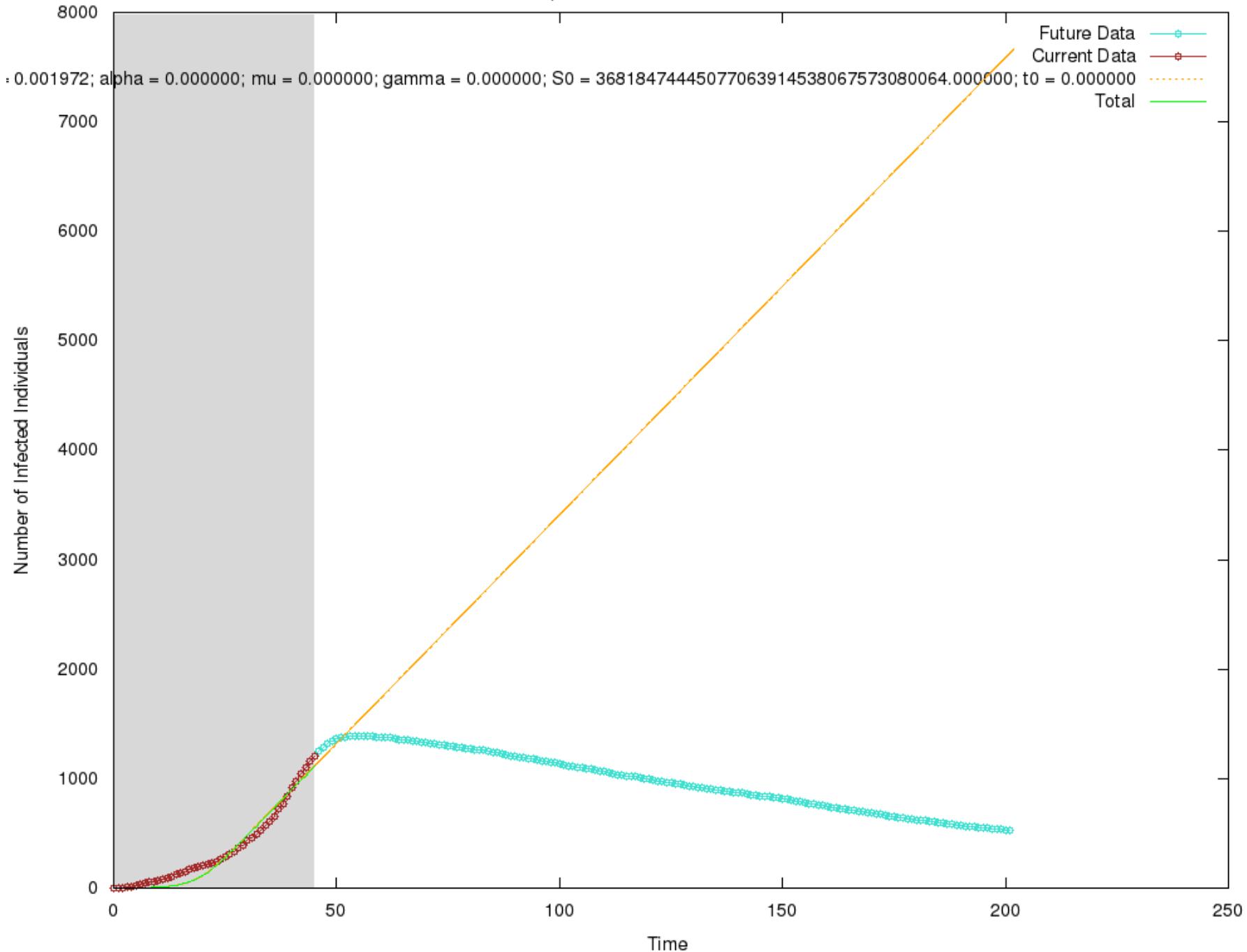
nic 1 (SERIR): beta = 0.002415; alpha = 0.000000; mu = 0.000000; gamma = 0.000000; S0 = 594299813492926720.000000; t0 = 0.000000



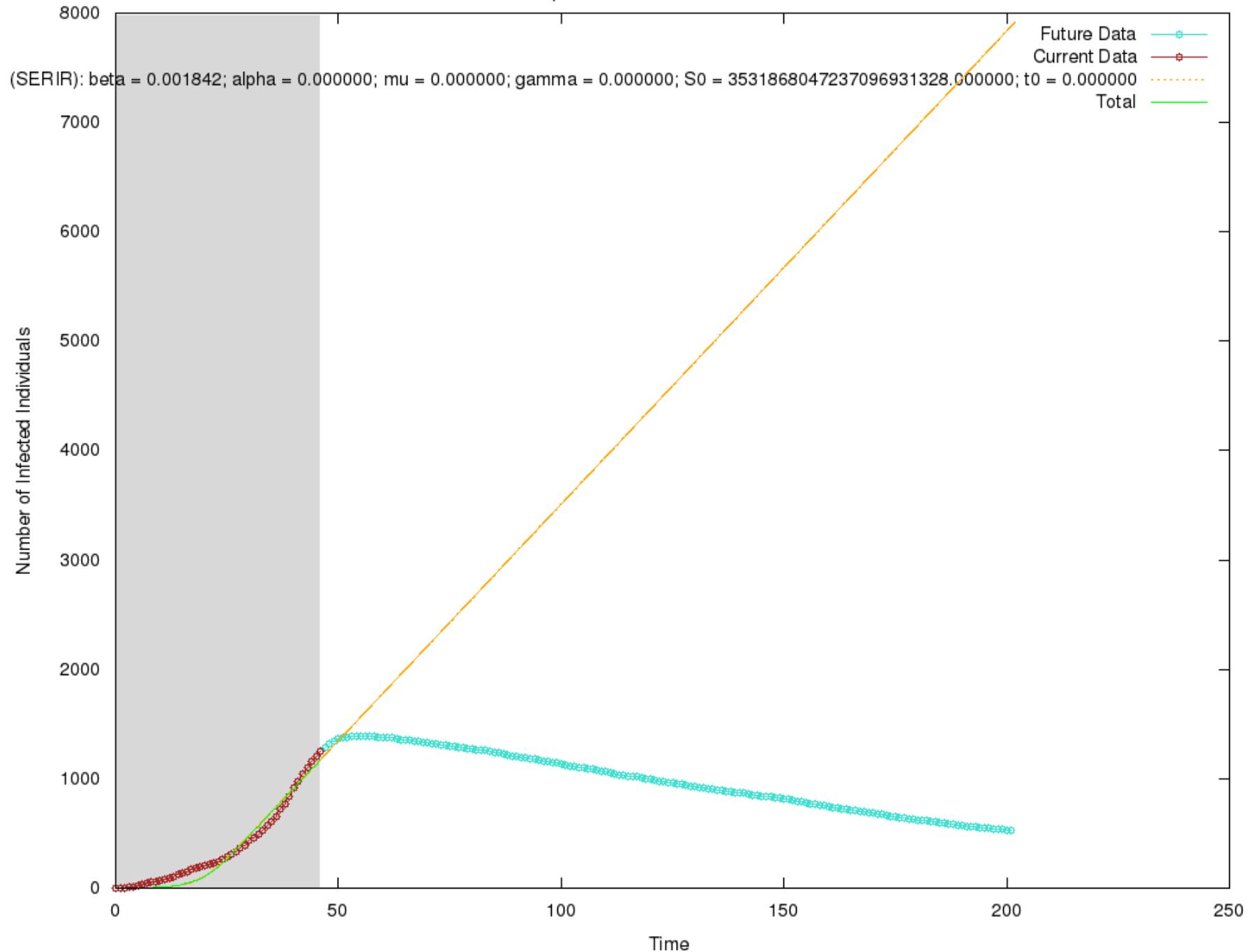
RSquare: 0.962639. Run number: 44



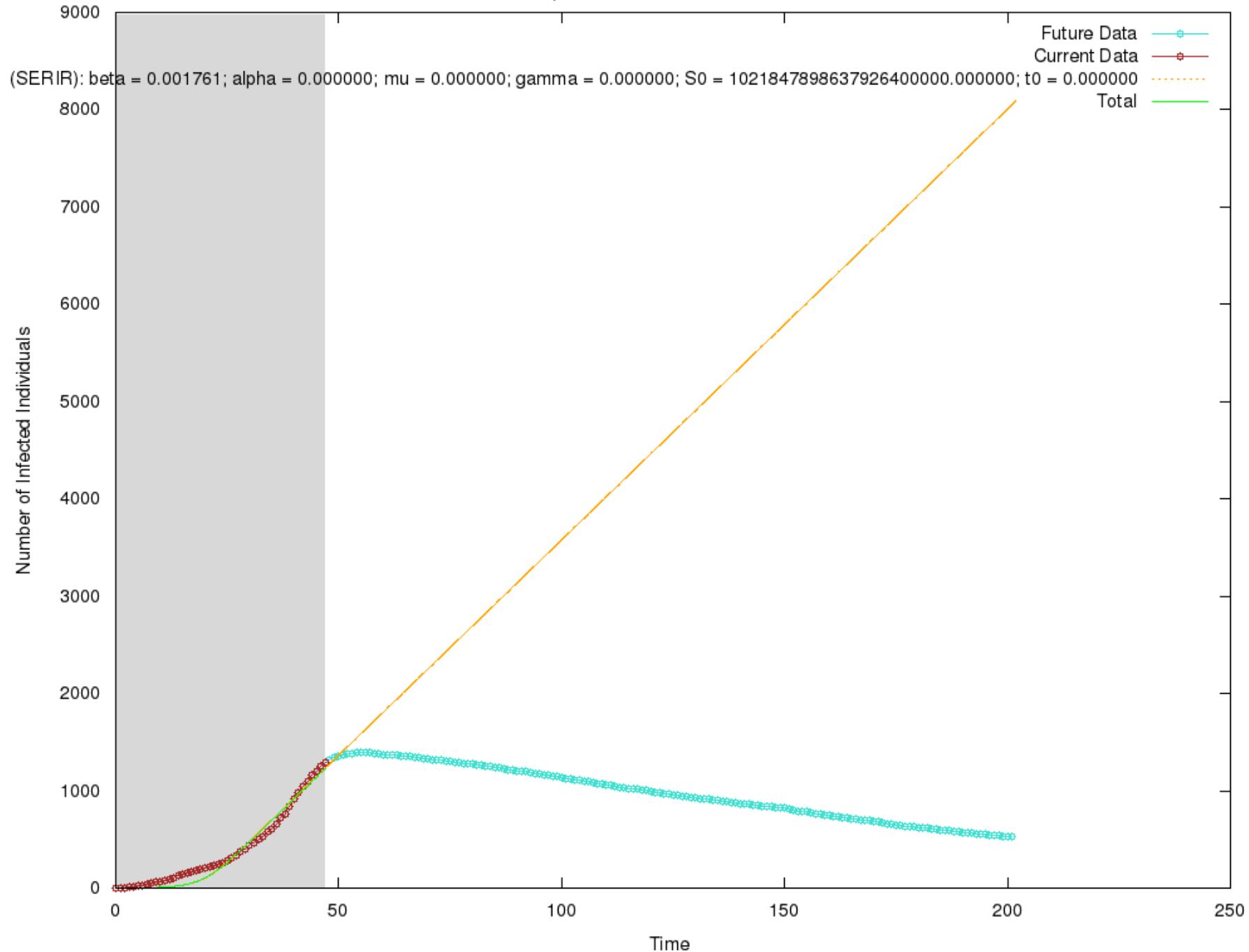
RSquare: 0.965518. Run number: 45



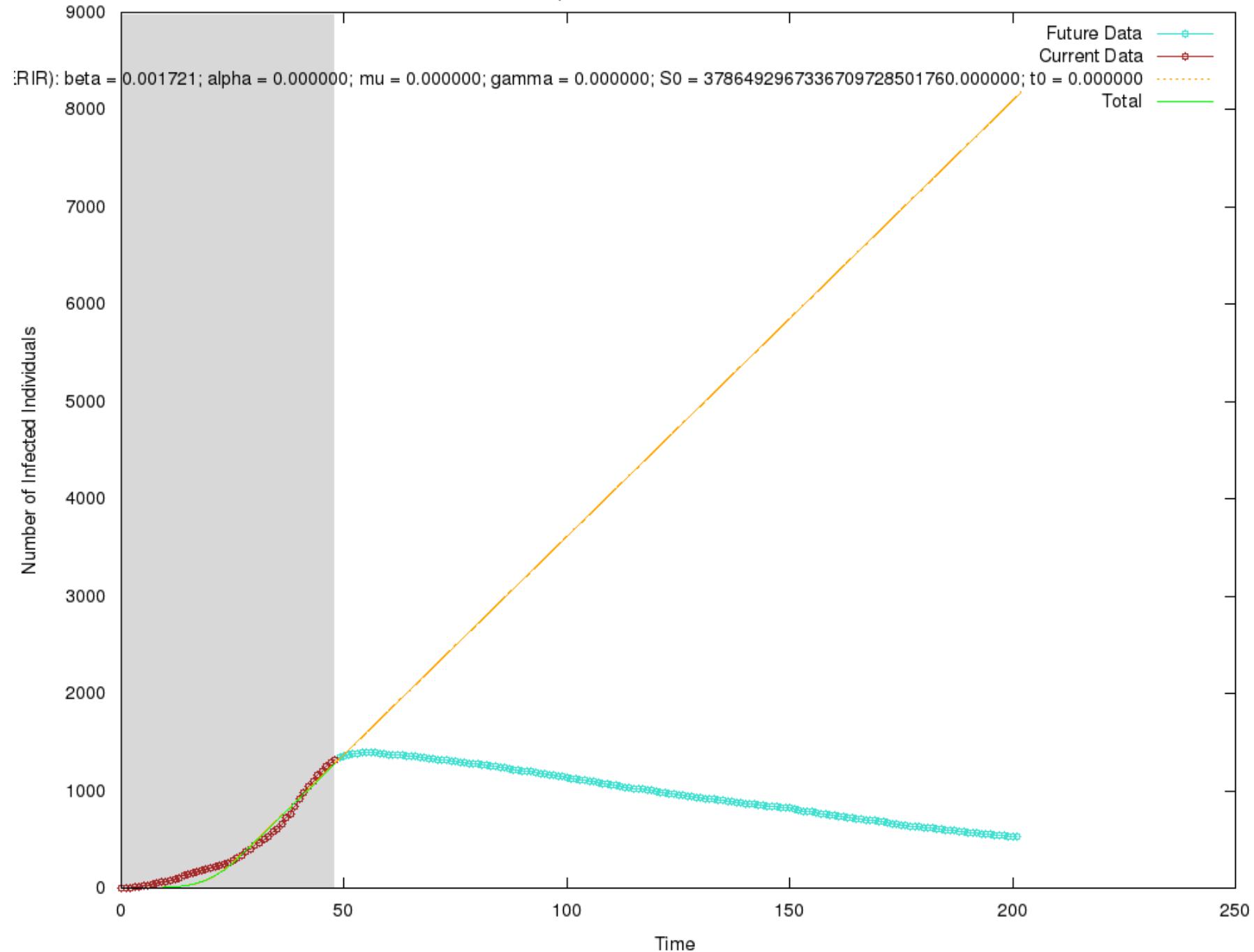
RSquare: 0.968379. Run number: 46



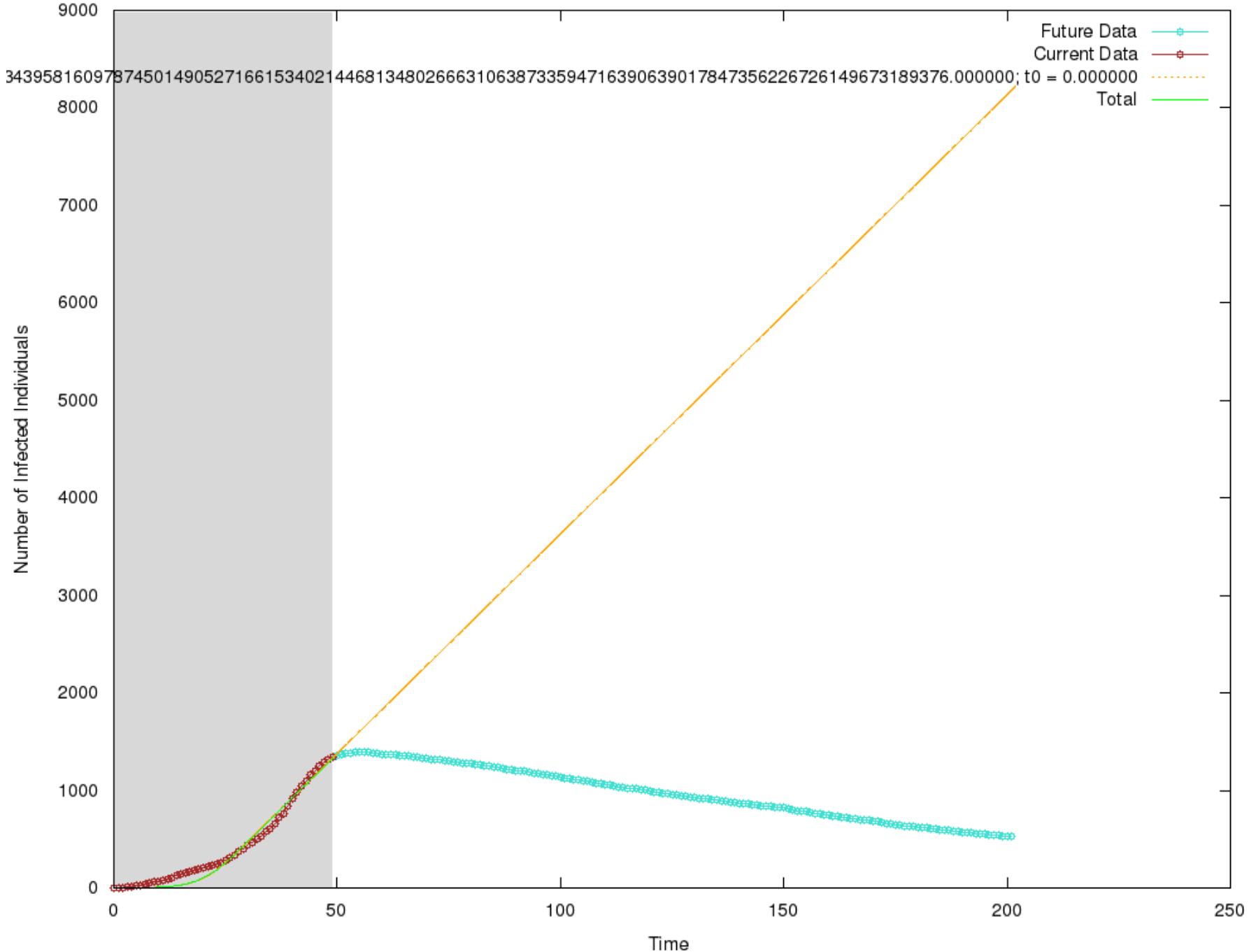
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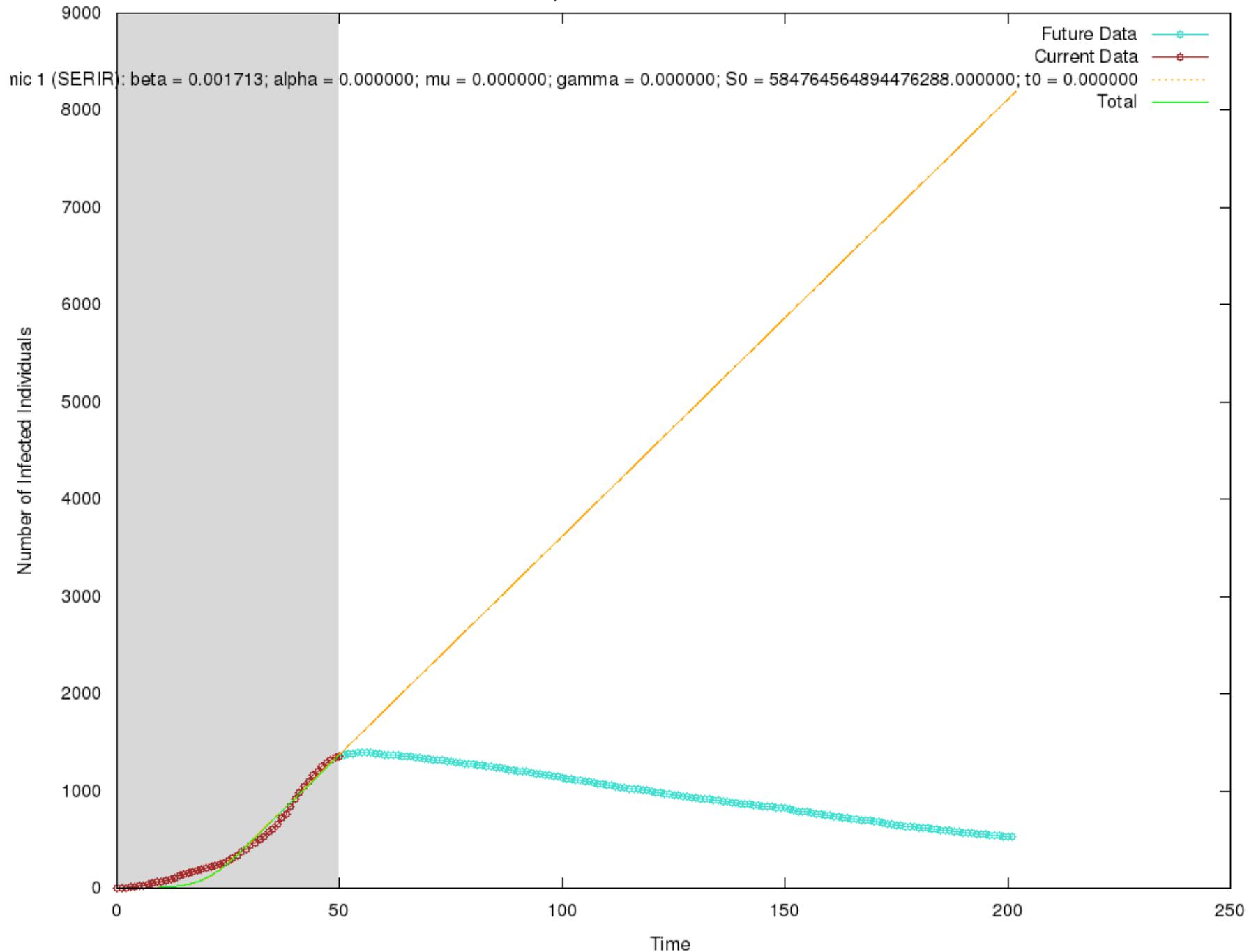
RSquare: 0.974018. Run number: 48



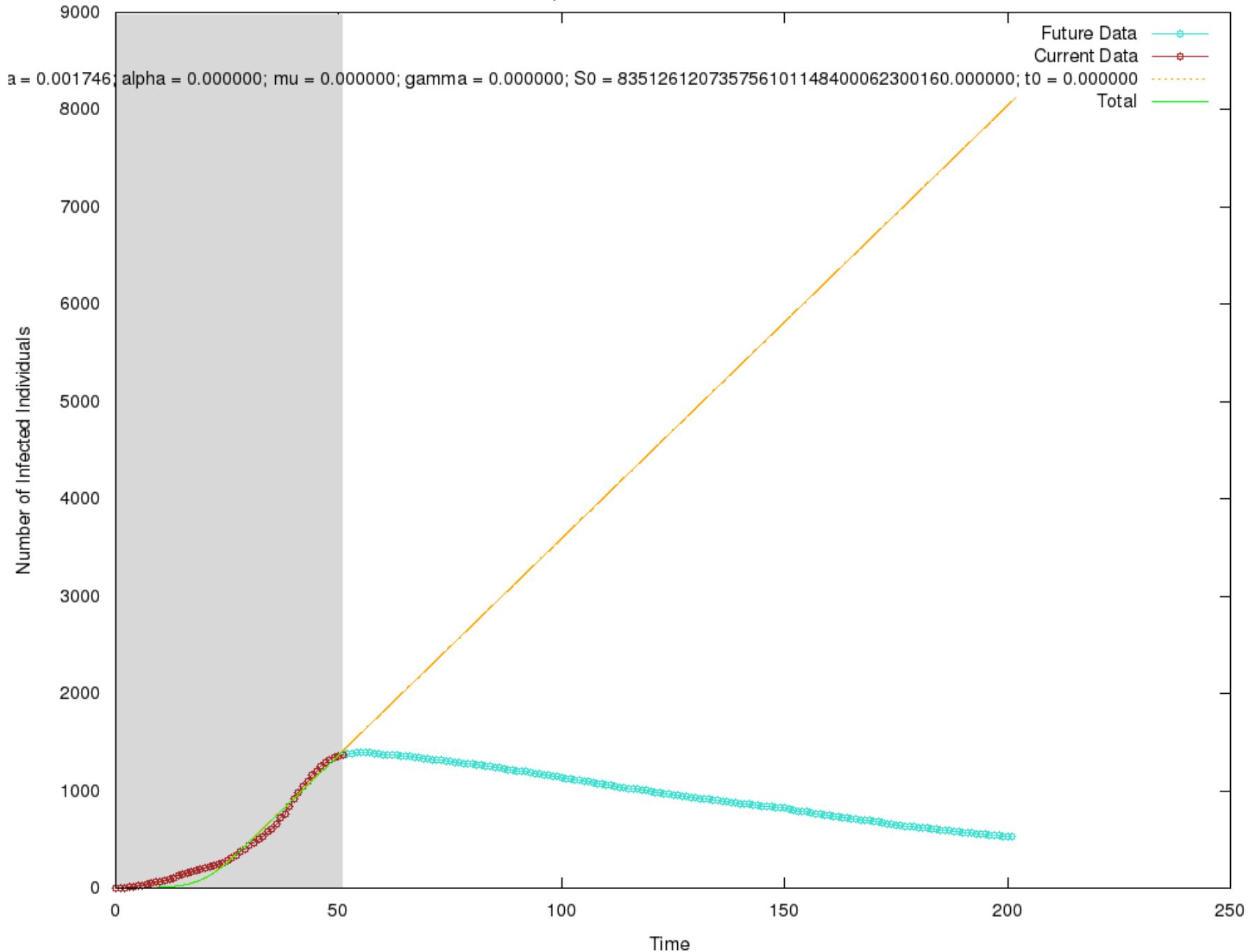
RSquare: 0.976438. Run number: 49



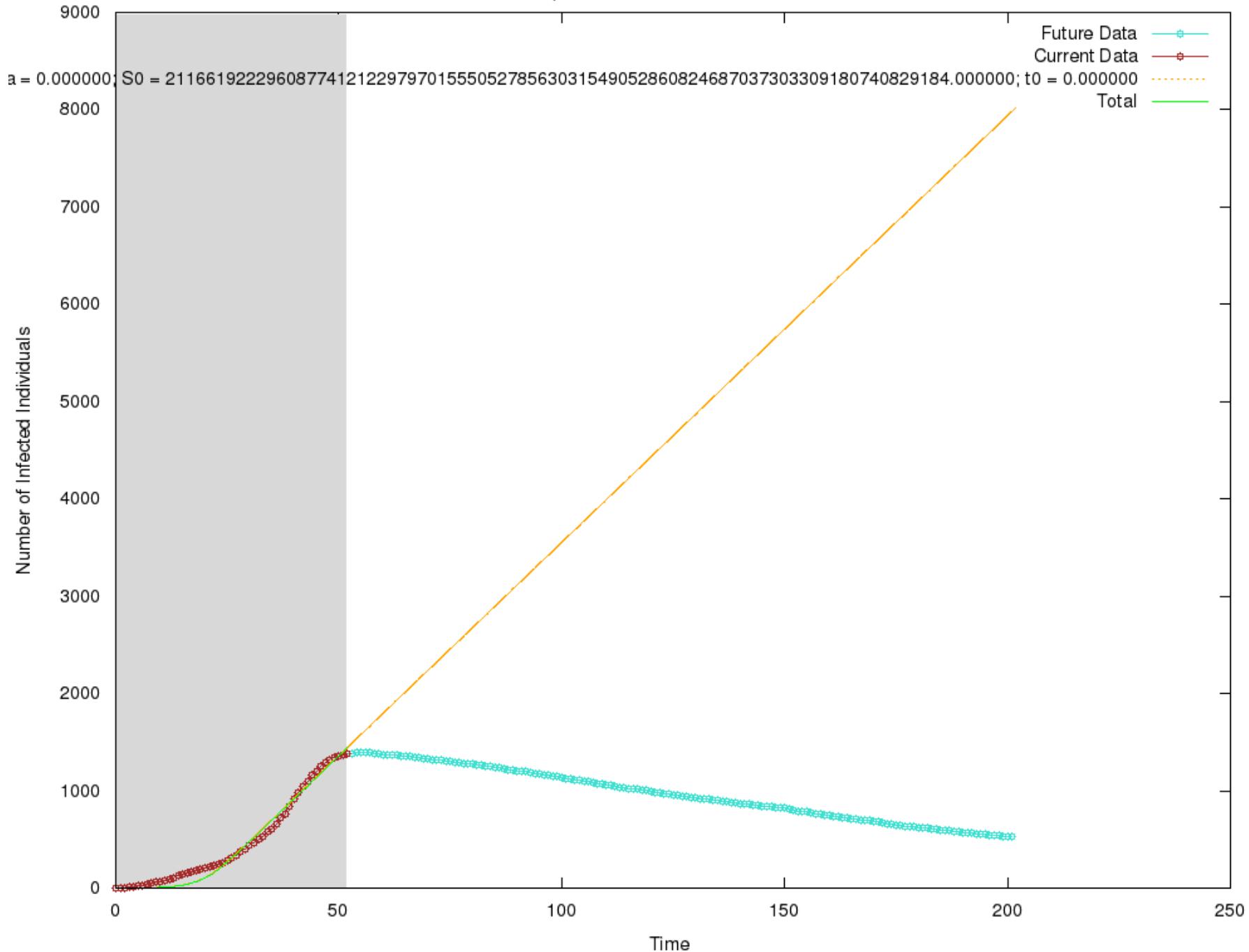
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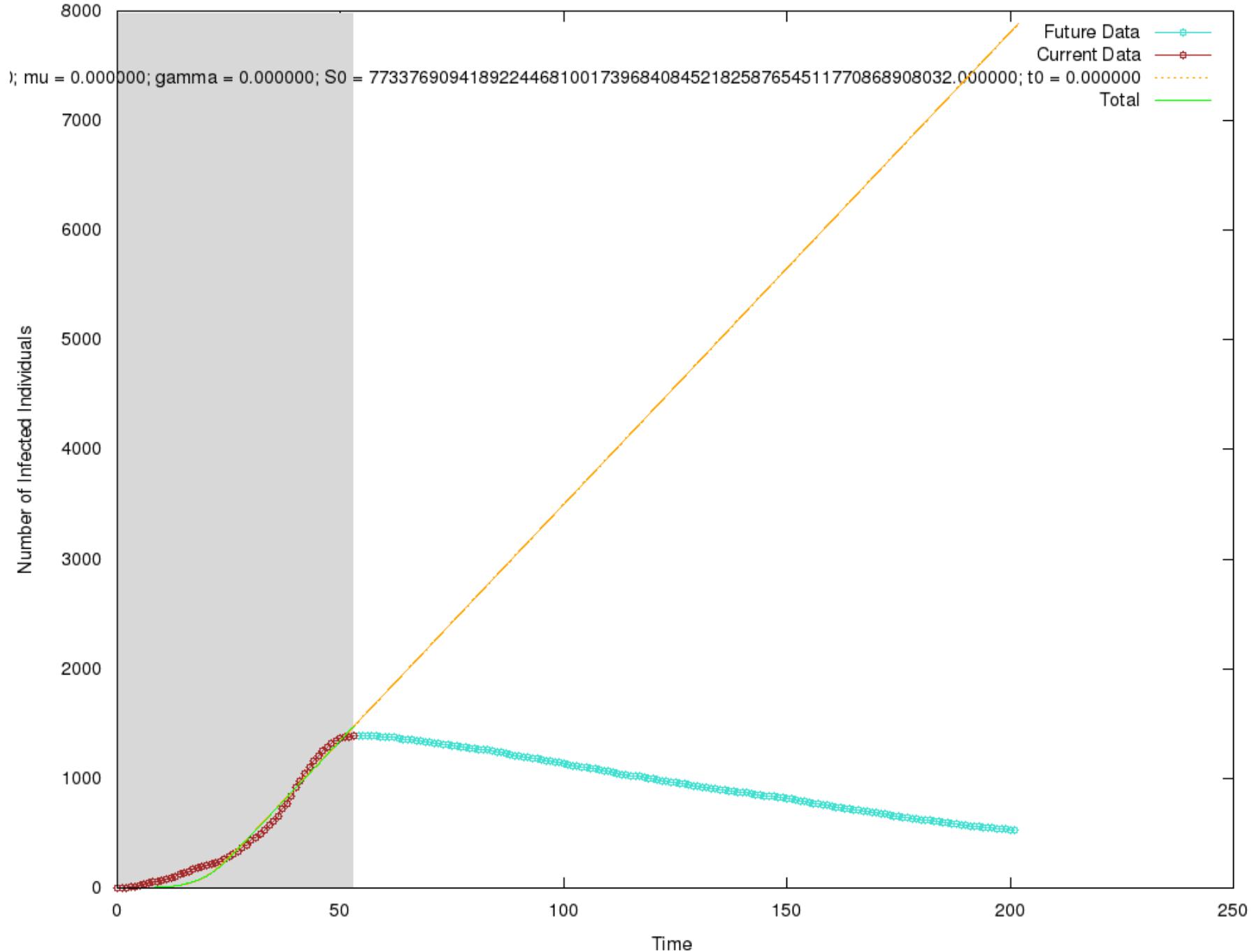
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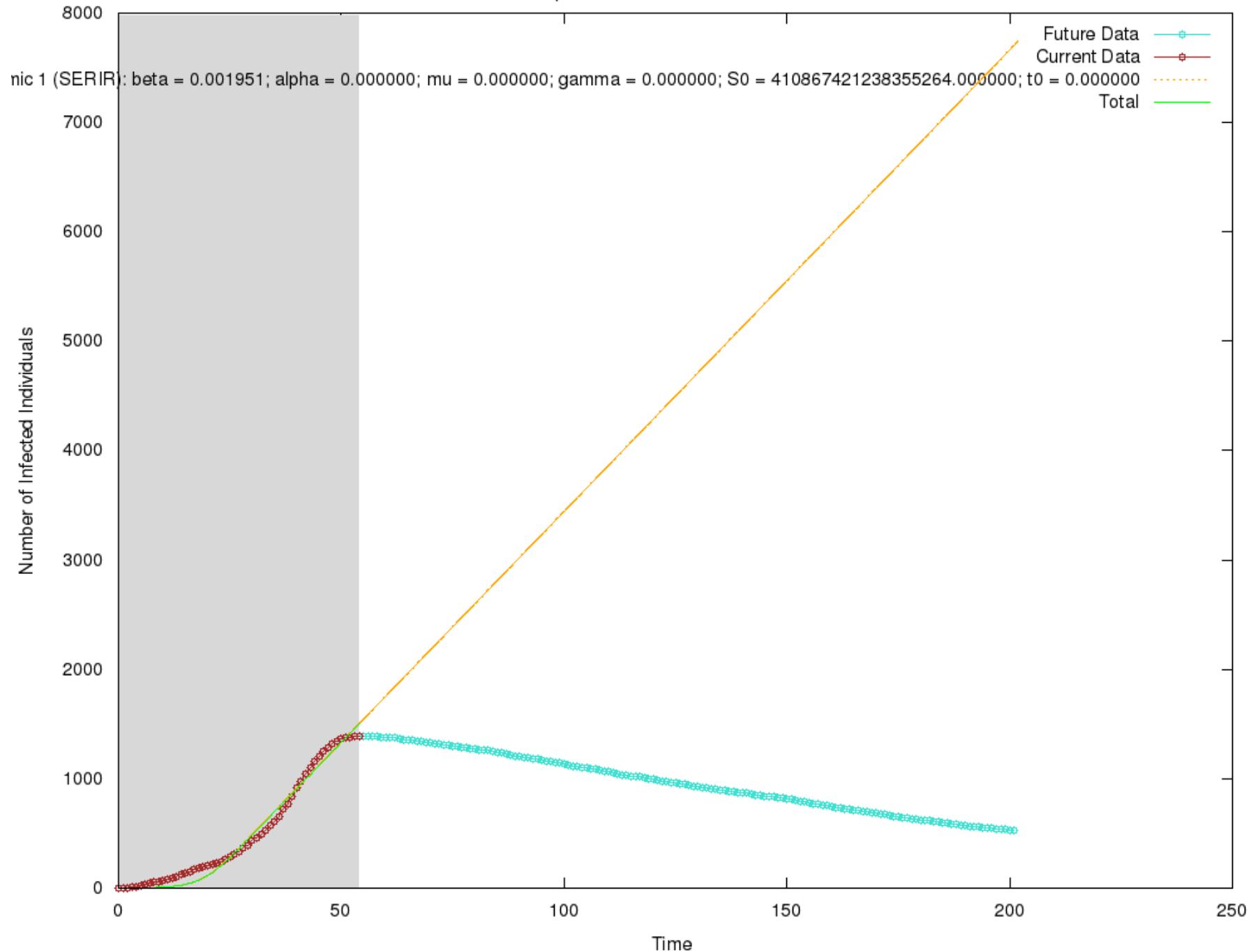
RSquare: 0.980994. Run number: 52



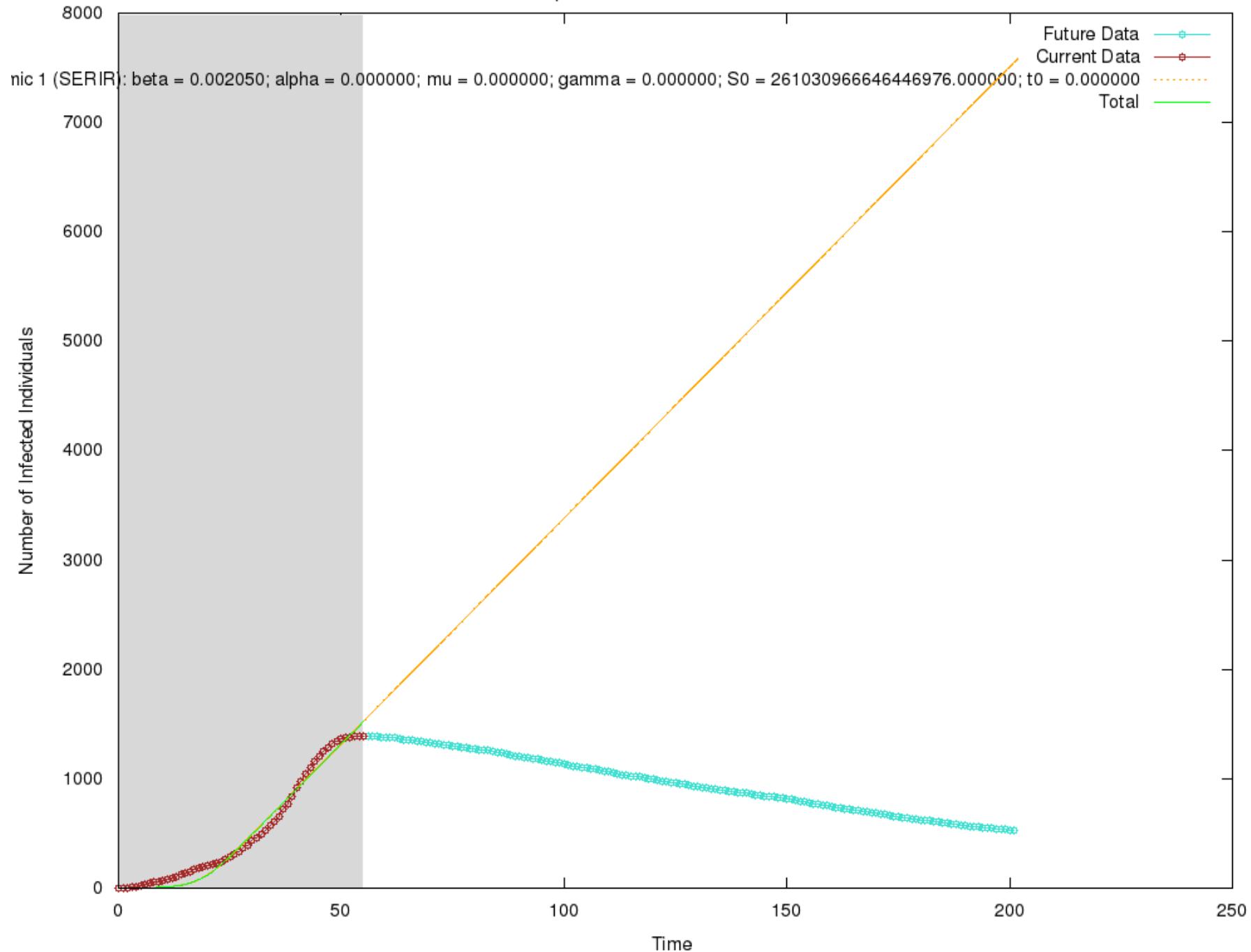
RSquare: 0.981453. Run number: 53



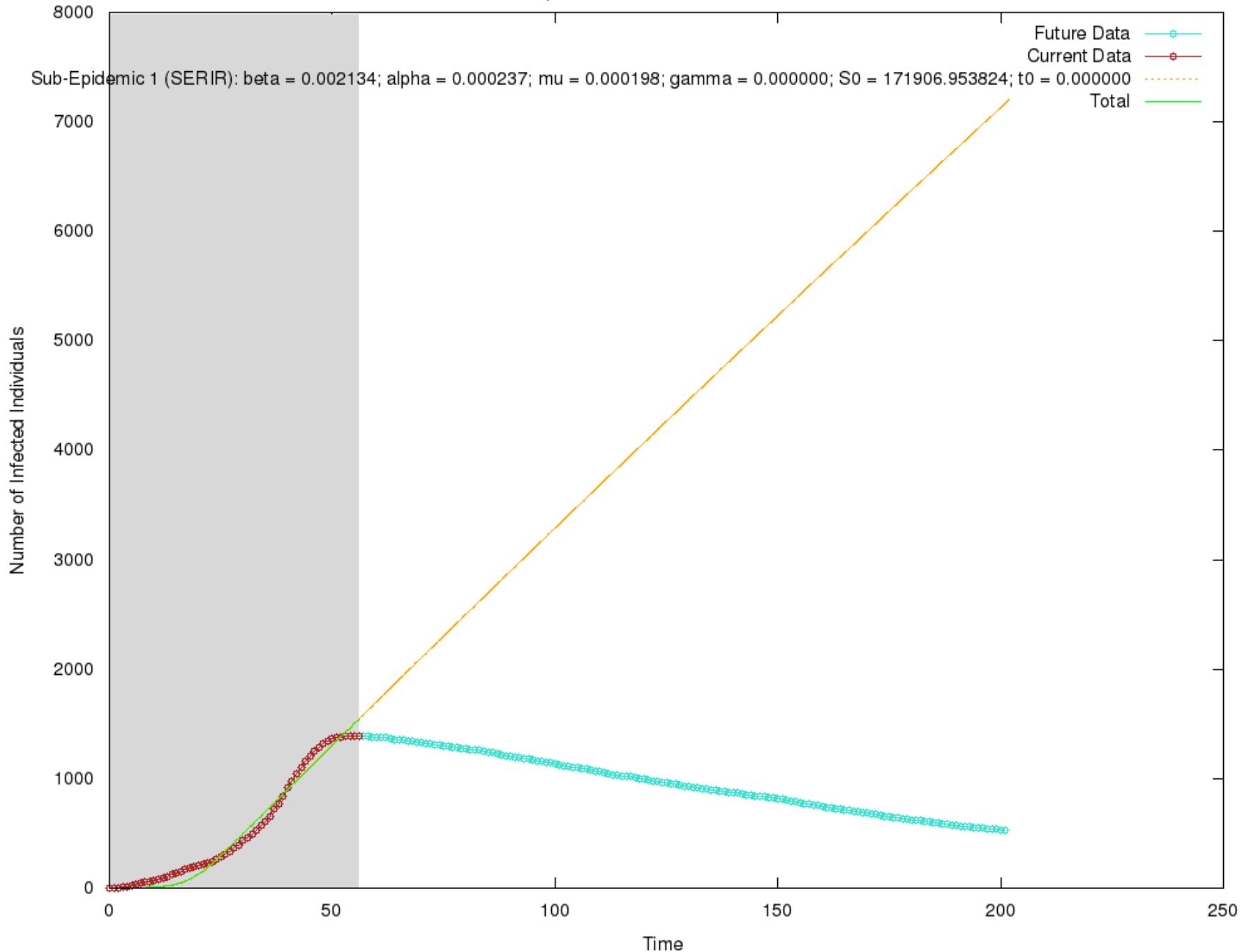
RSquare: 0.981515. Run number: 54



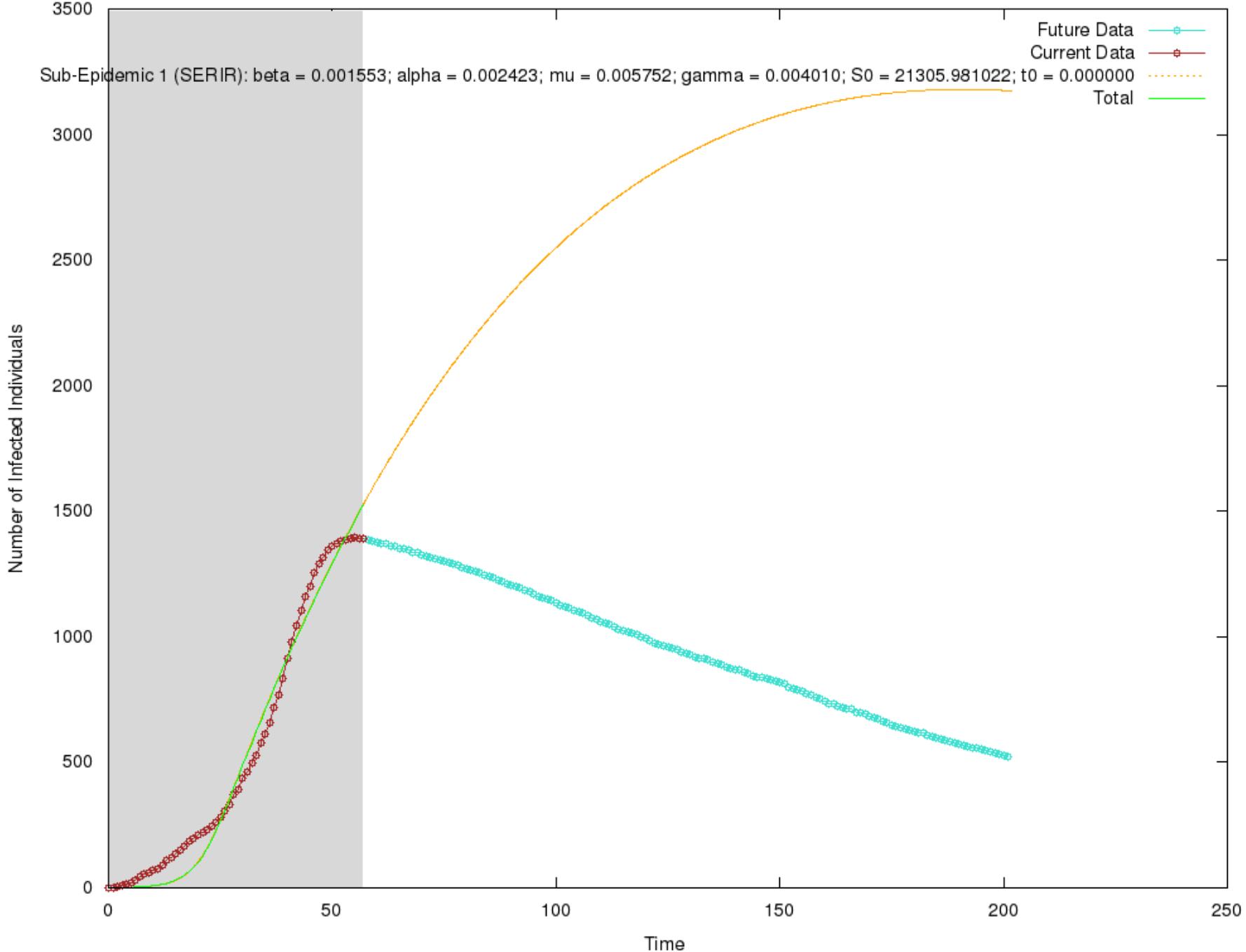
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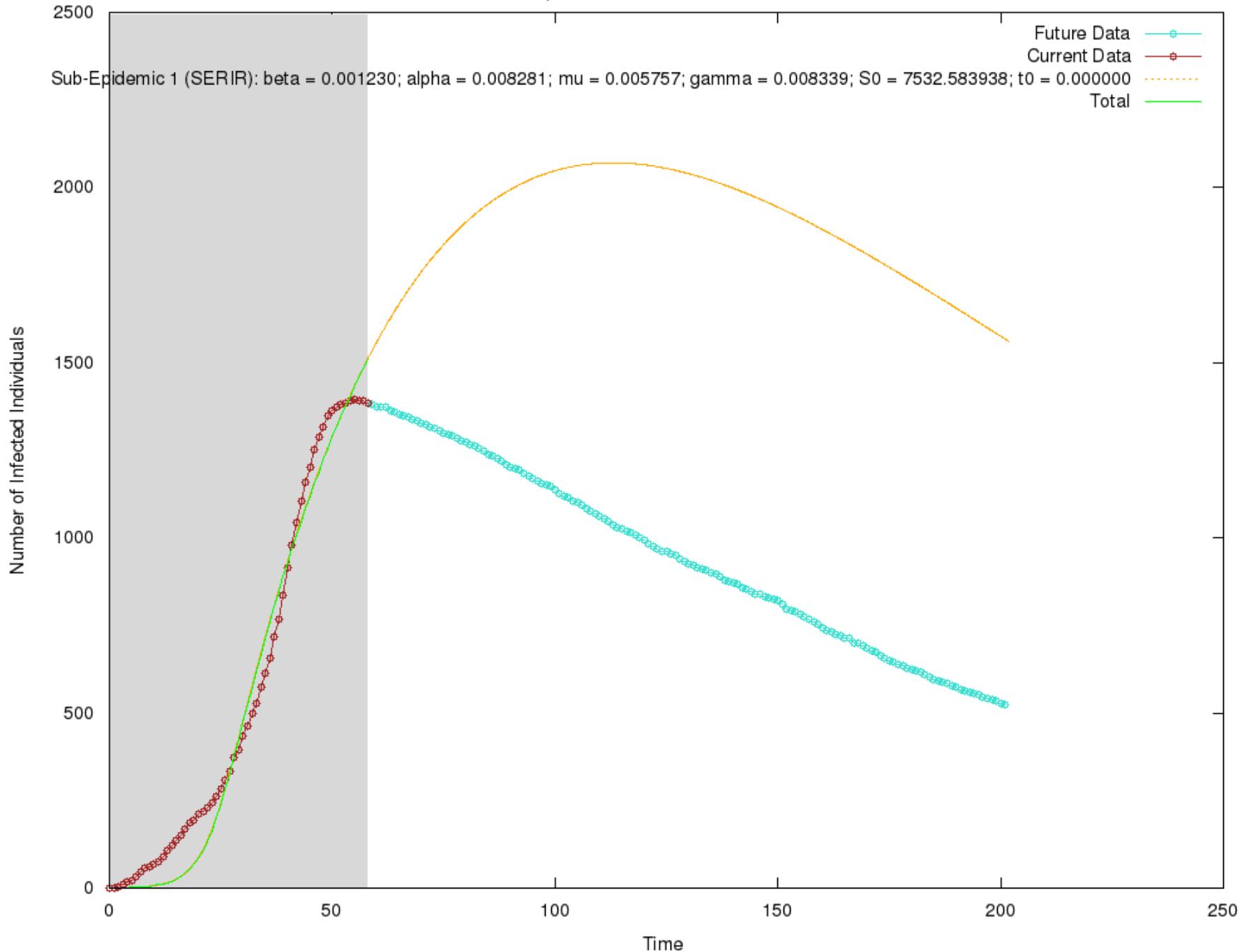
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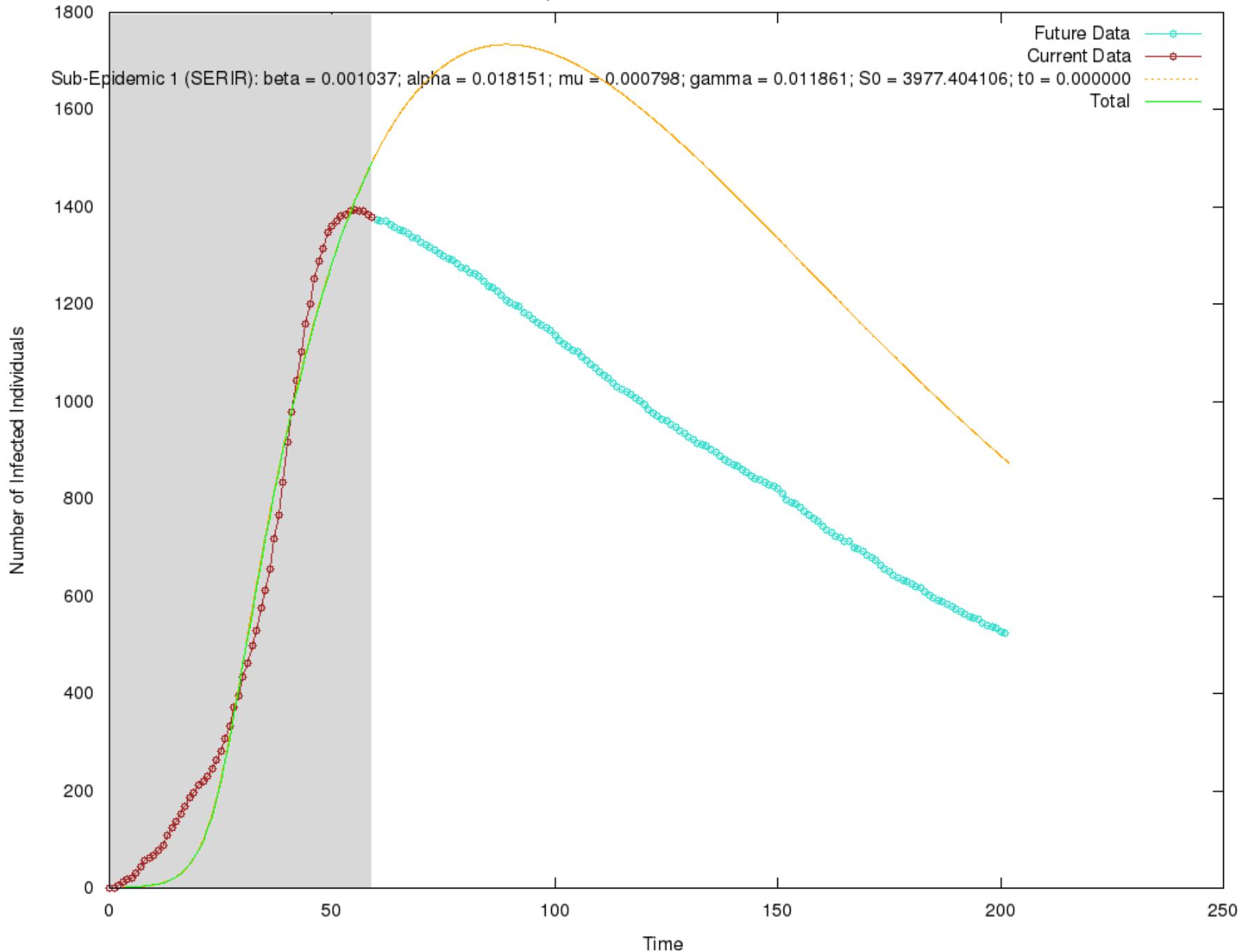
RSquare: 0.979391. Run number: 57



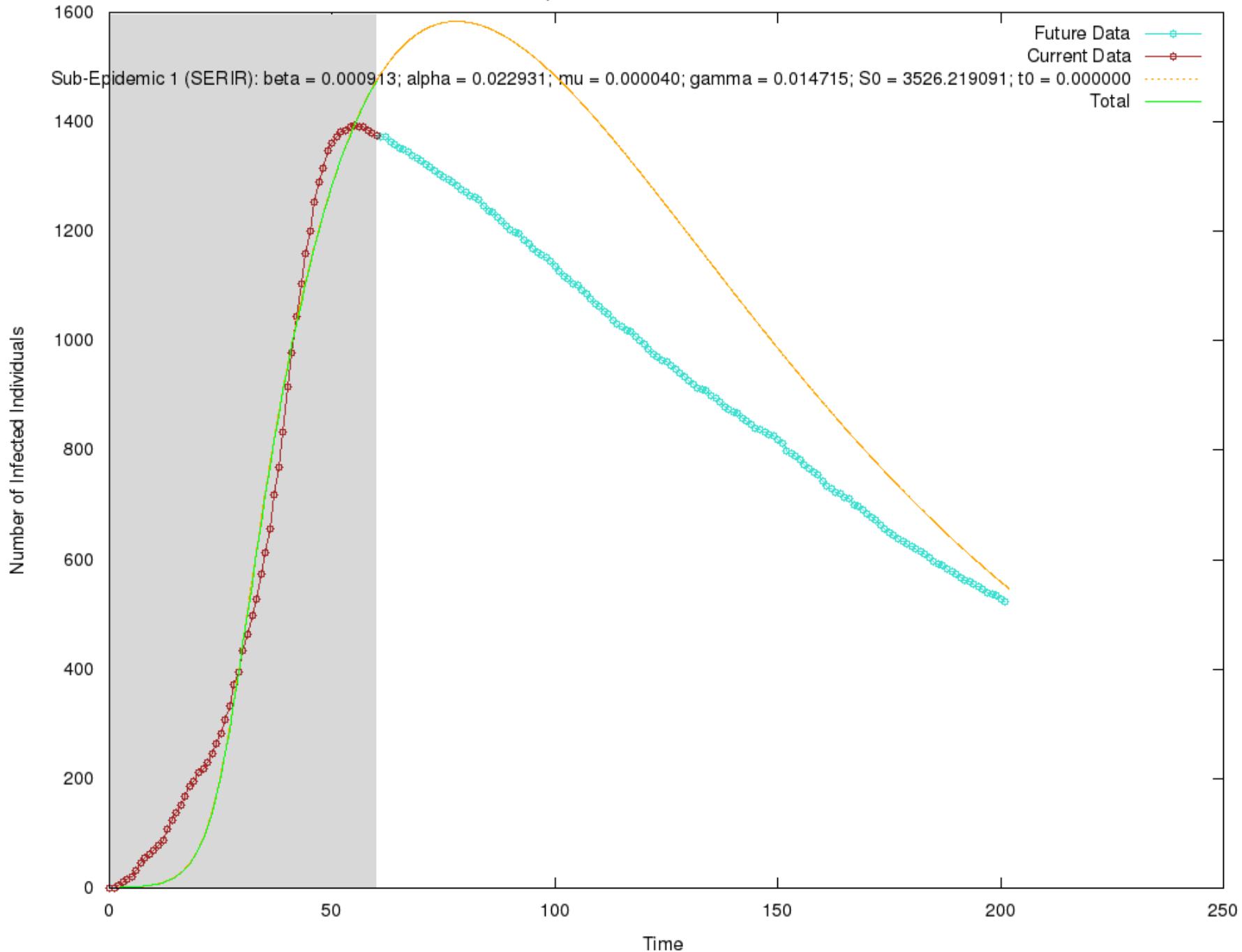
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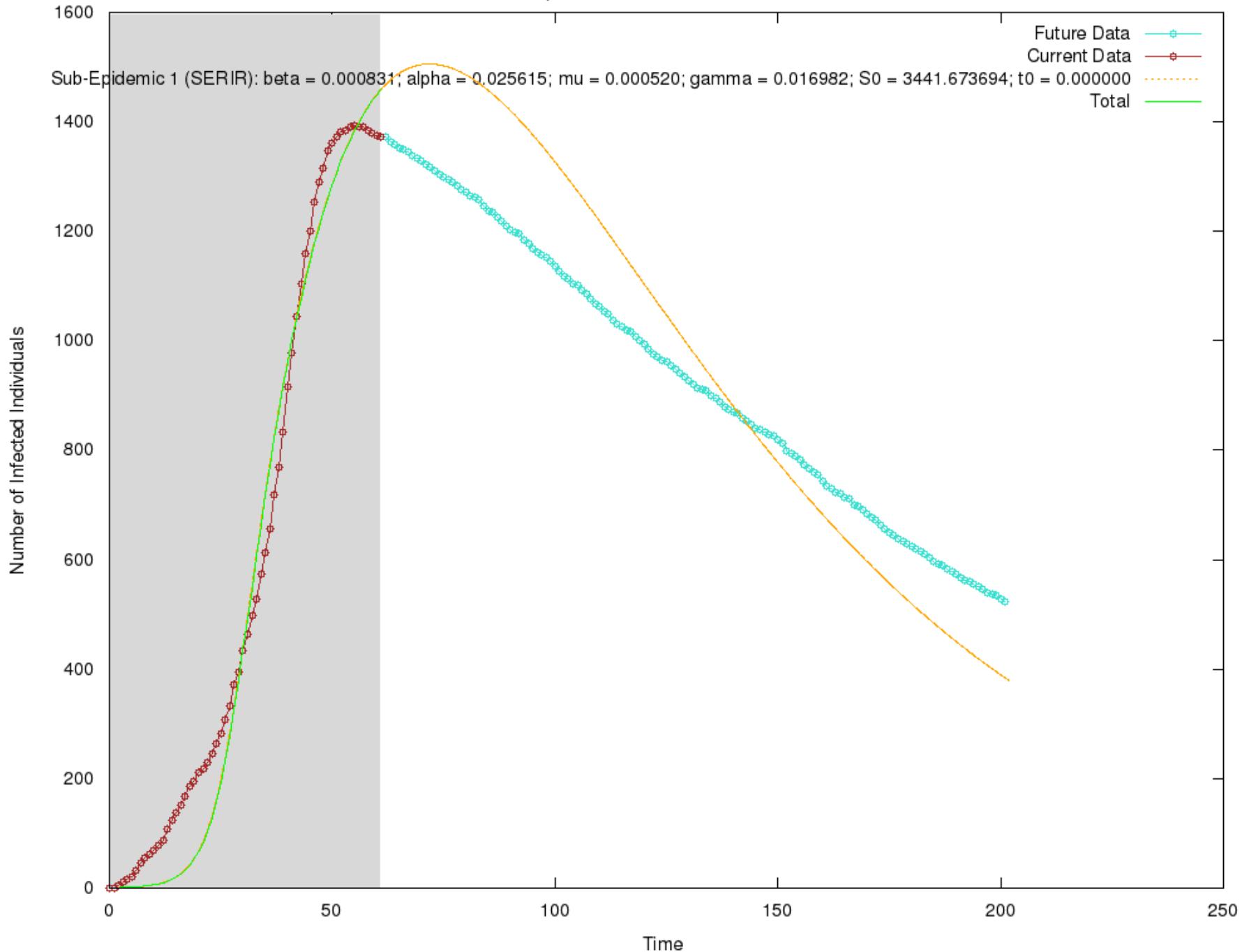
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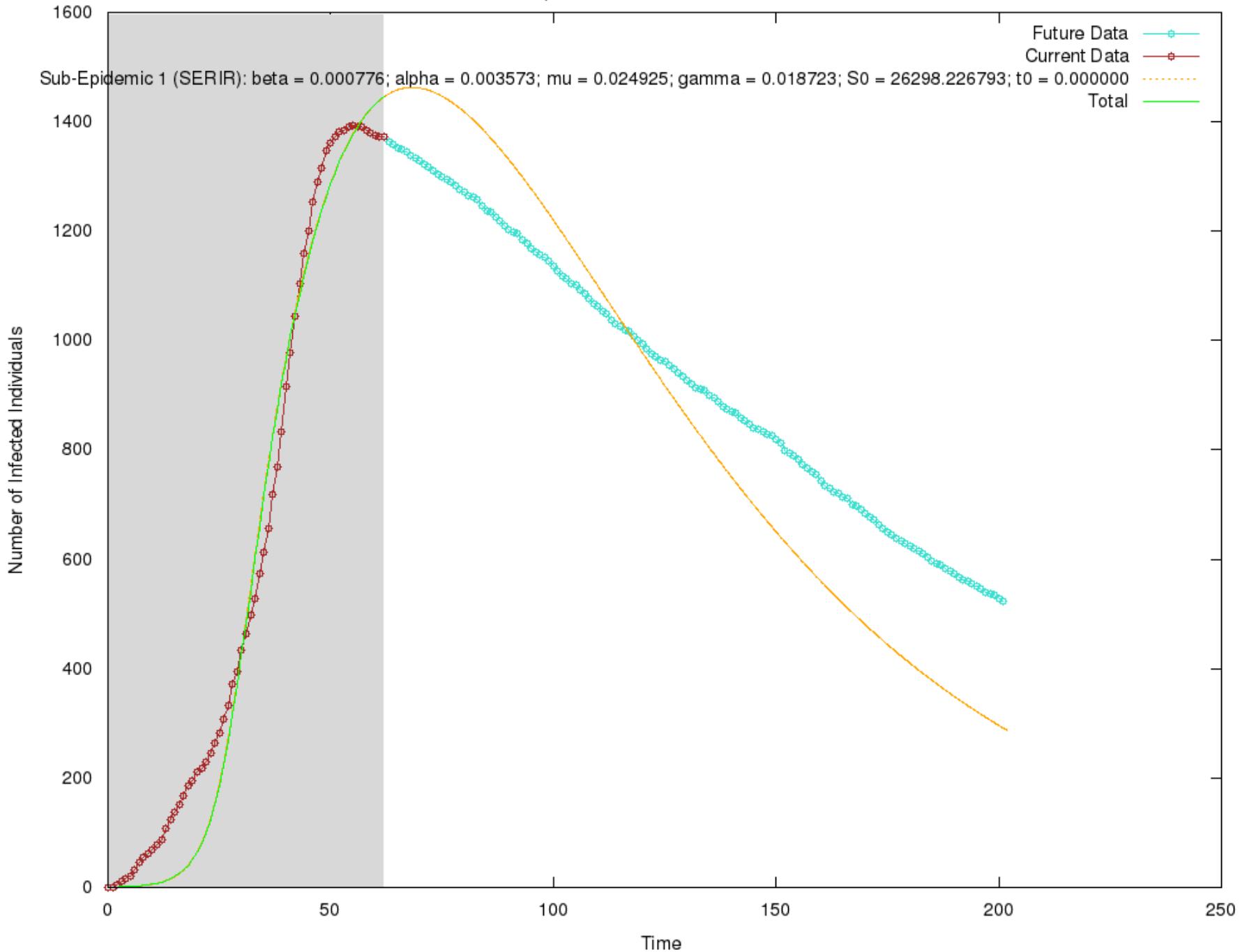
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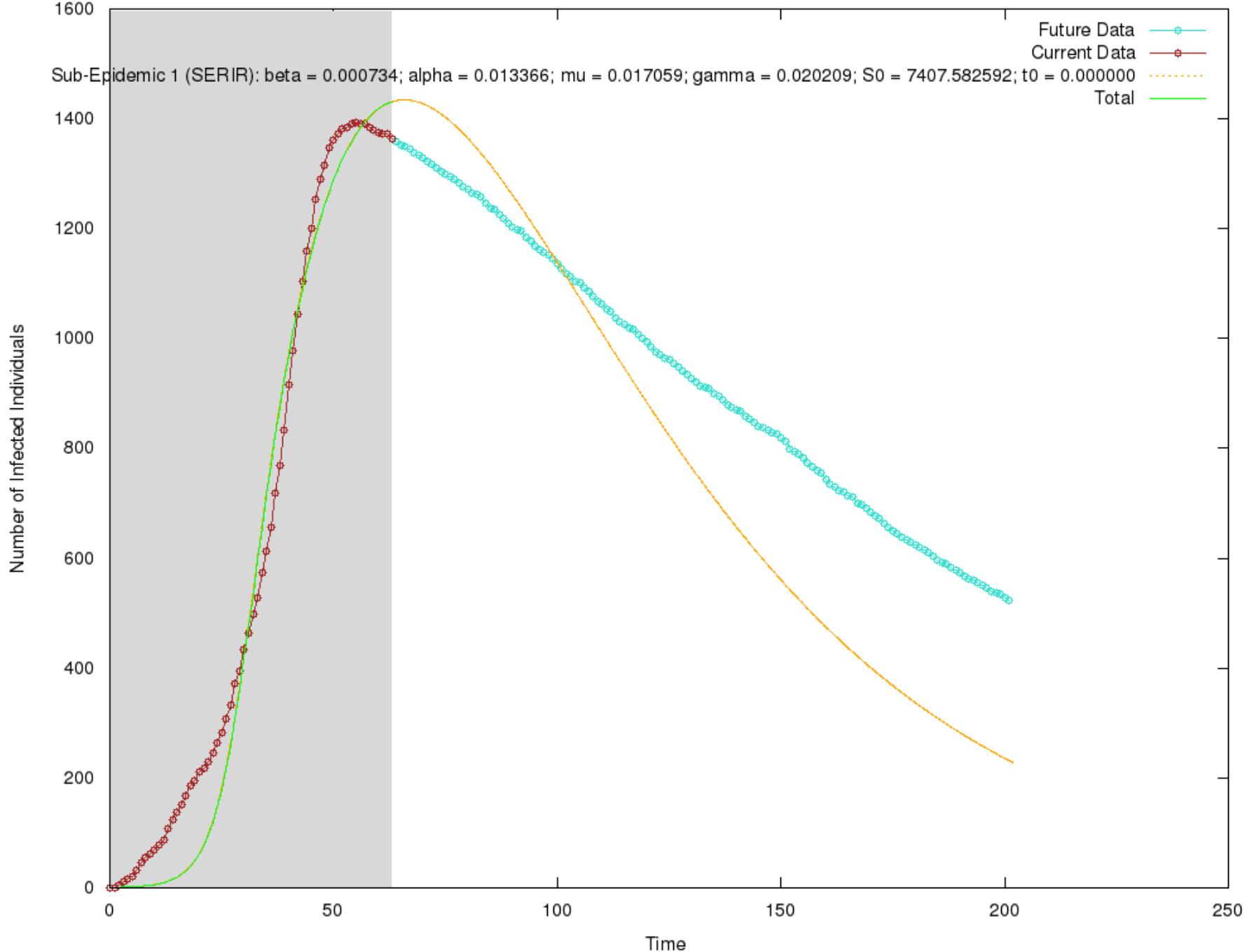
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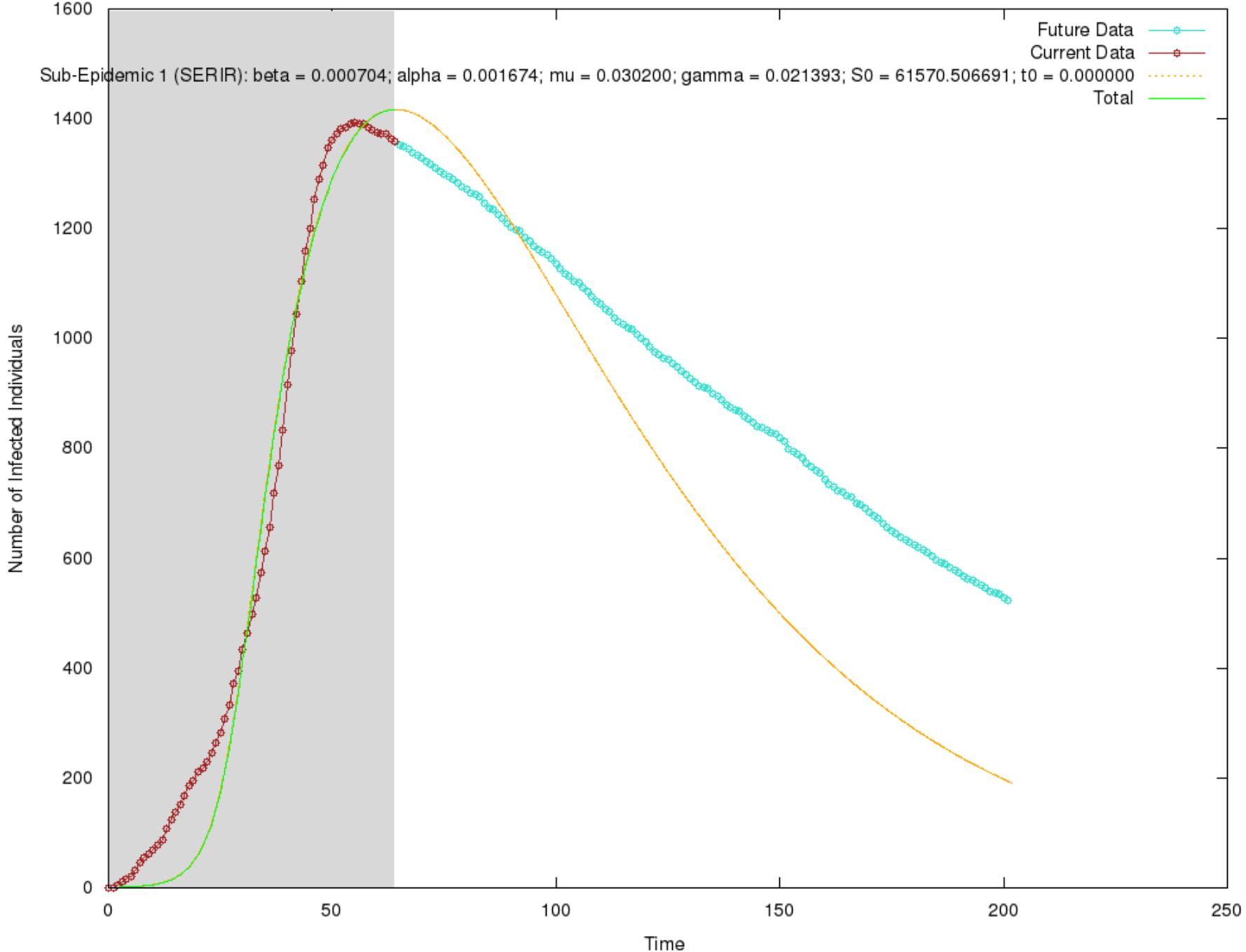
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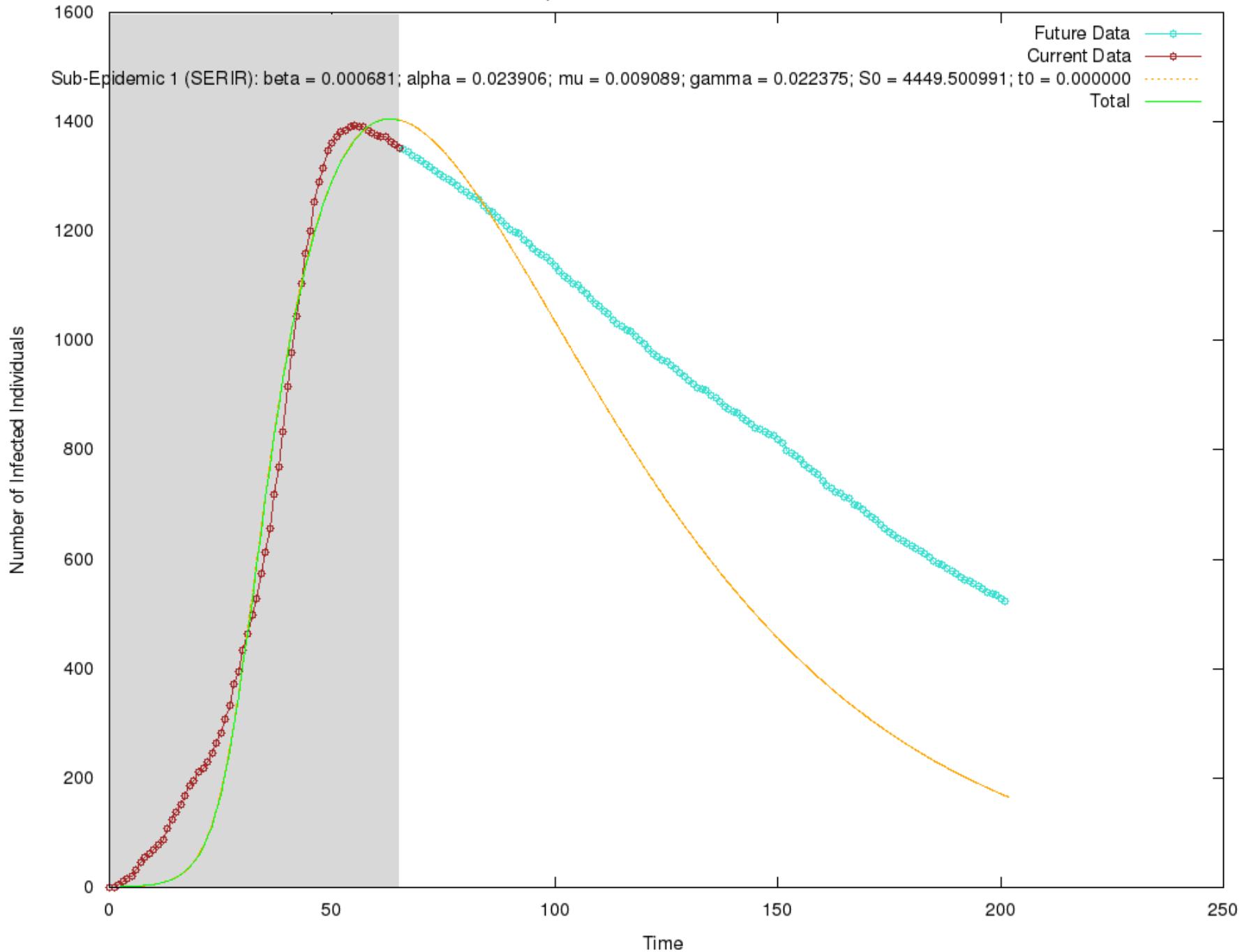
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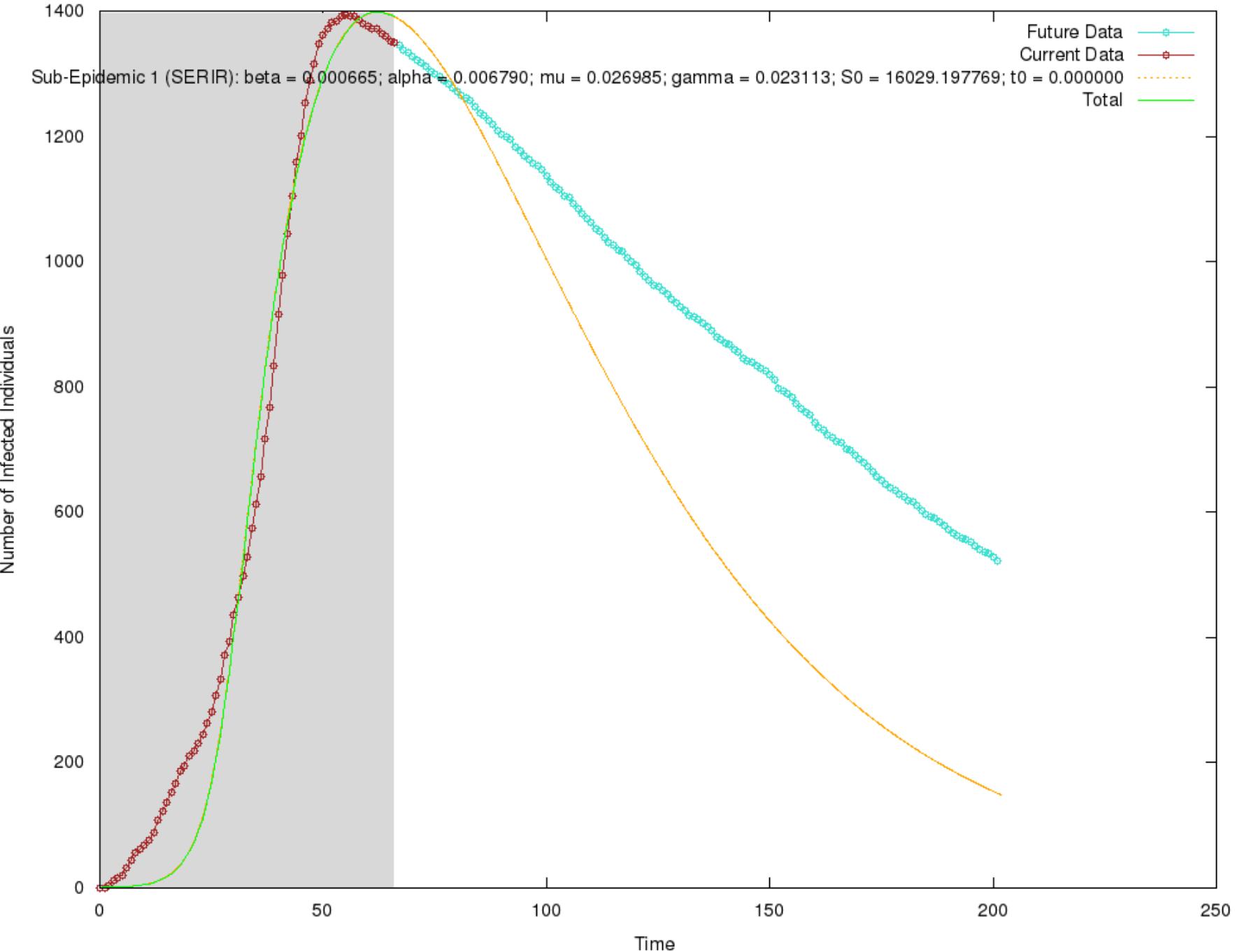
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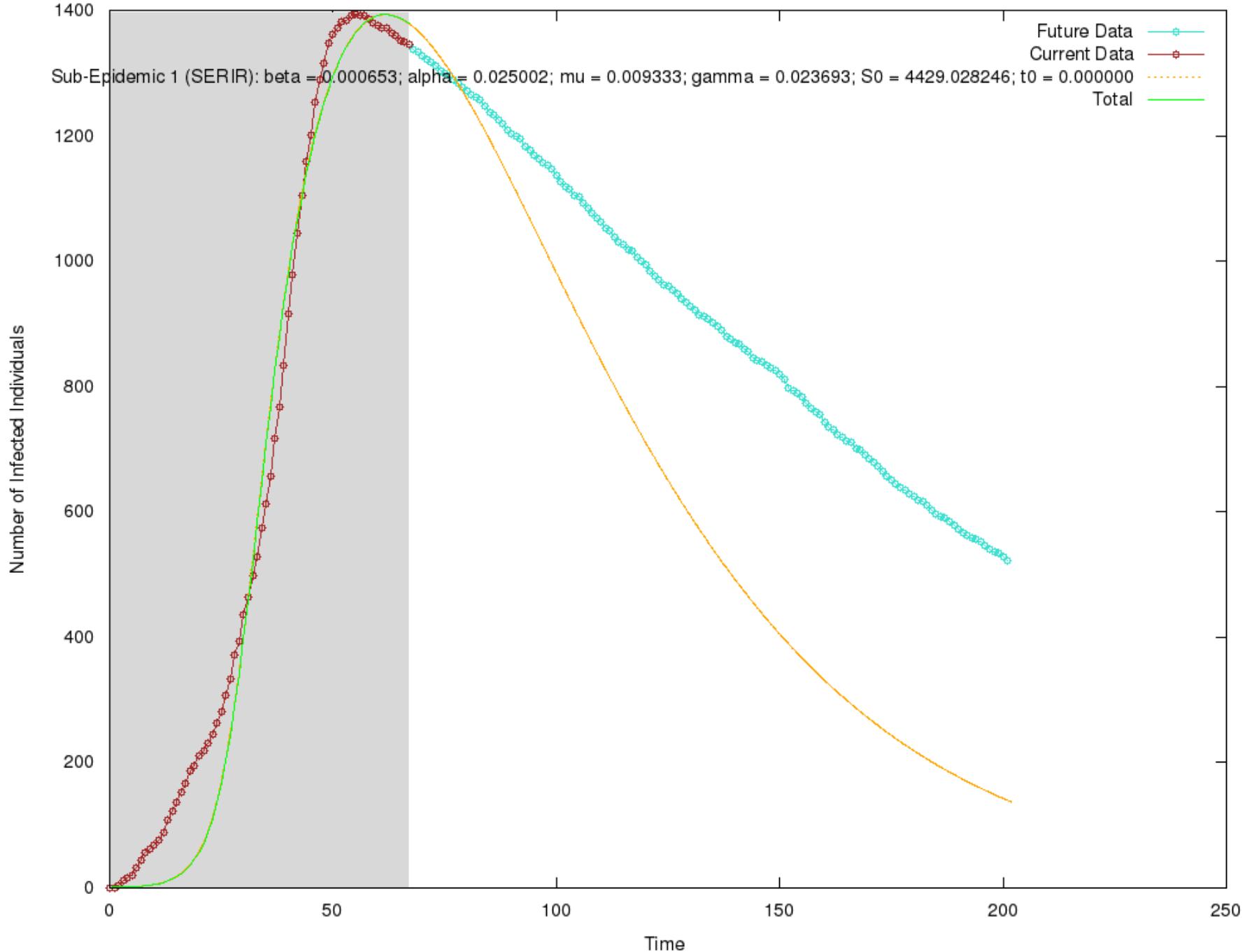
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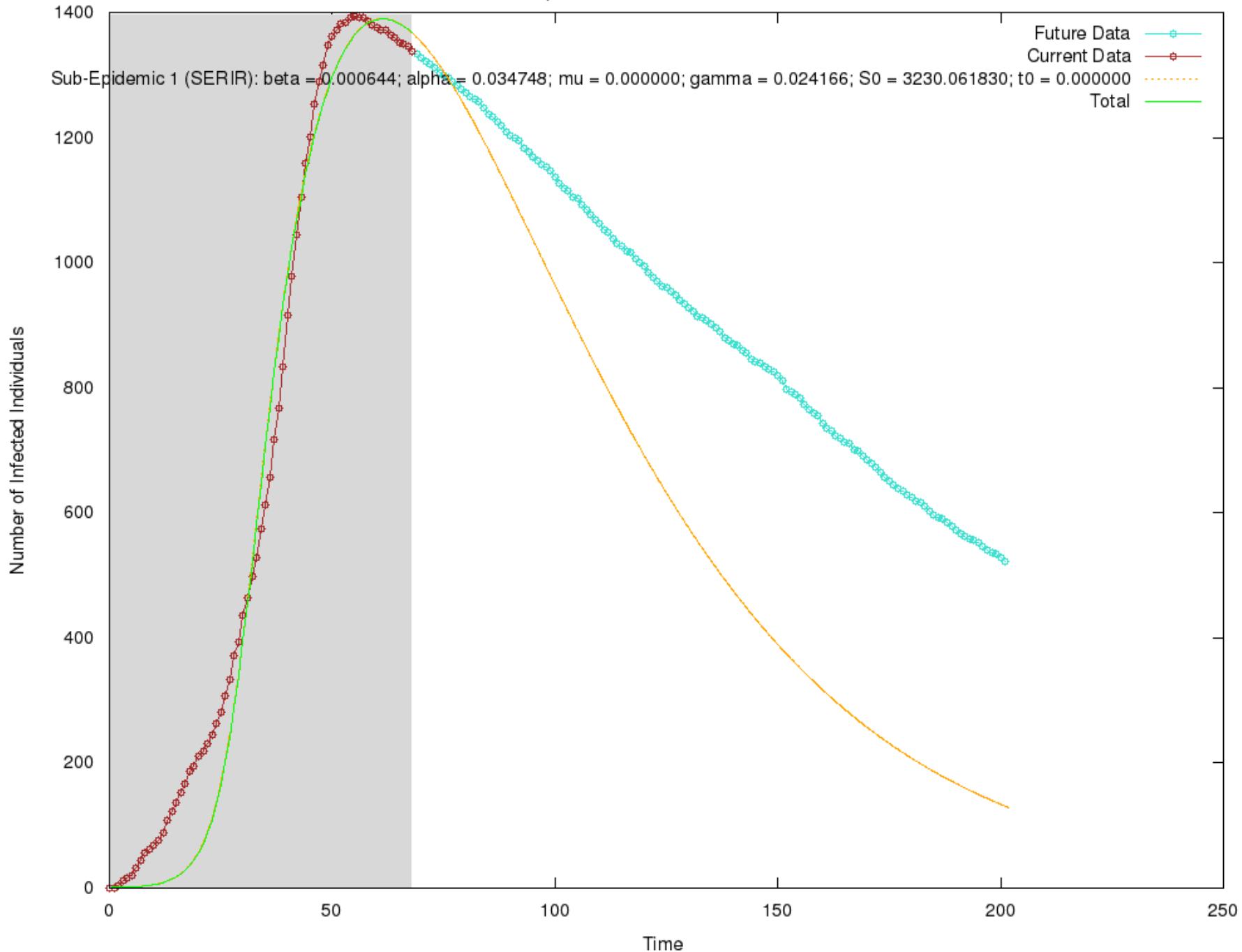
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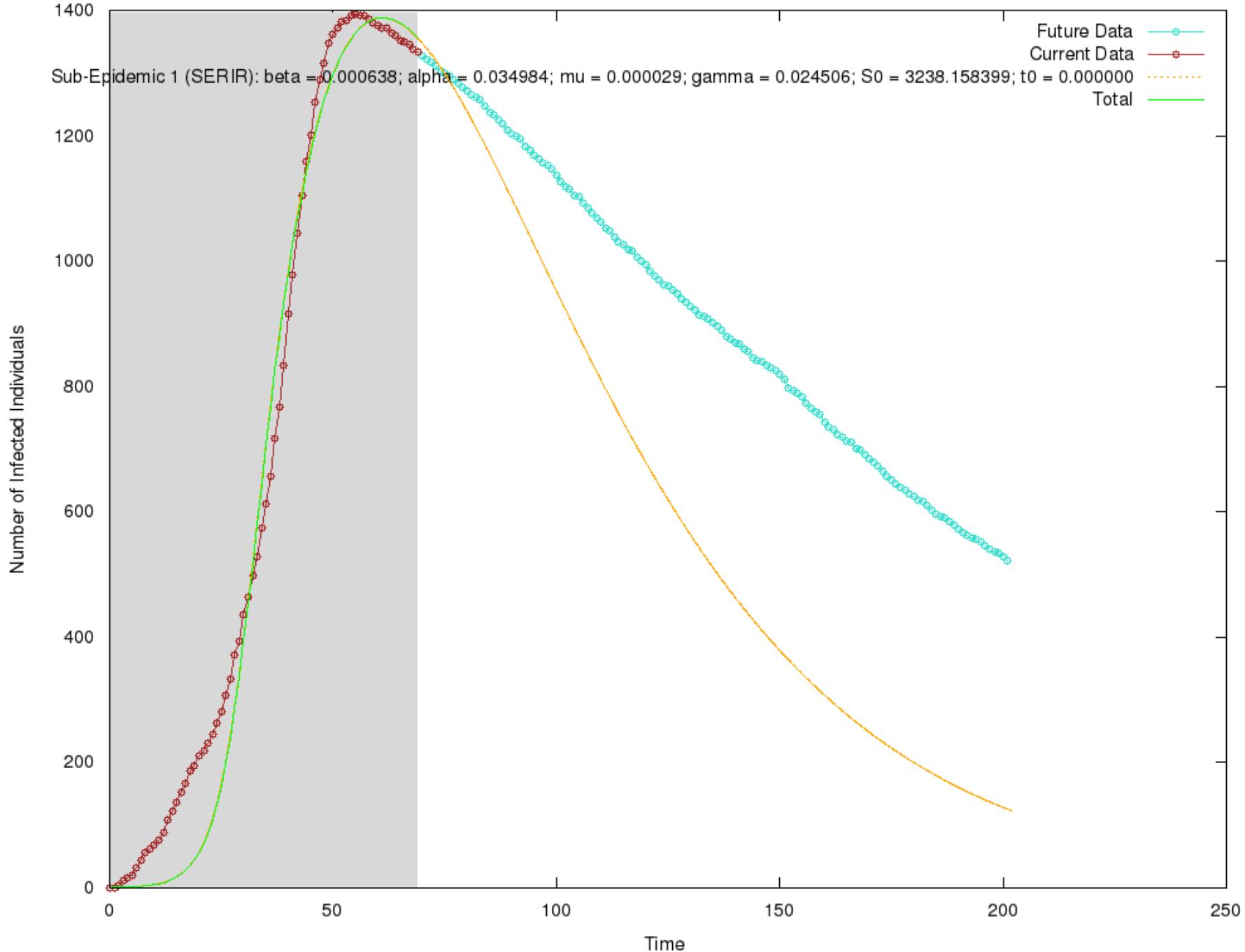
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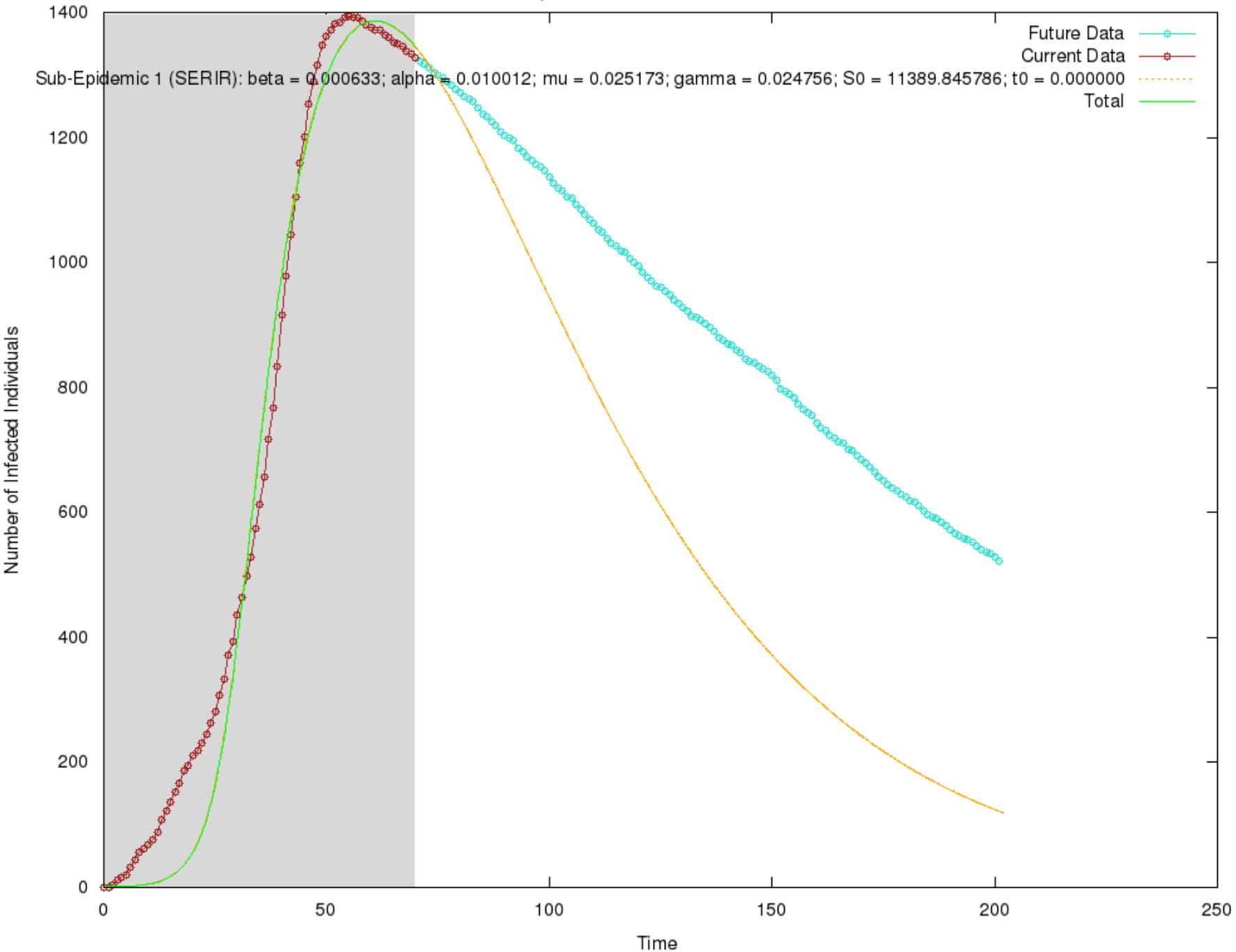
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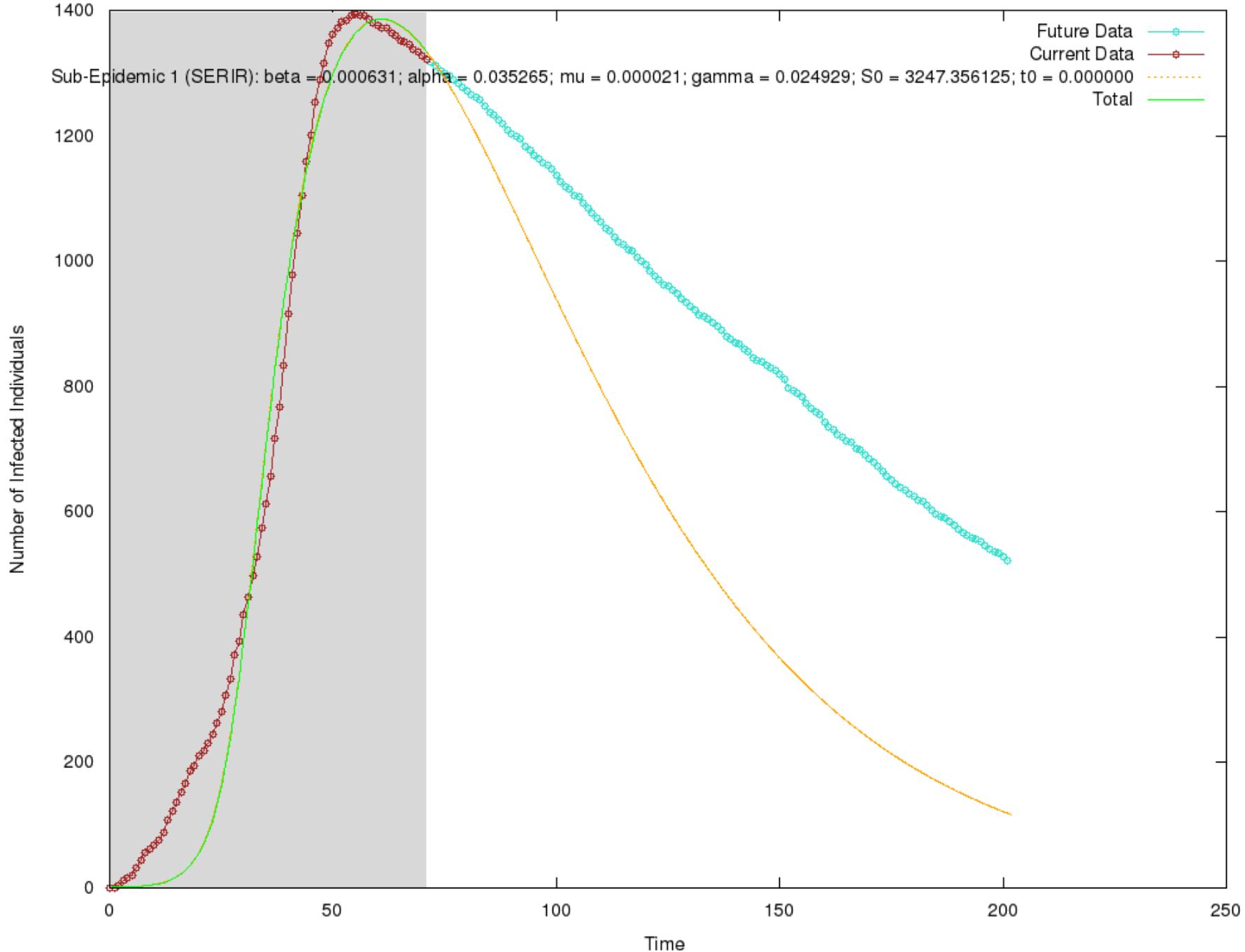
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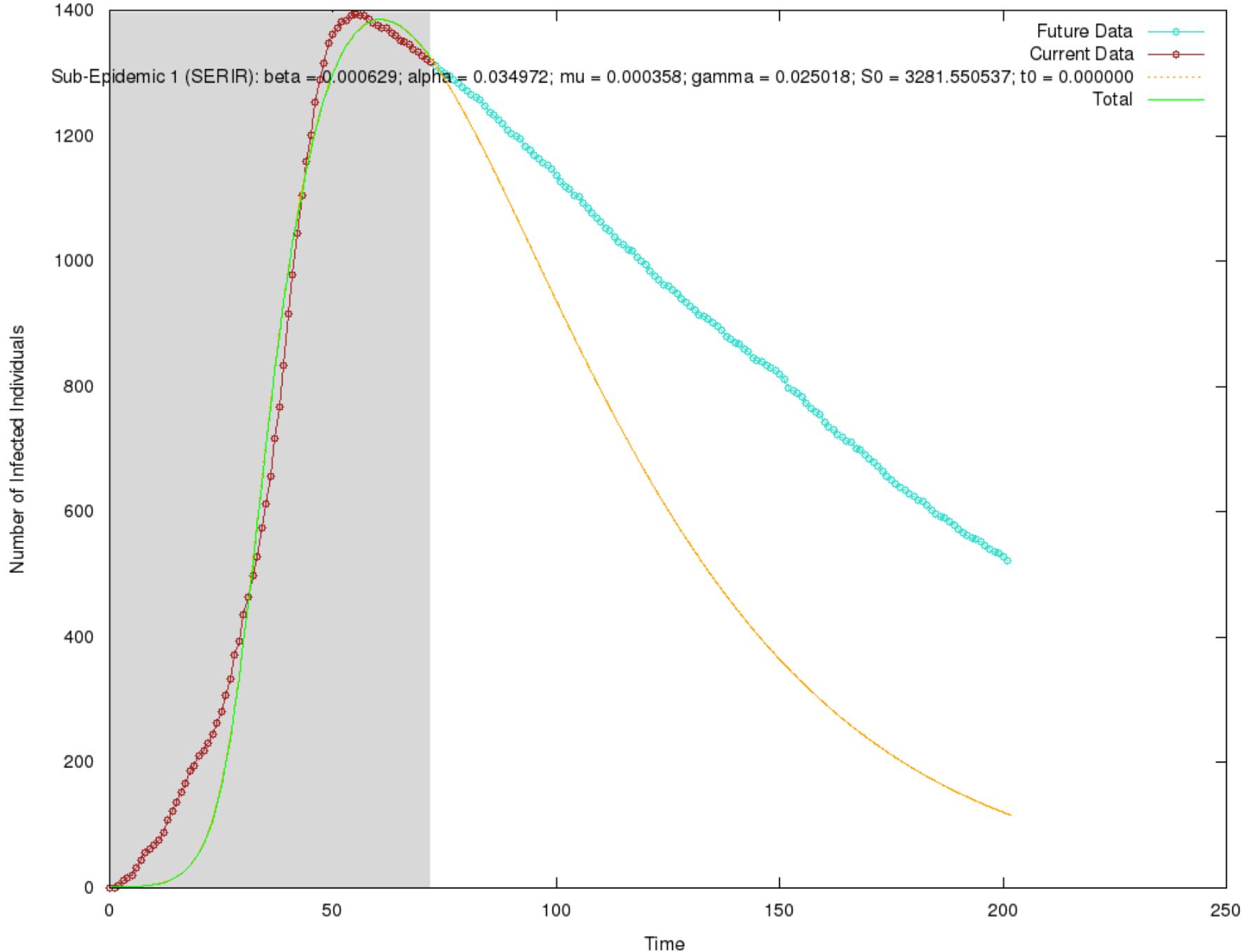
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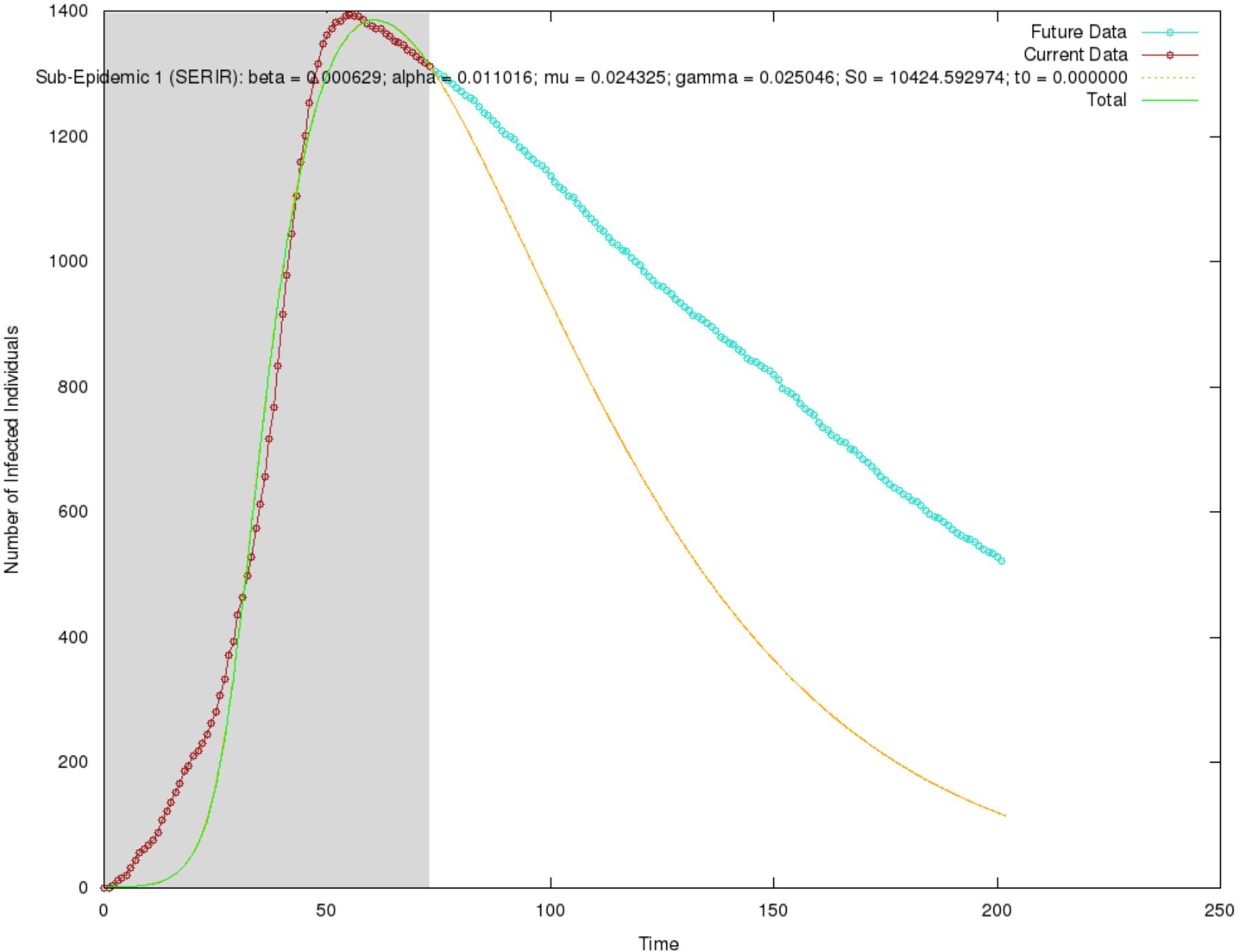
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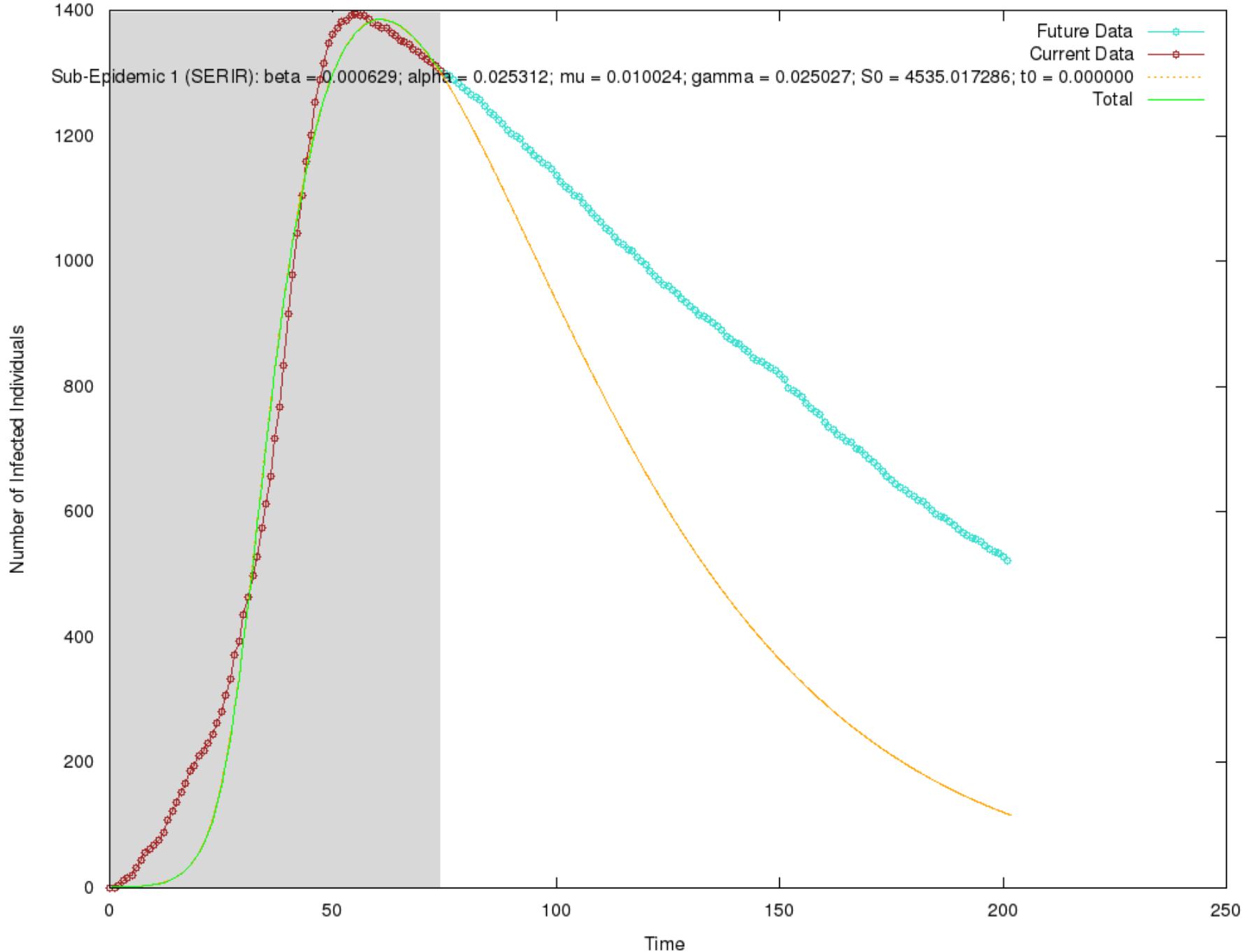
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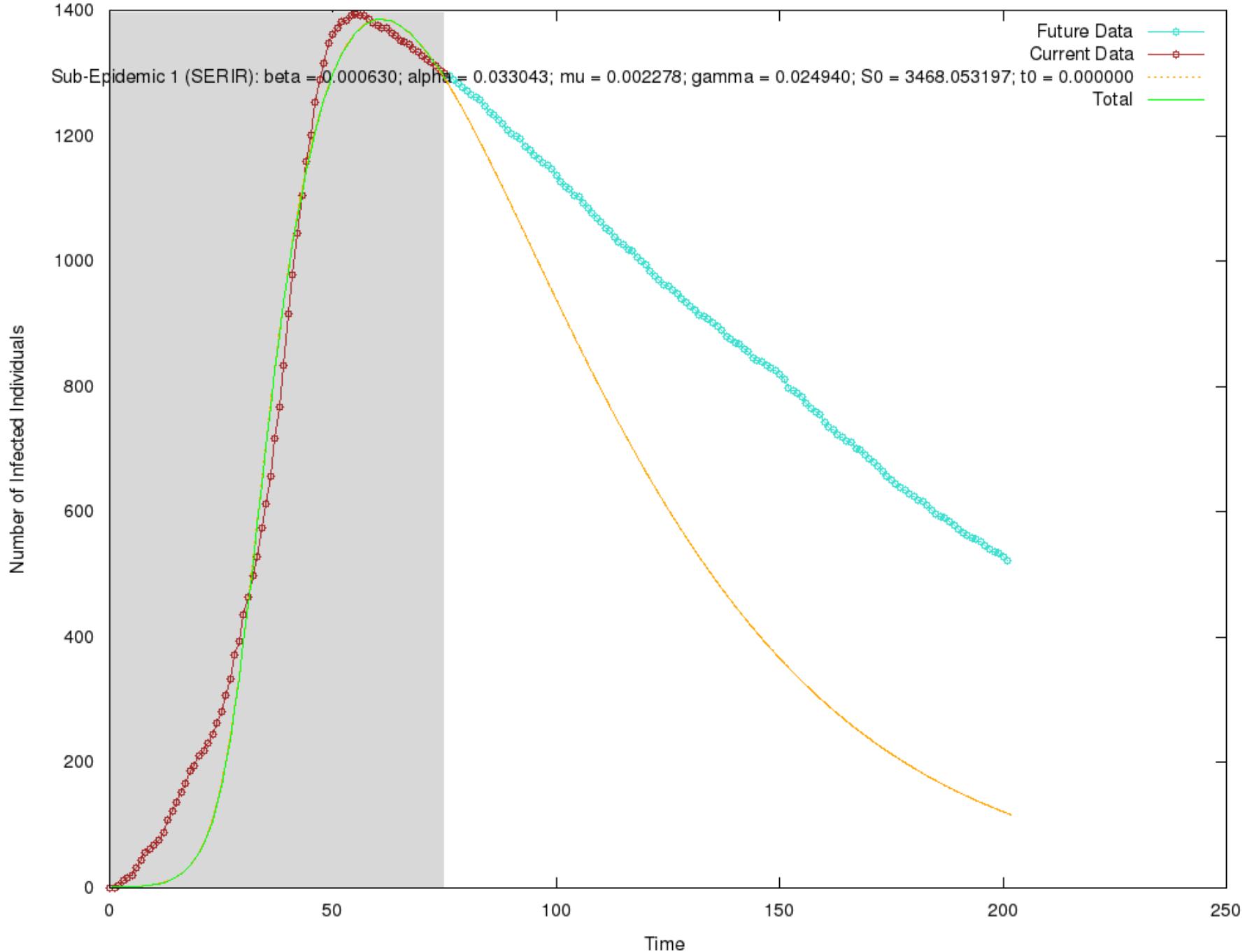
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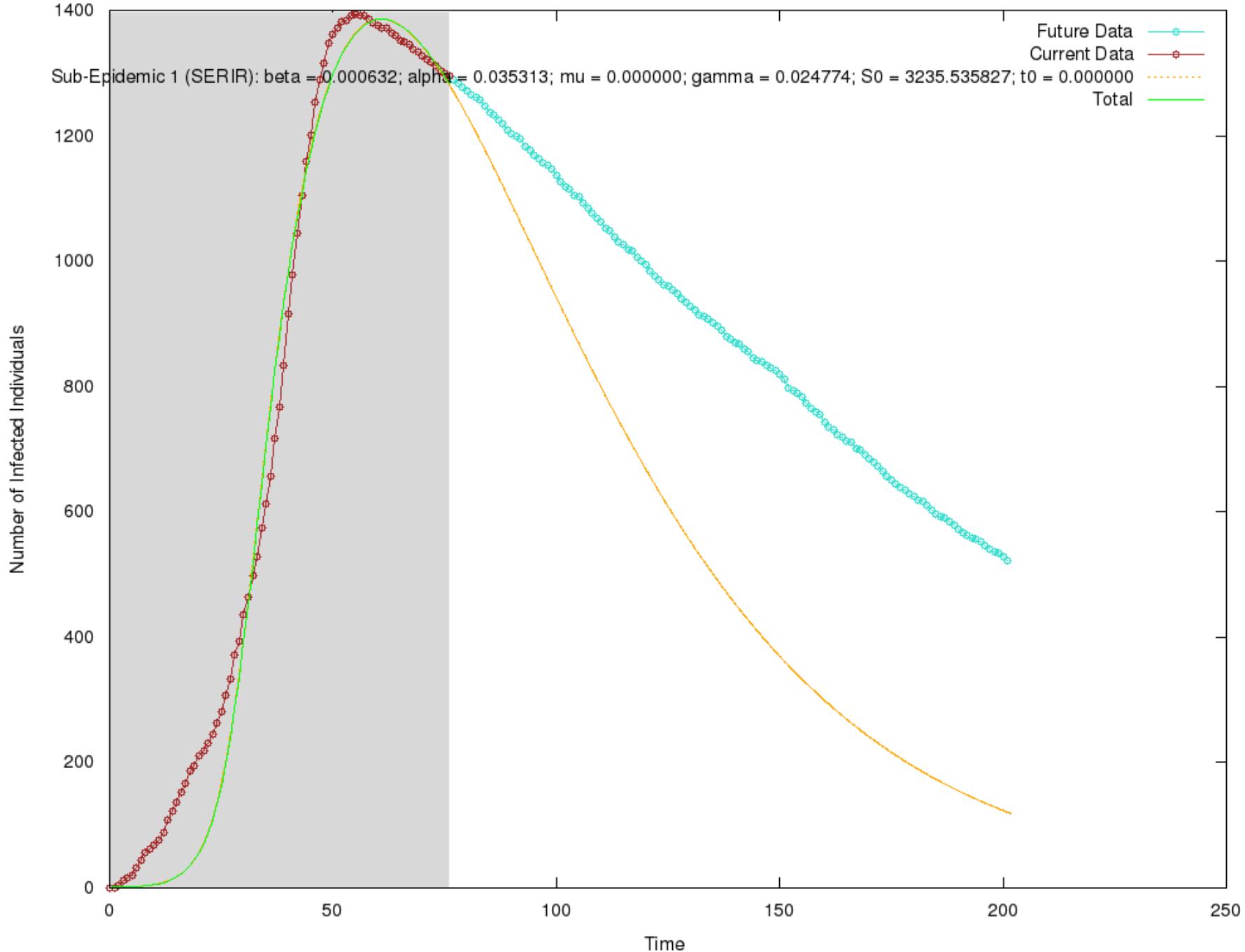
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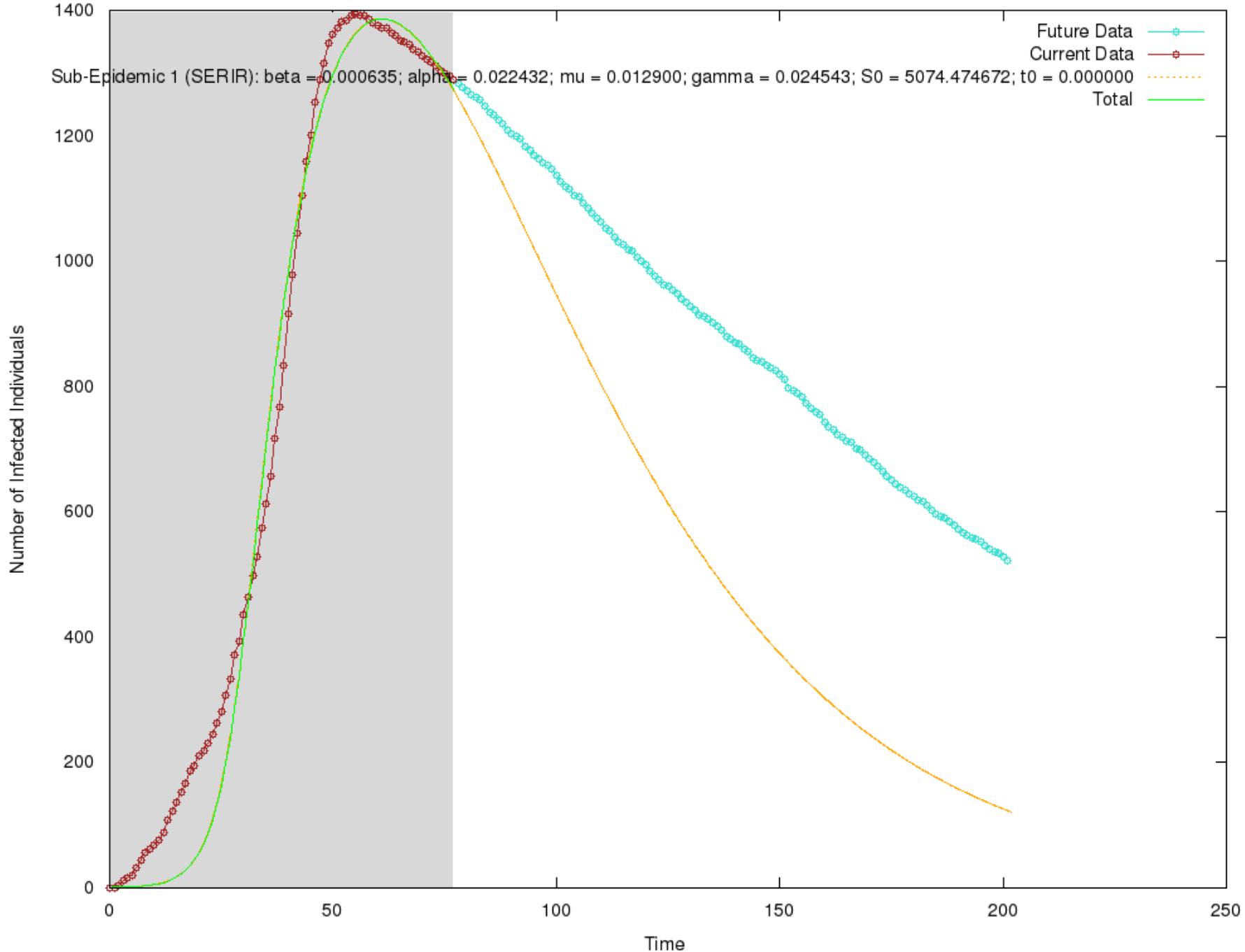
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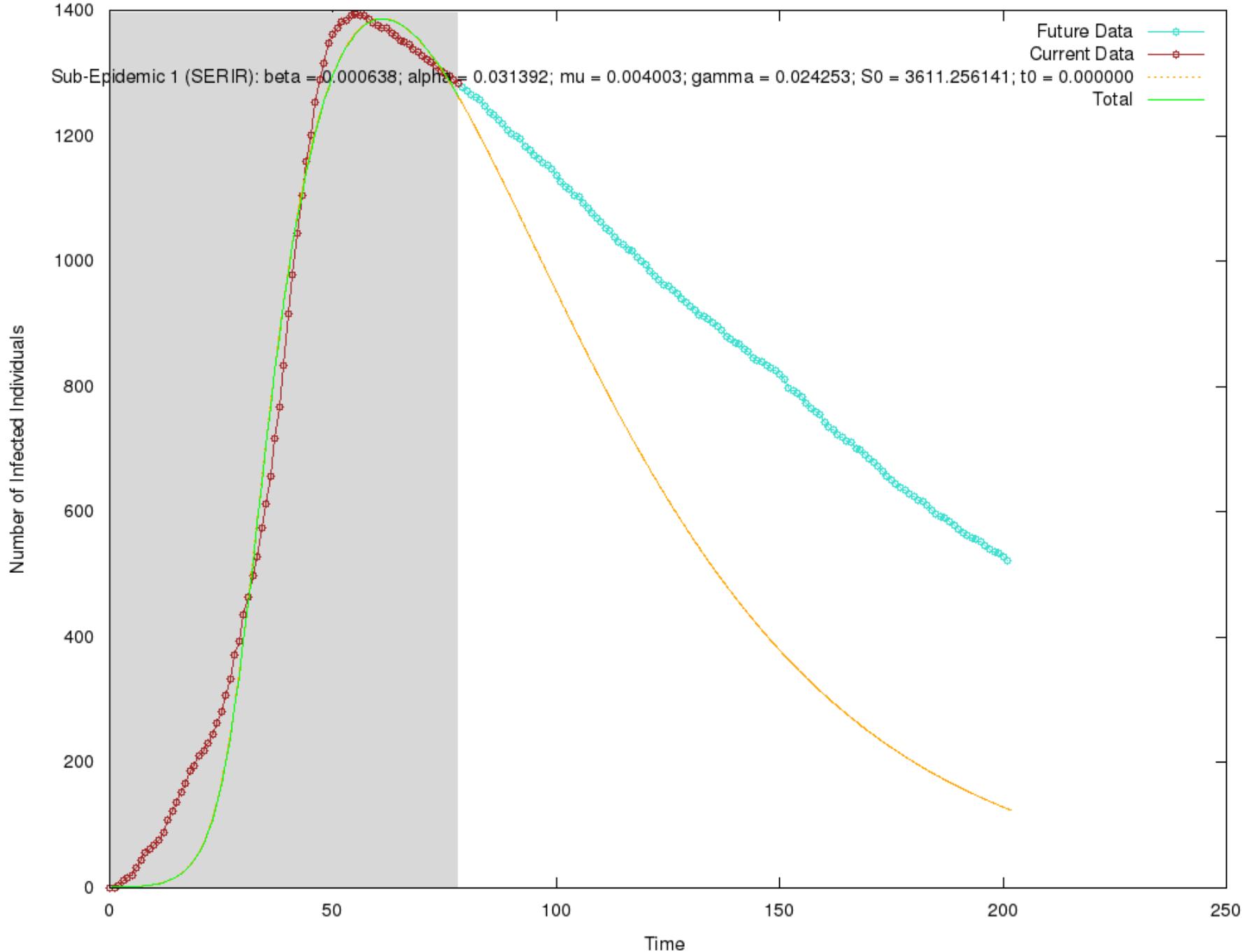
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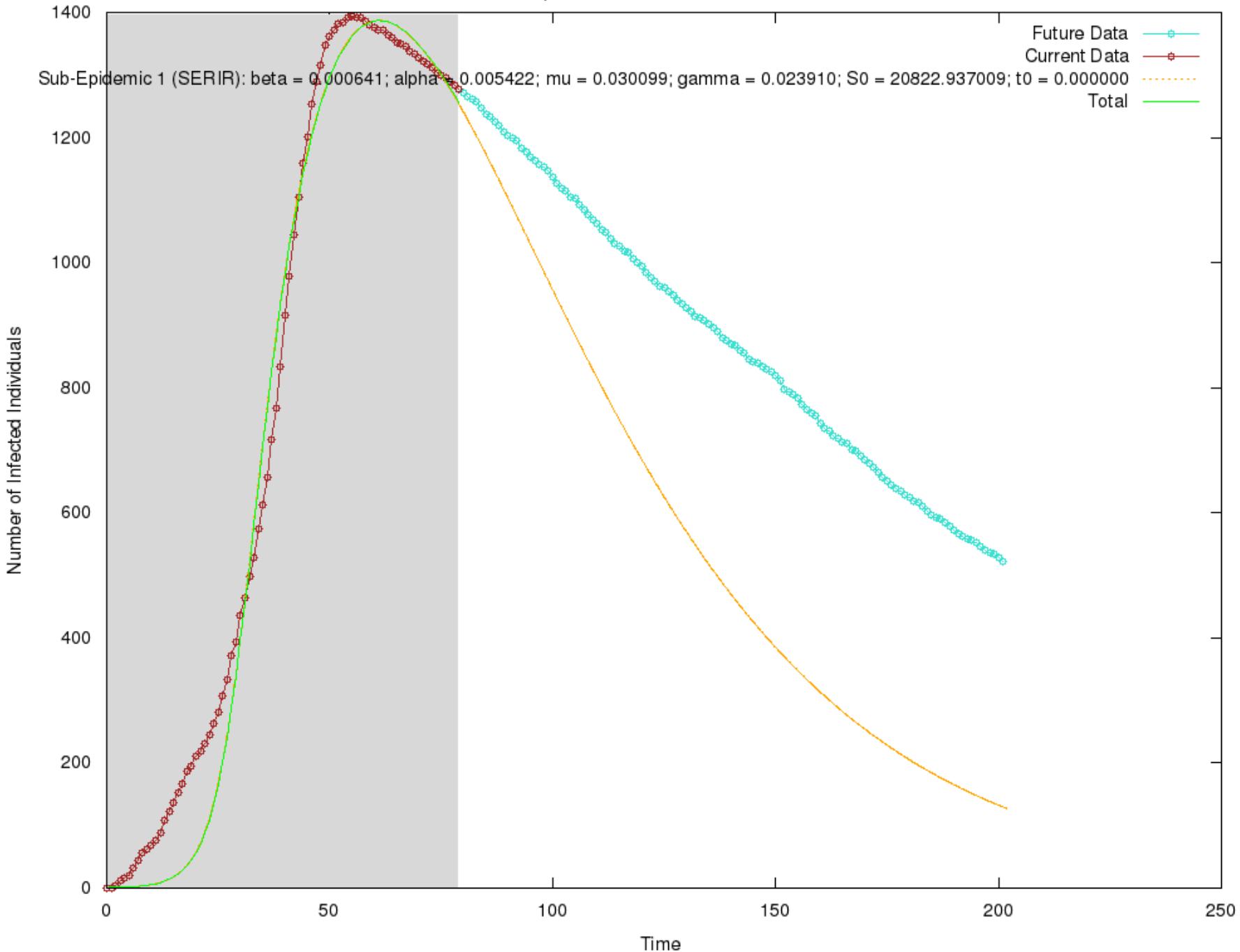
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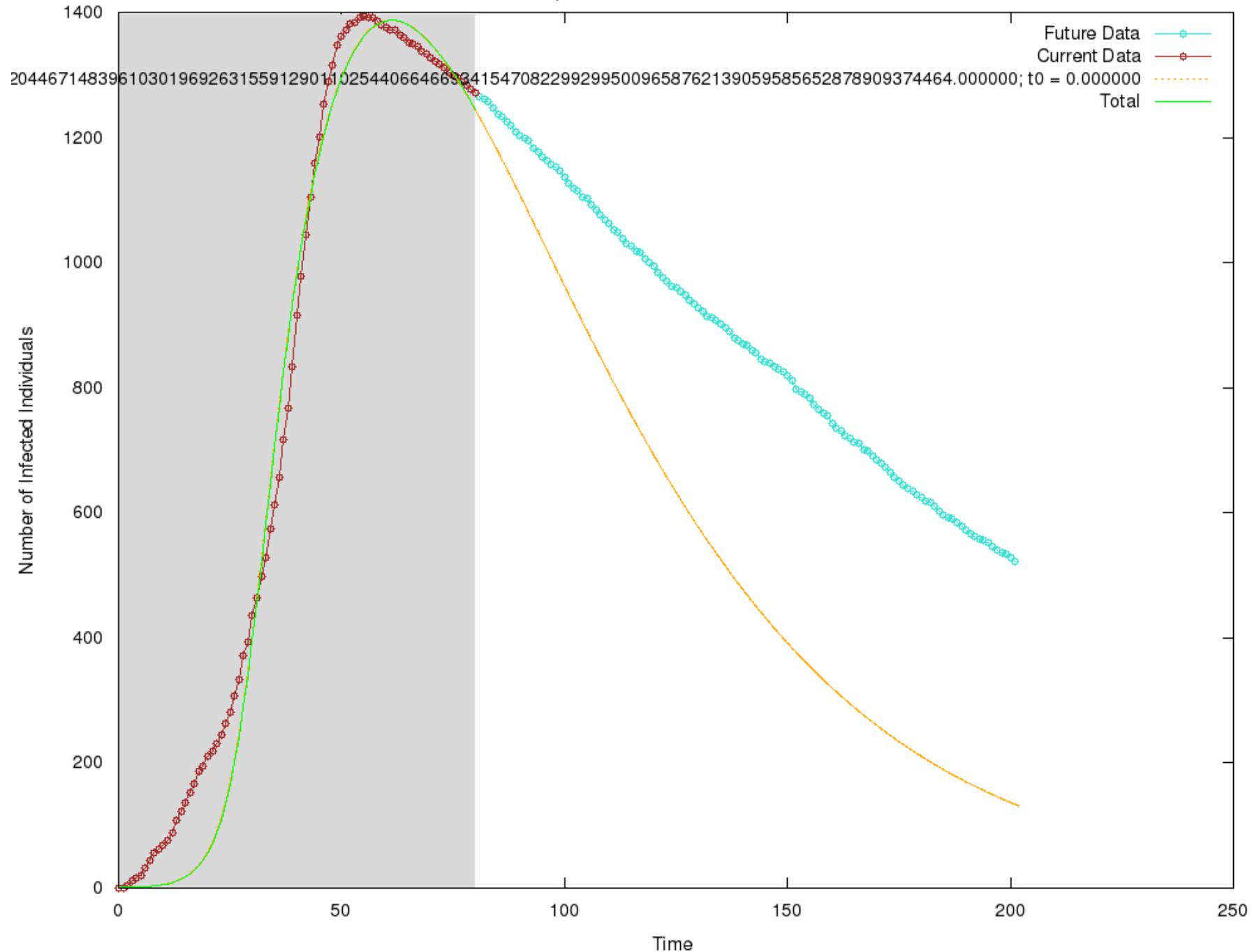
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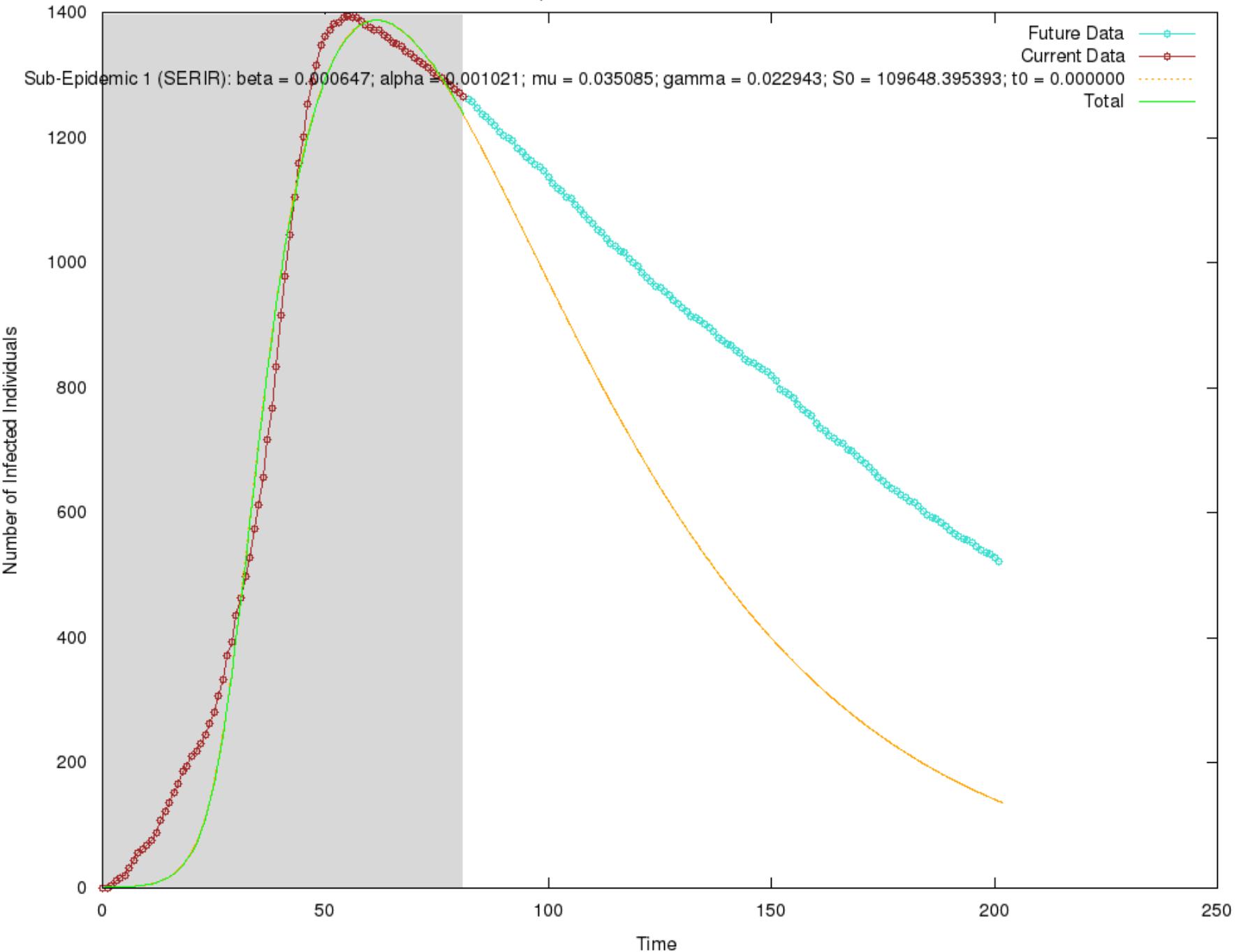
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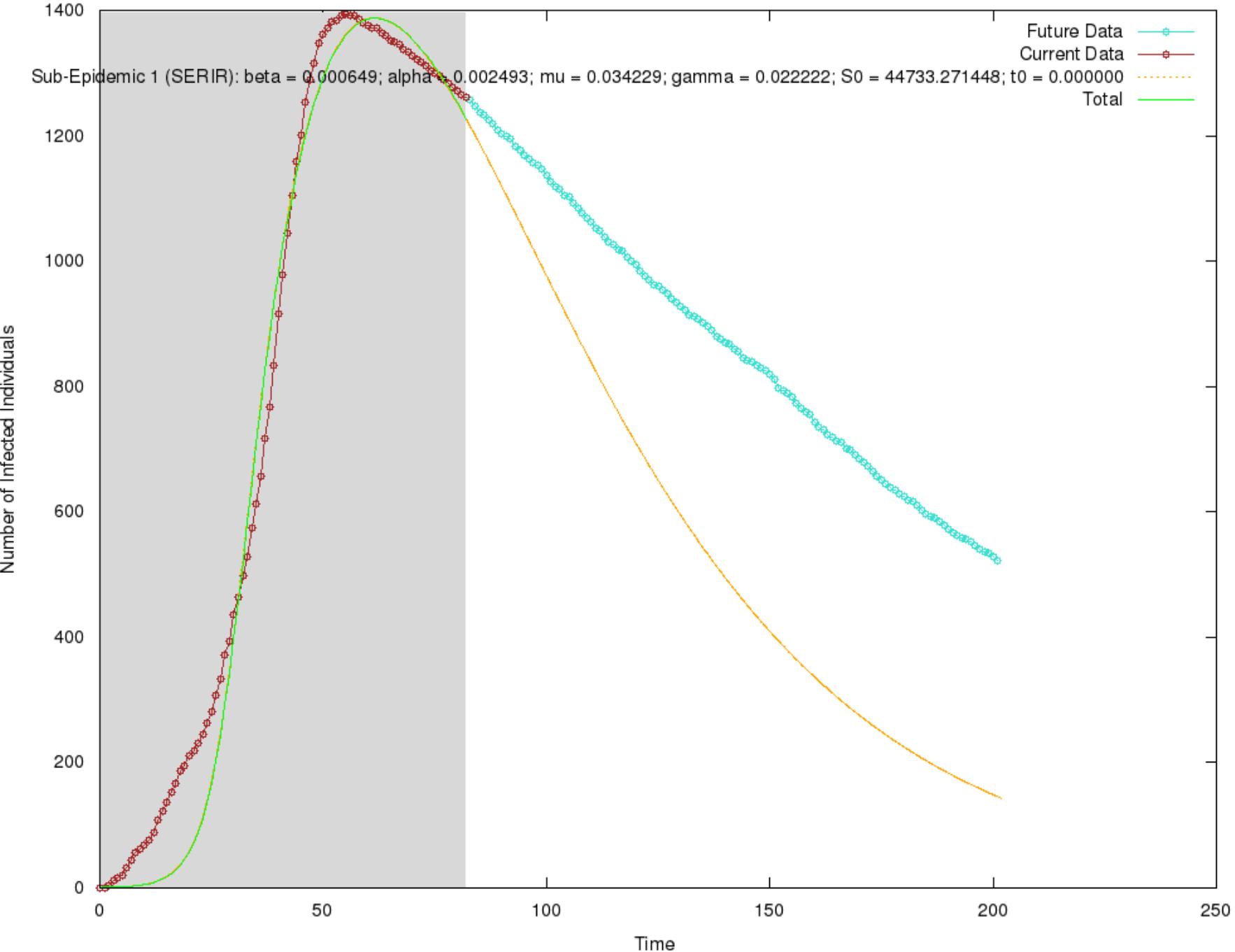
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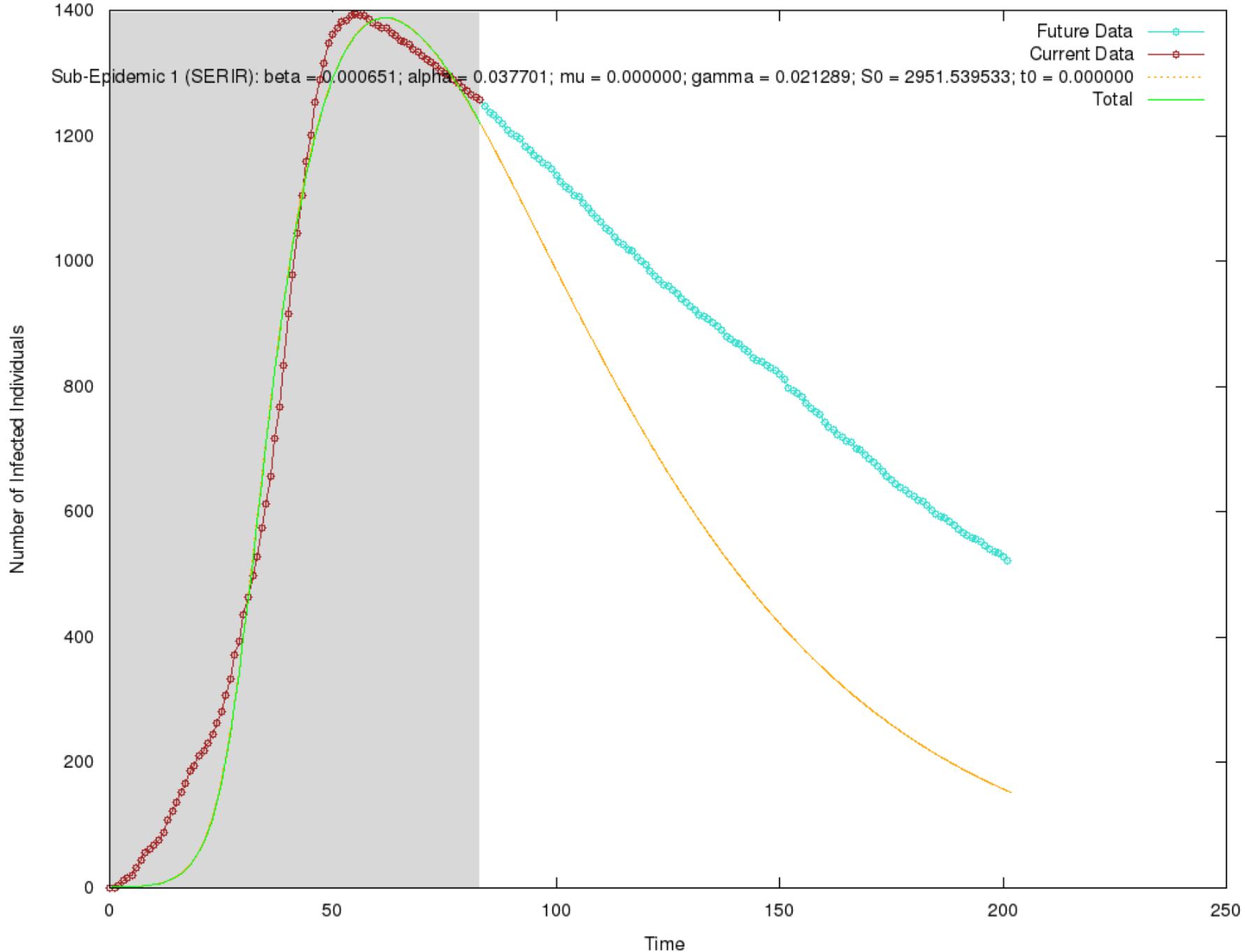
RSquare: 0.983809. Run number: 81



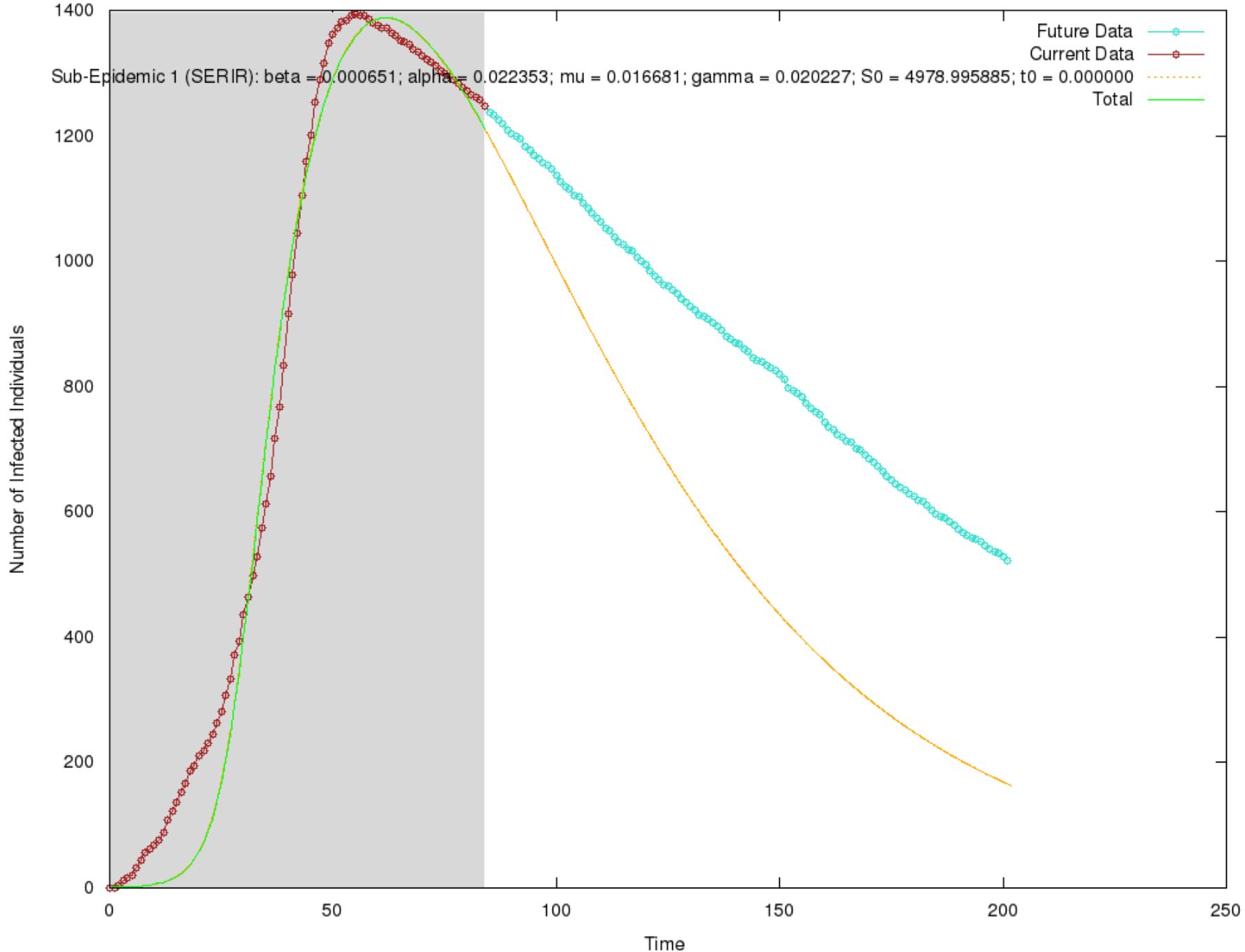
RSquare: 0.983898. Run number: 82



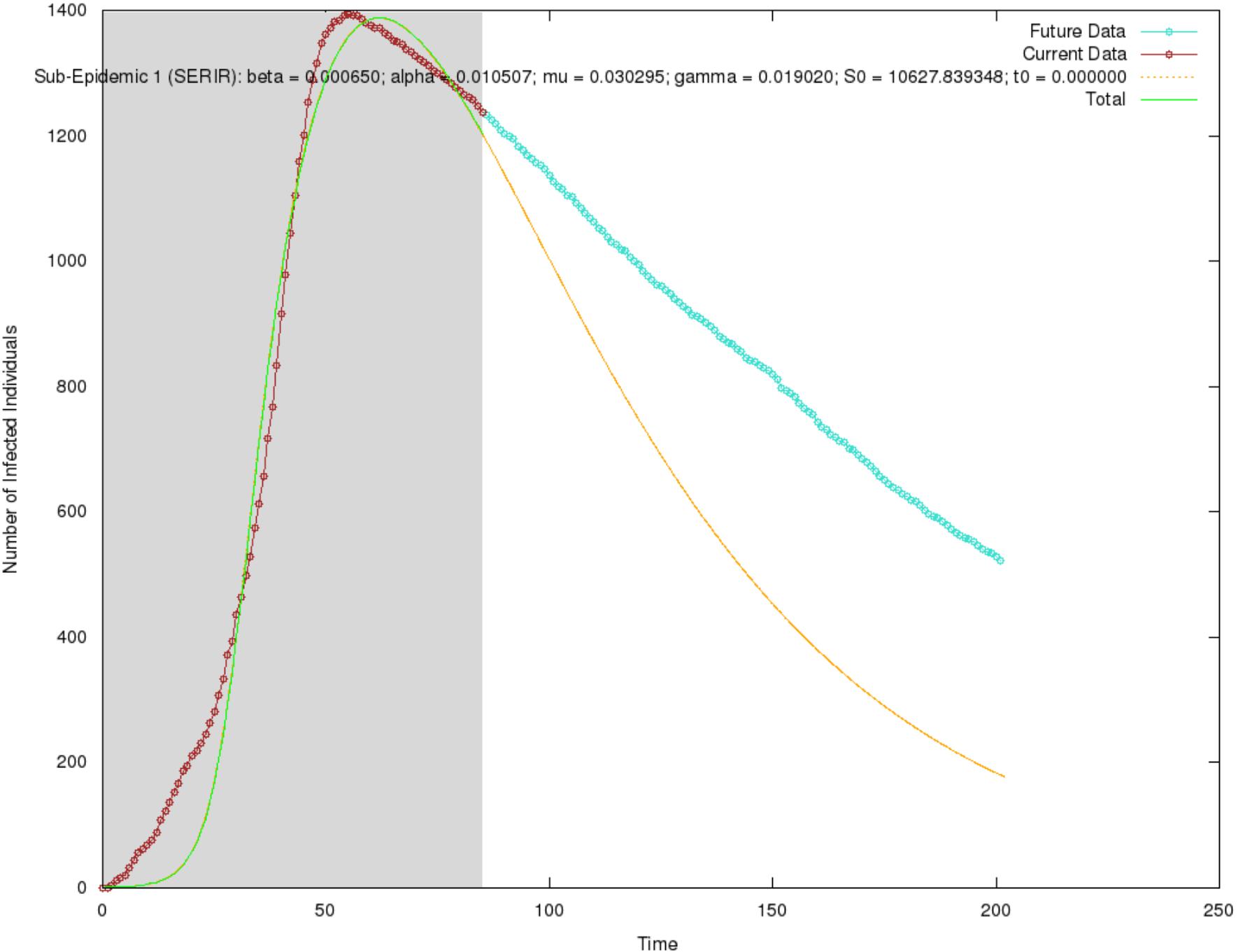
RSquare: 0.983969. Run number: 83



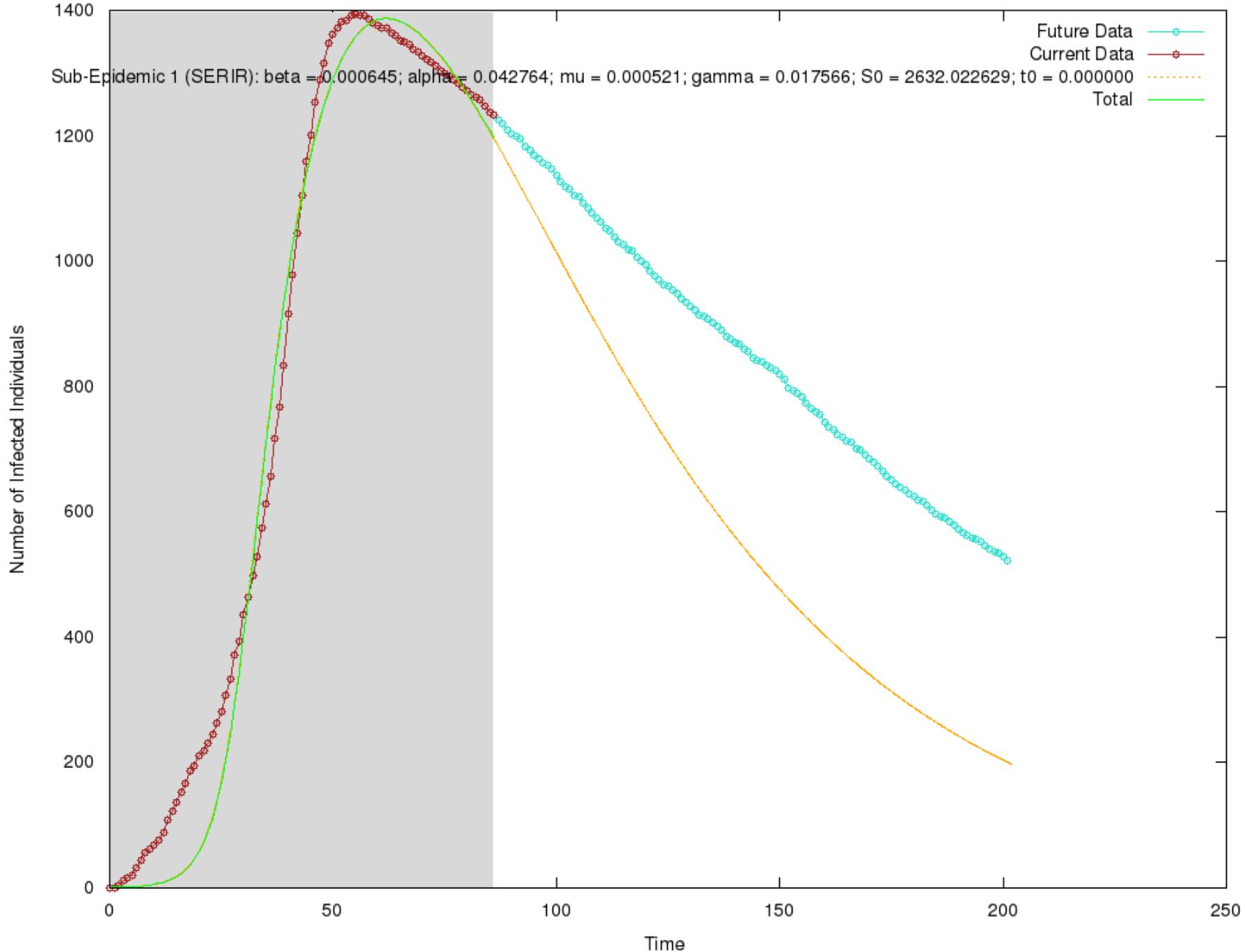
RSquare: 0.984037. Run number: 84



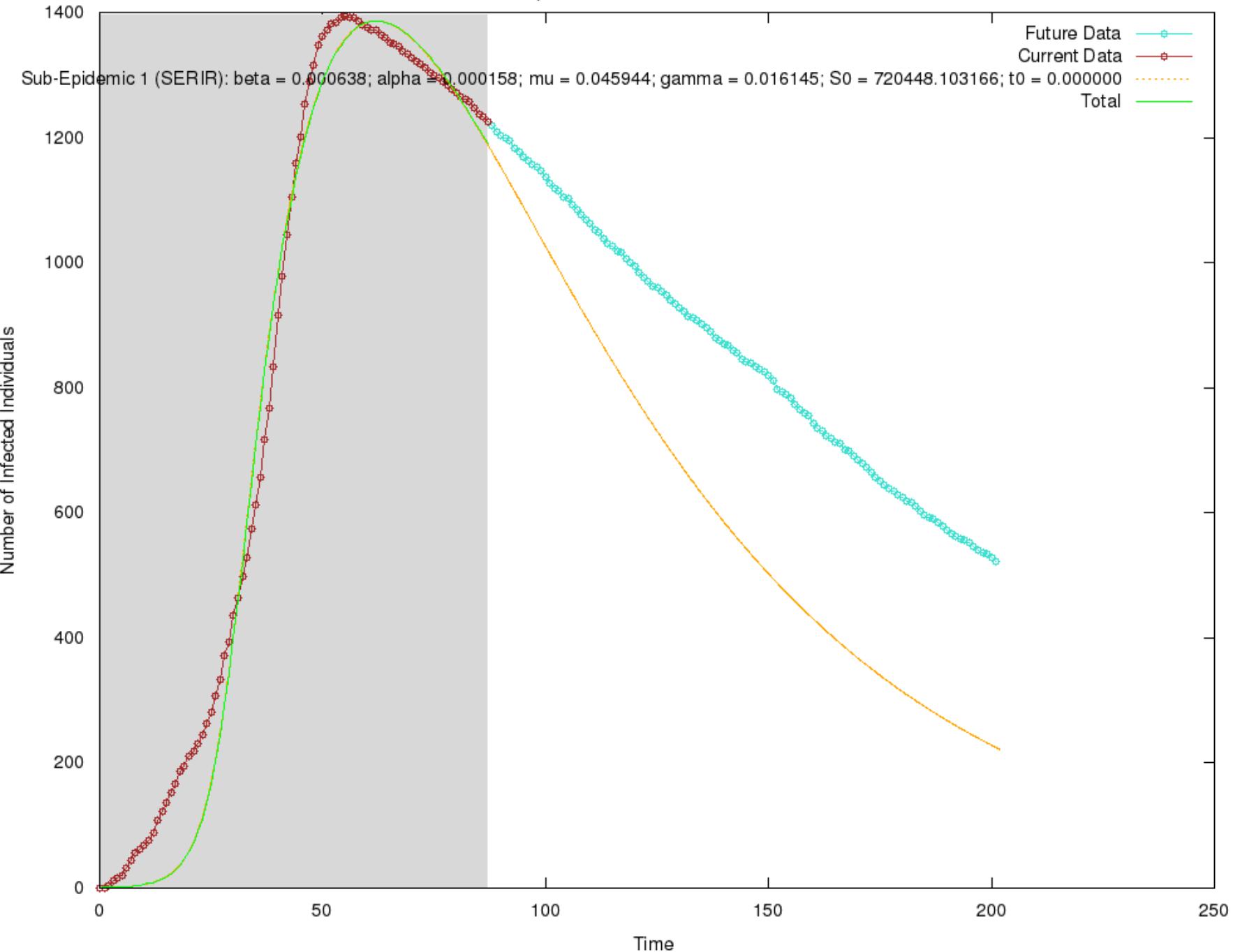
RSquare: 0.984098. Run number: 85



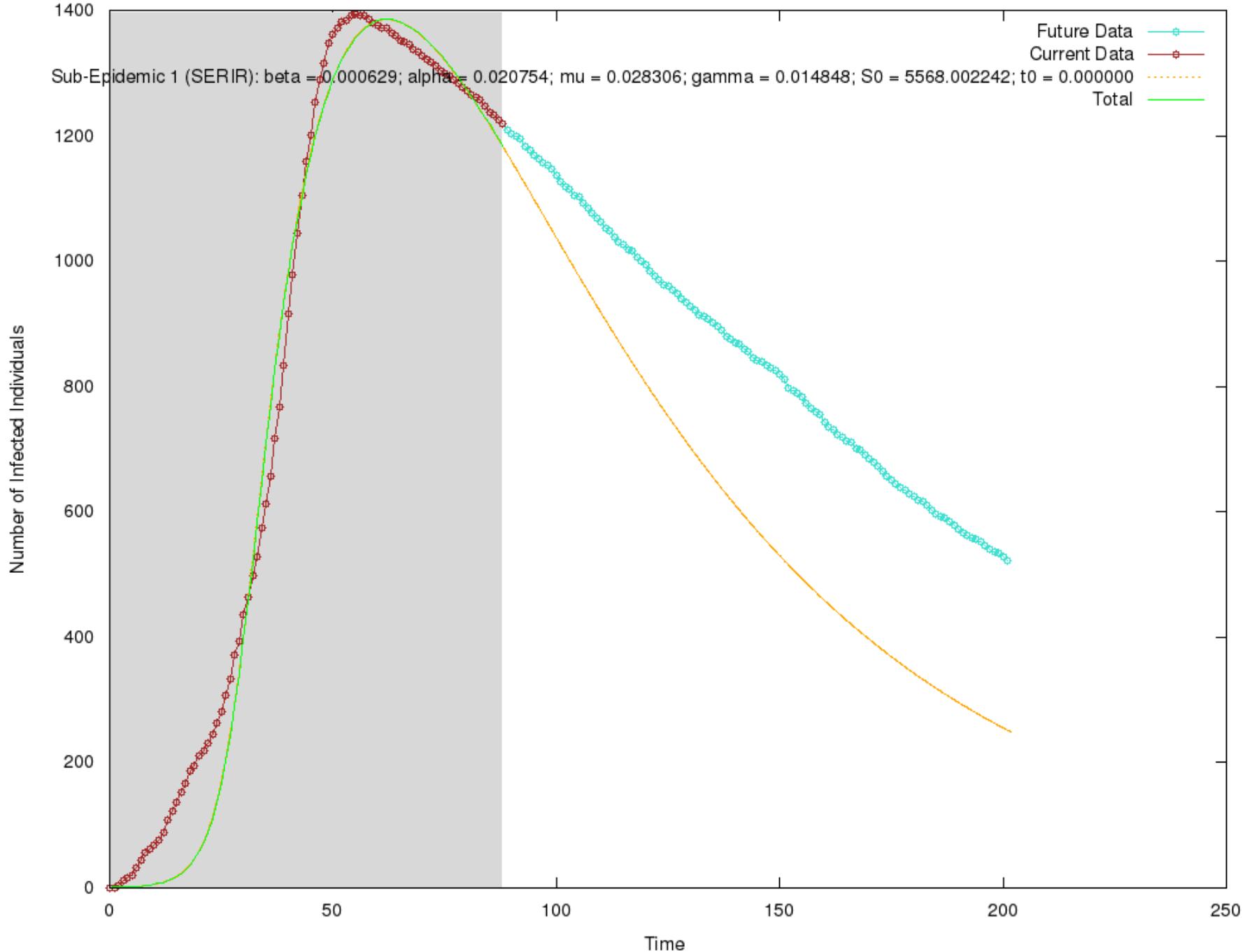
RSquare: 0.984144. Run number: 86



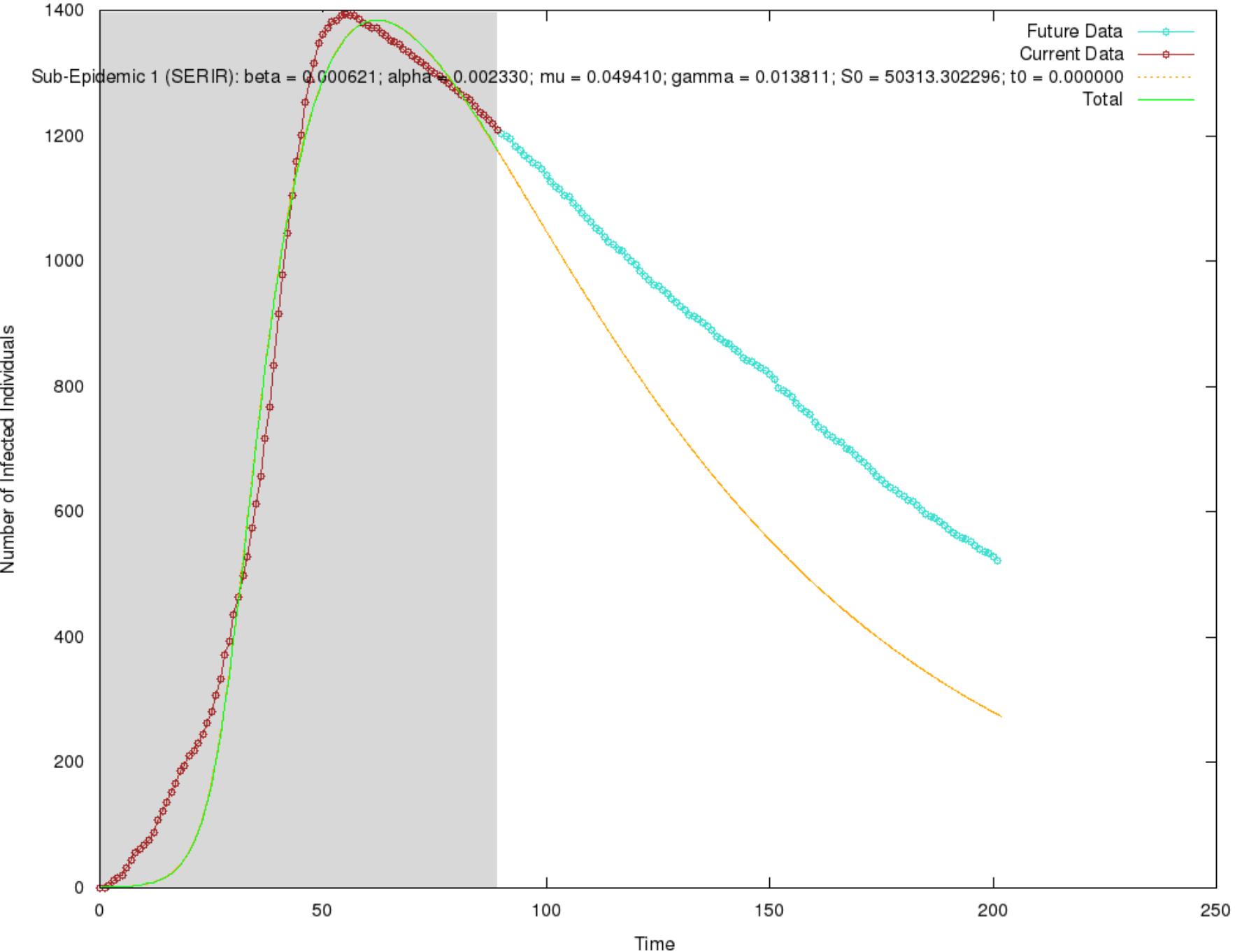
RSquare: 0.984187. Run number: 87



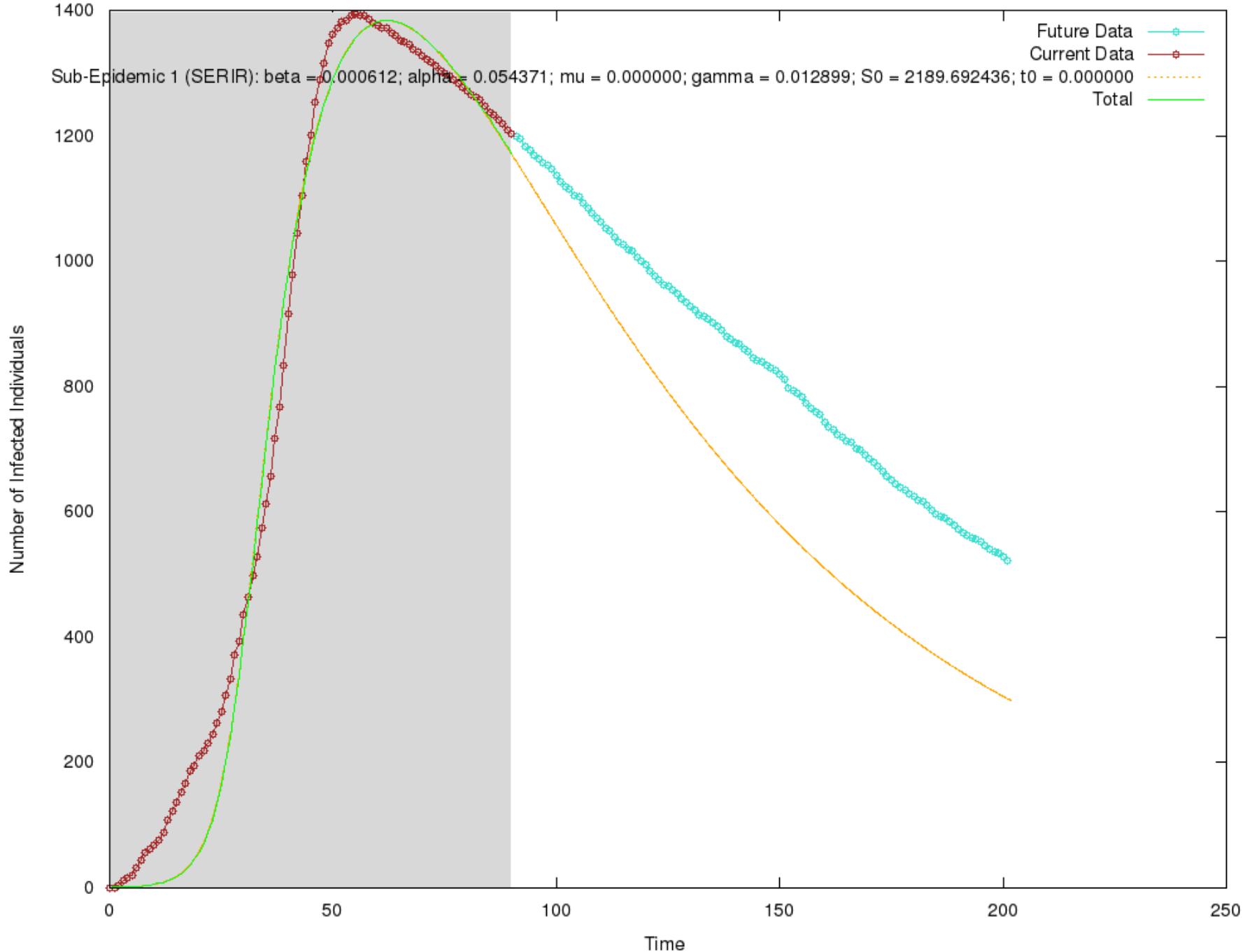
RSquare: 0.984225. Run number: 88



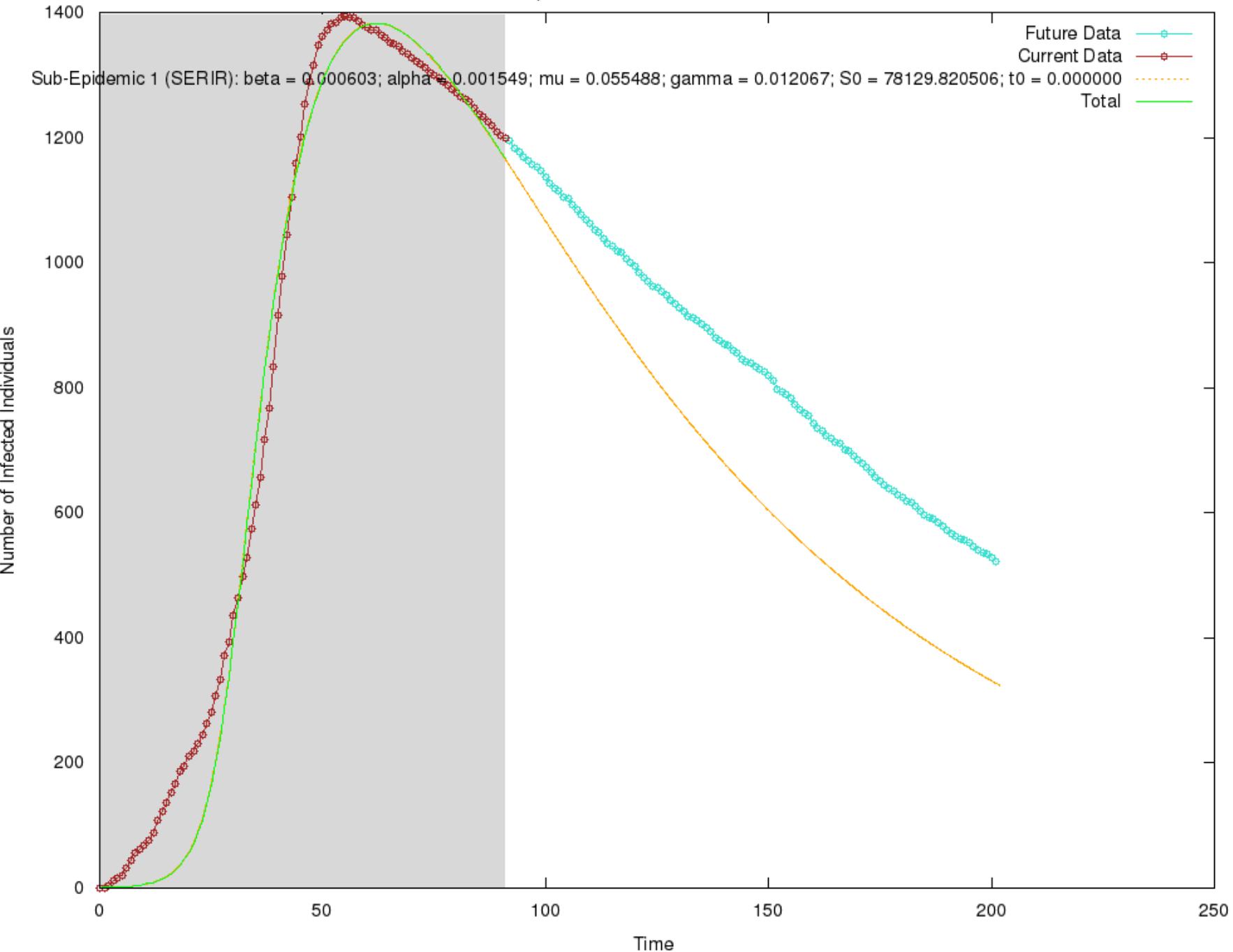
RSquare: 0.984268. Run number: 89



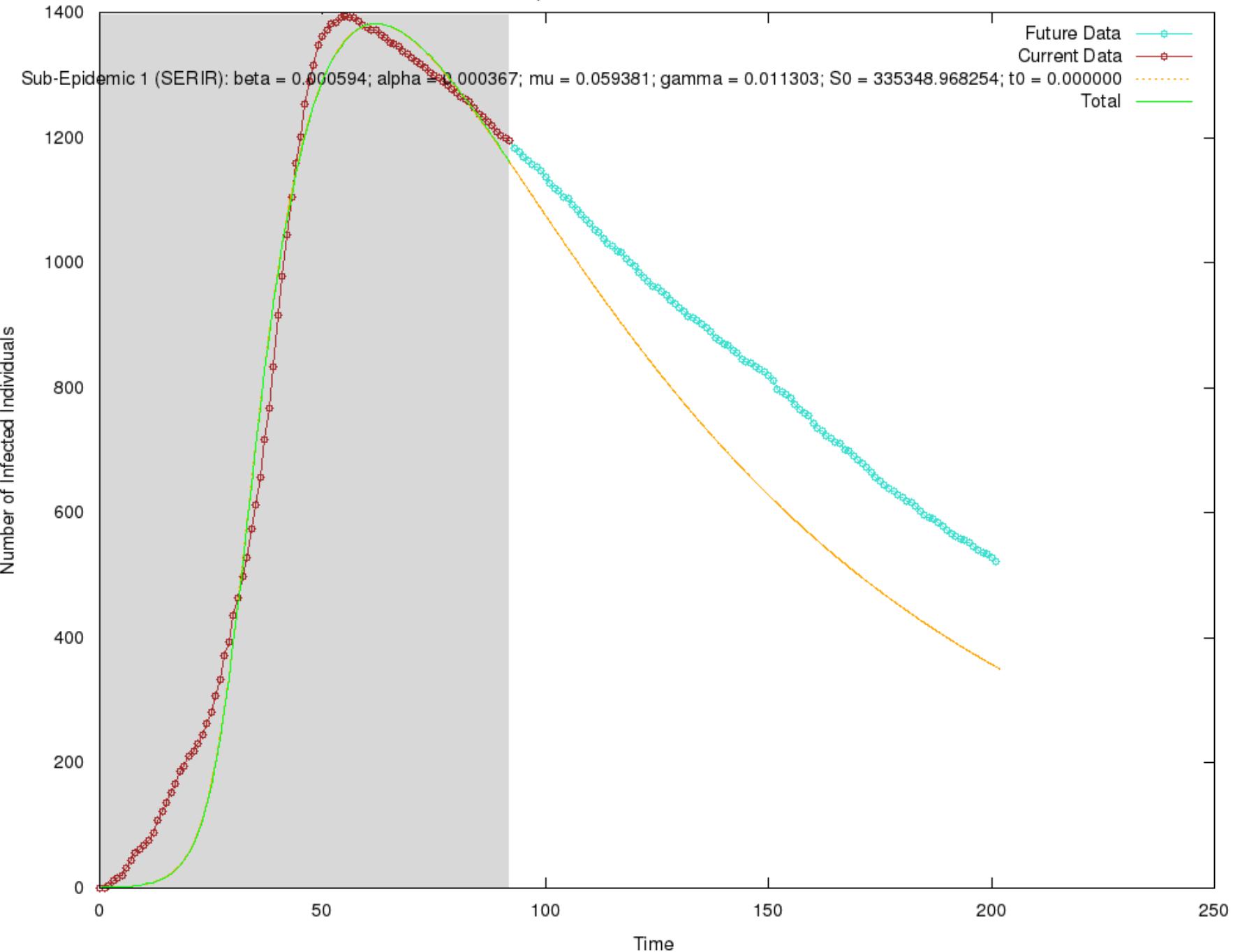
RSquare: 0.984305. Run number: 90



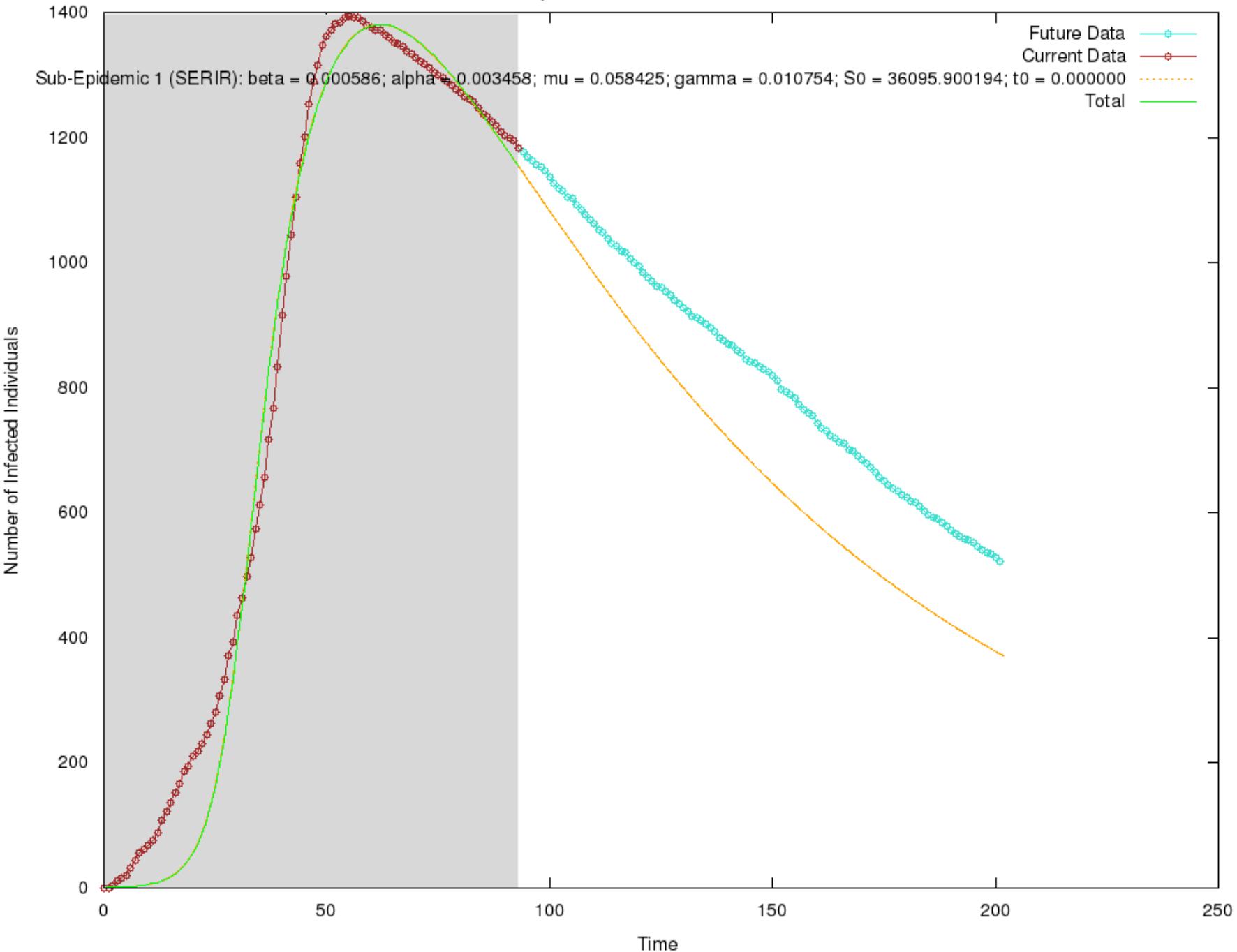
RSquare: 0.984334. Run number: 91



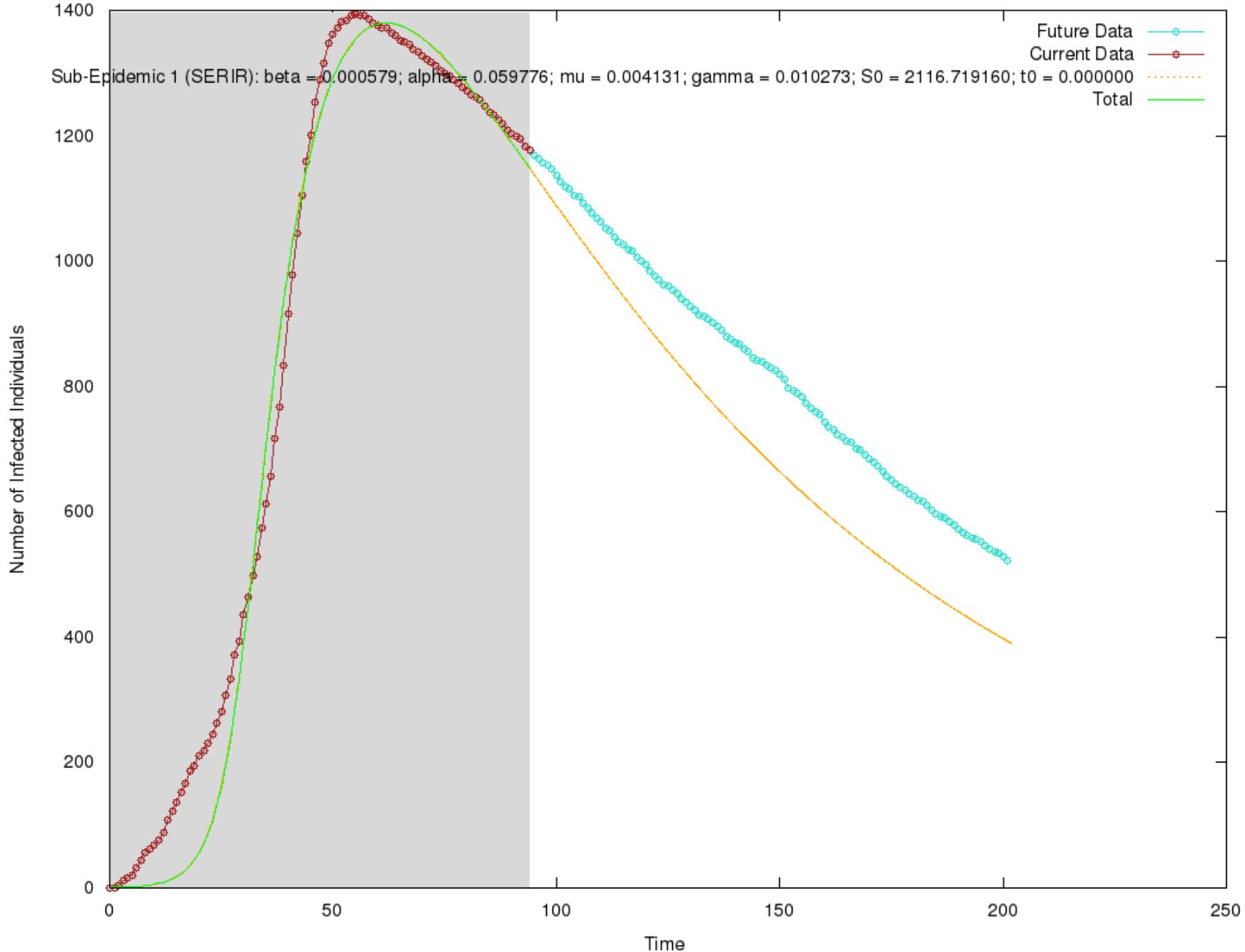
RSquare: 0.984353. Run number: 92



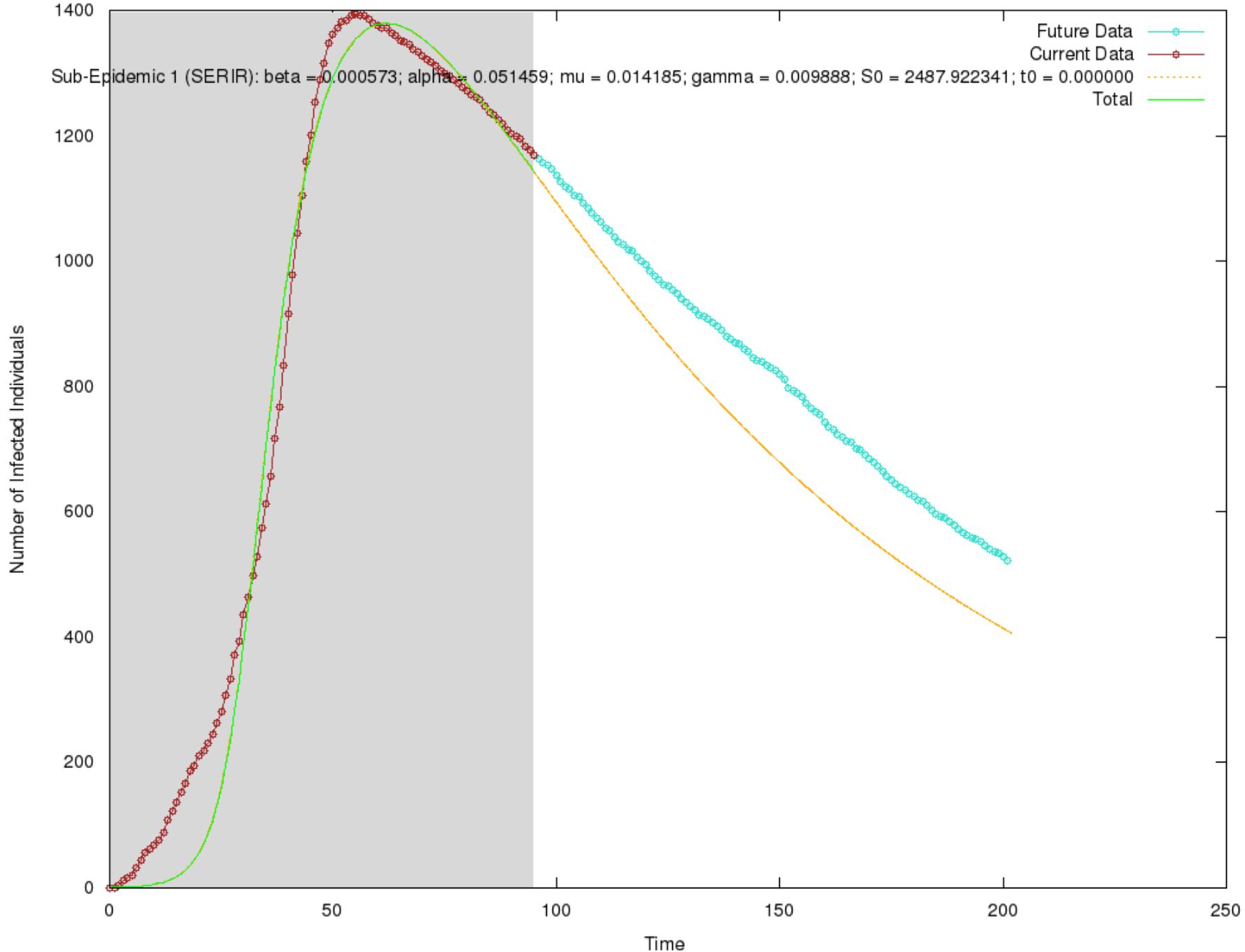
RSquare: 0.984384. Run number: 93



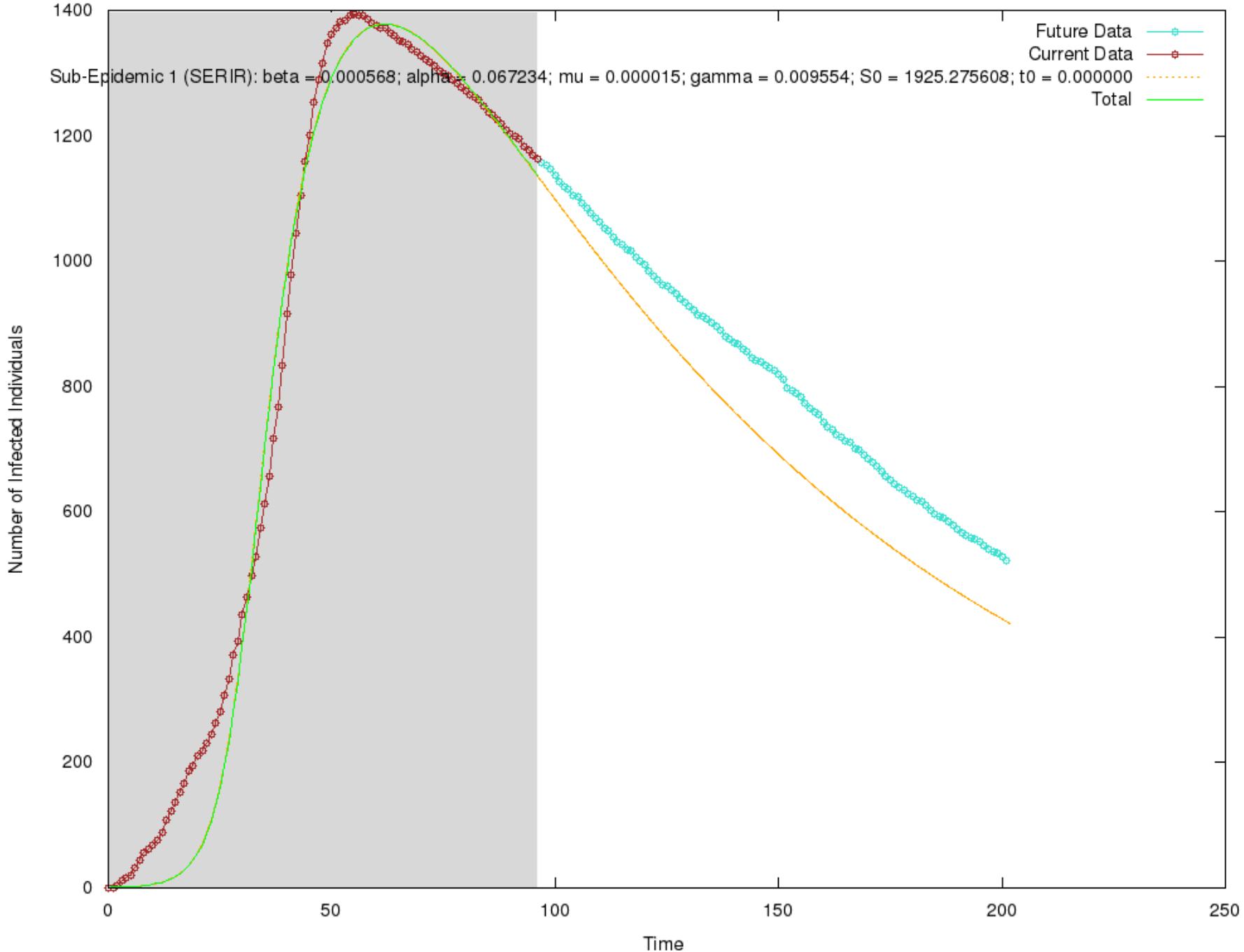
RSquare: 0.984412. Run number: 94



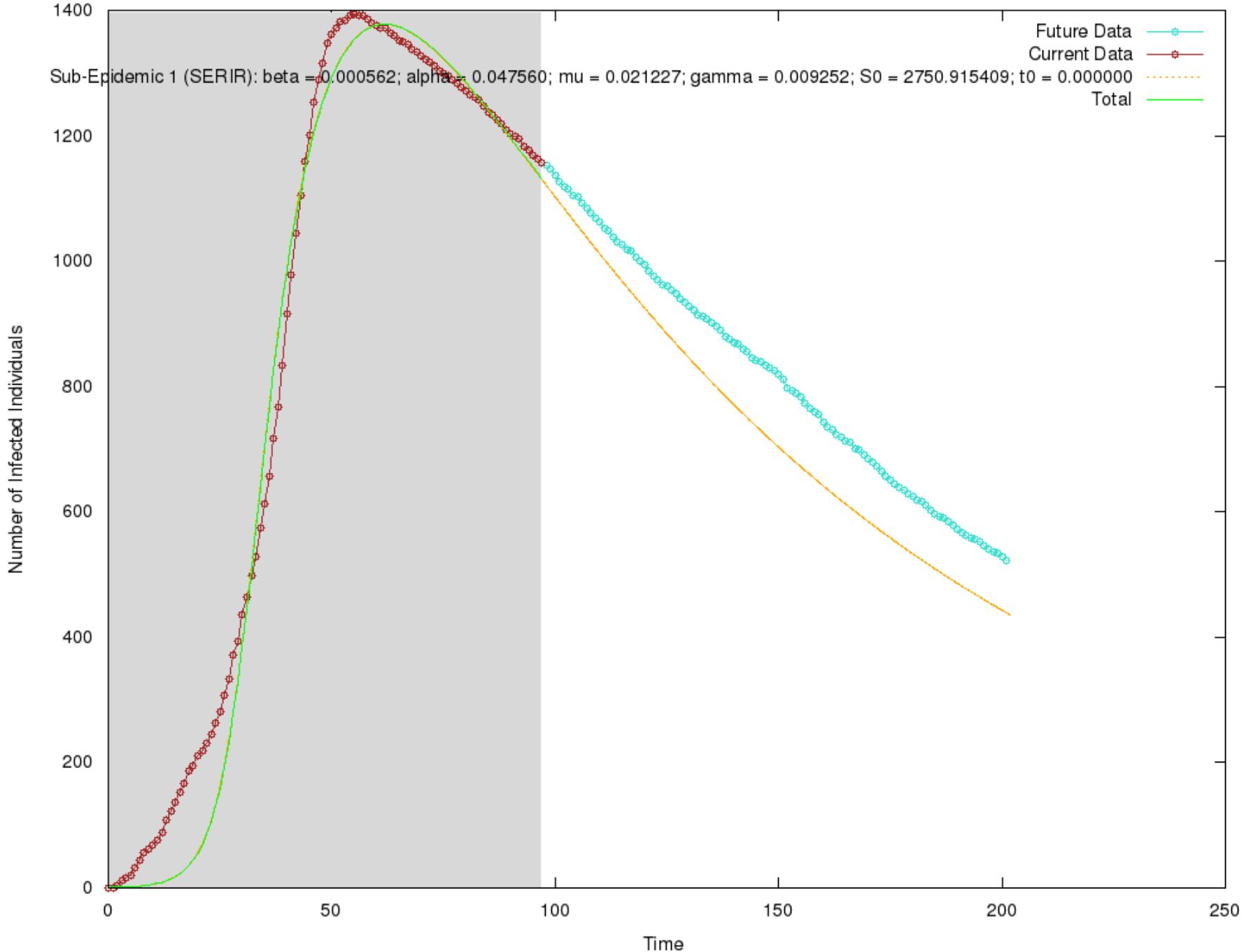
RSquare: 0.984441. Run number: 95



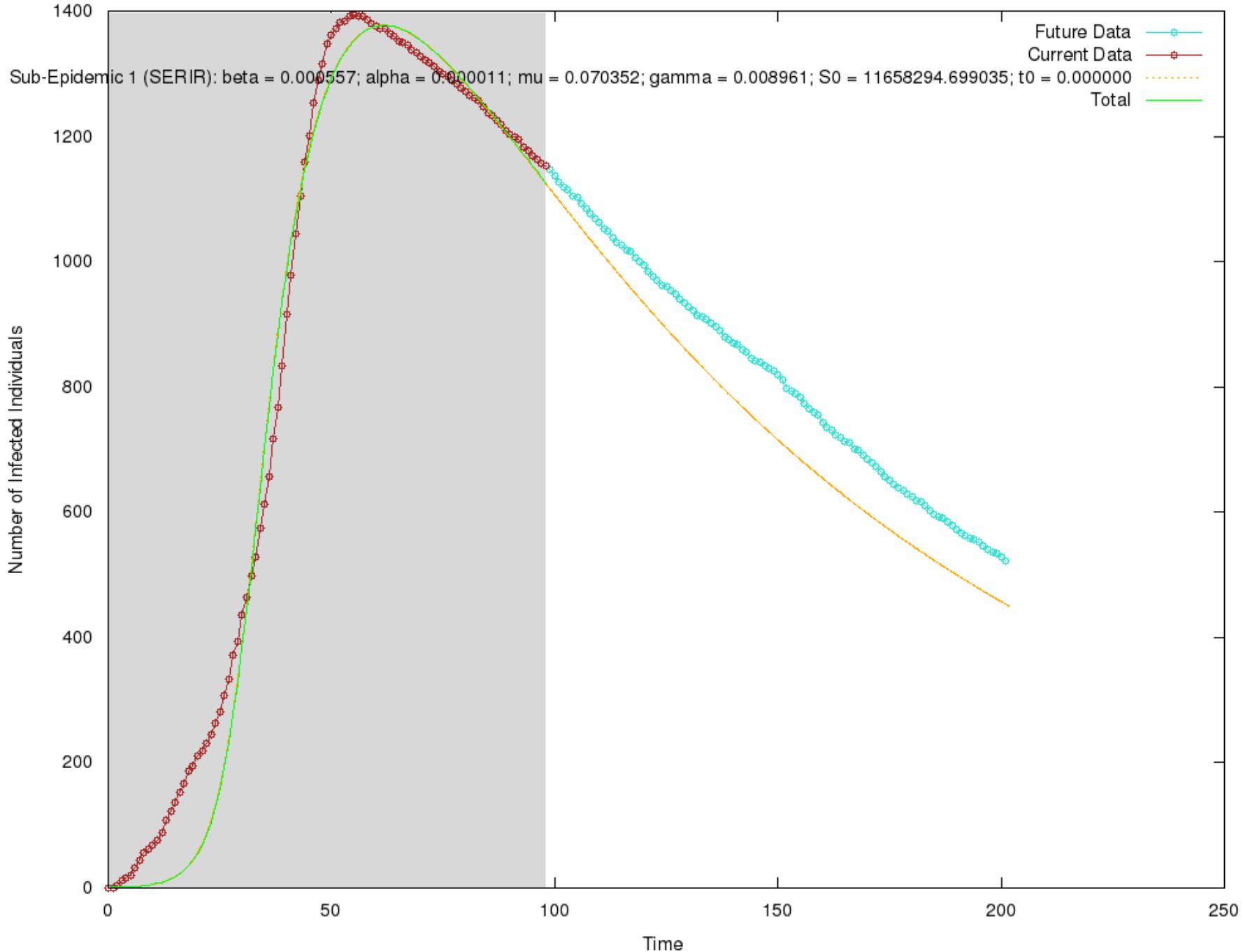
RSquare: 0.984469. Run number: 96



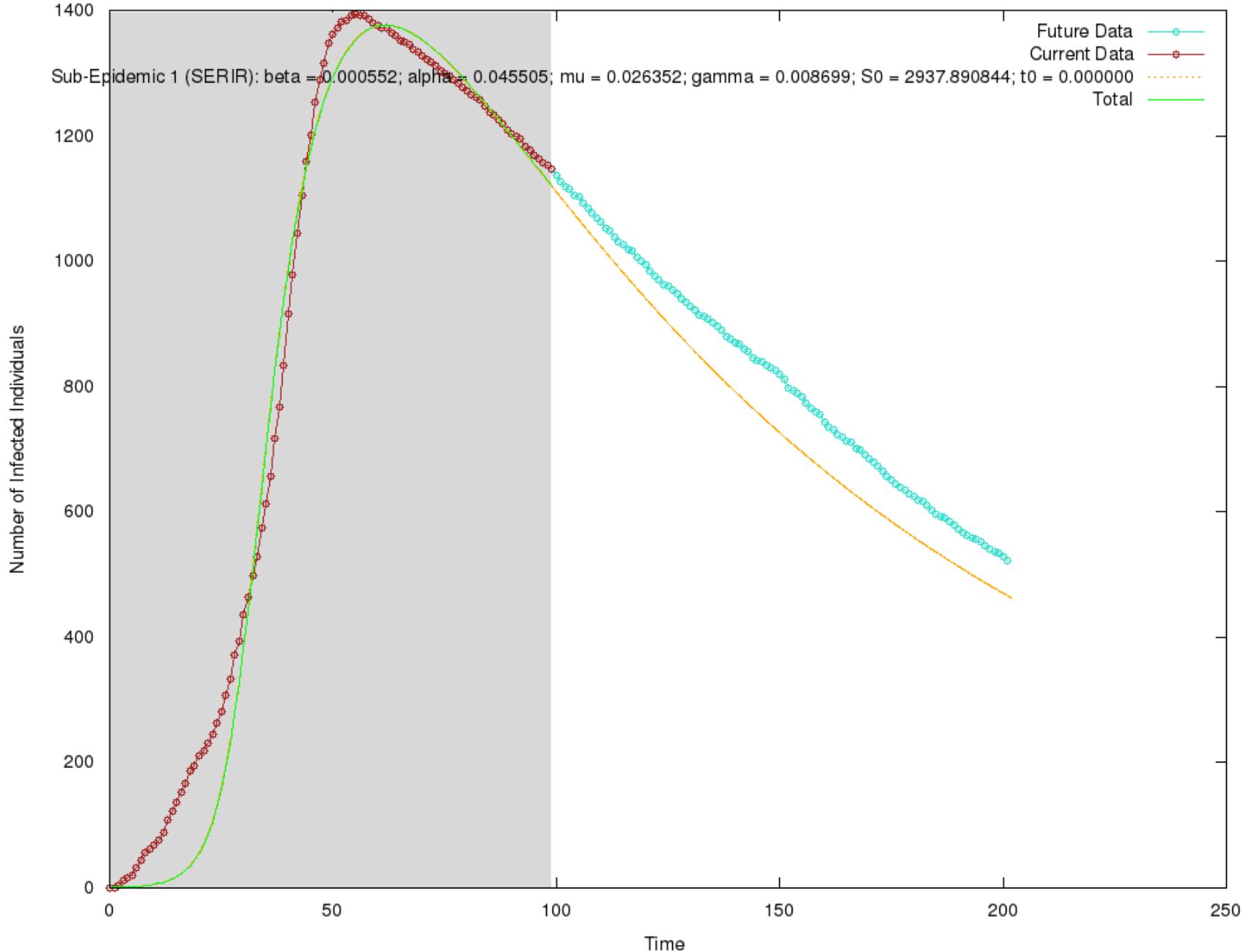
RSquare: 0.984494. Run number: 97



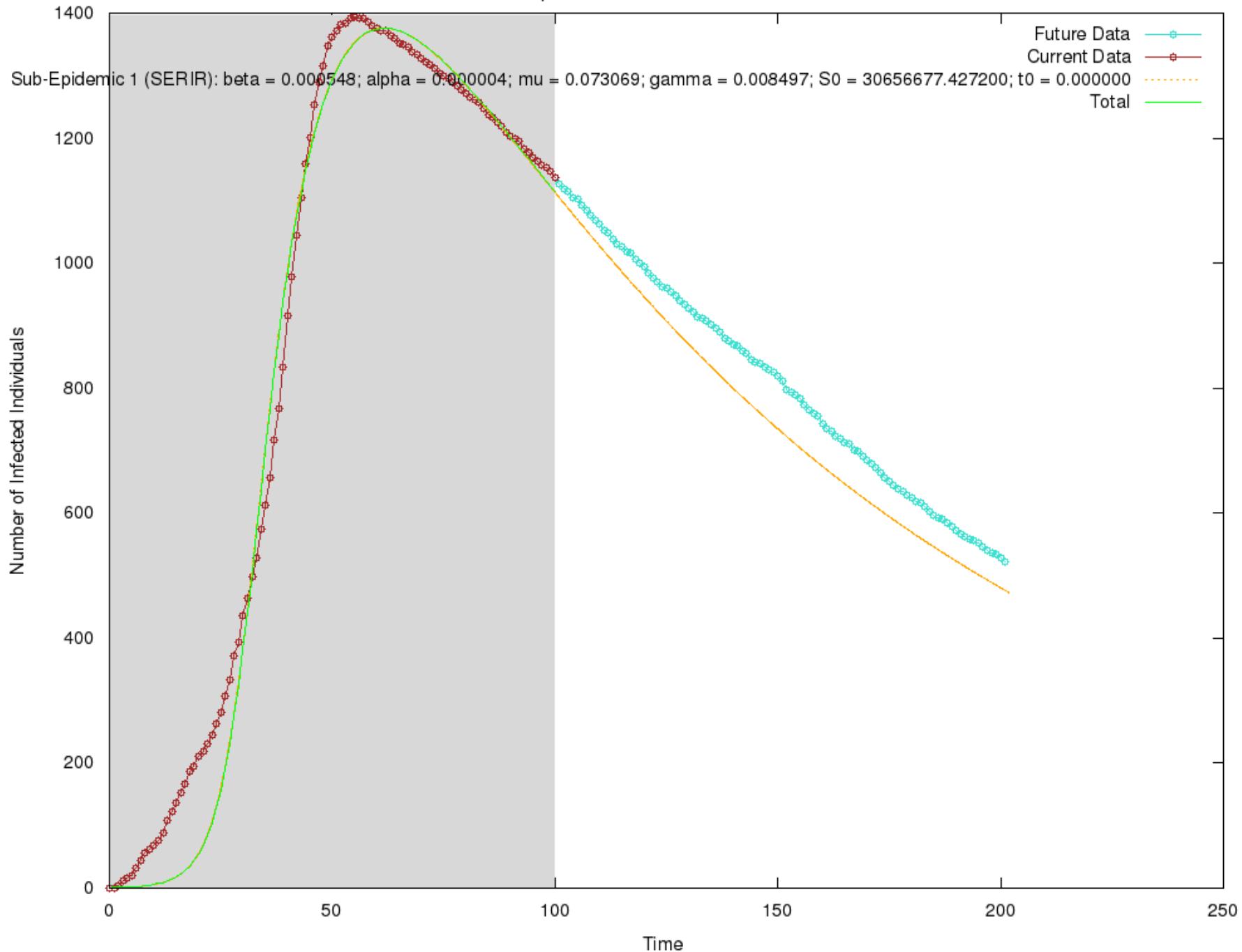
RSquare: 0.984513. Run number: 98



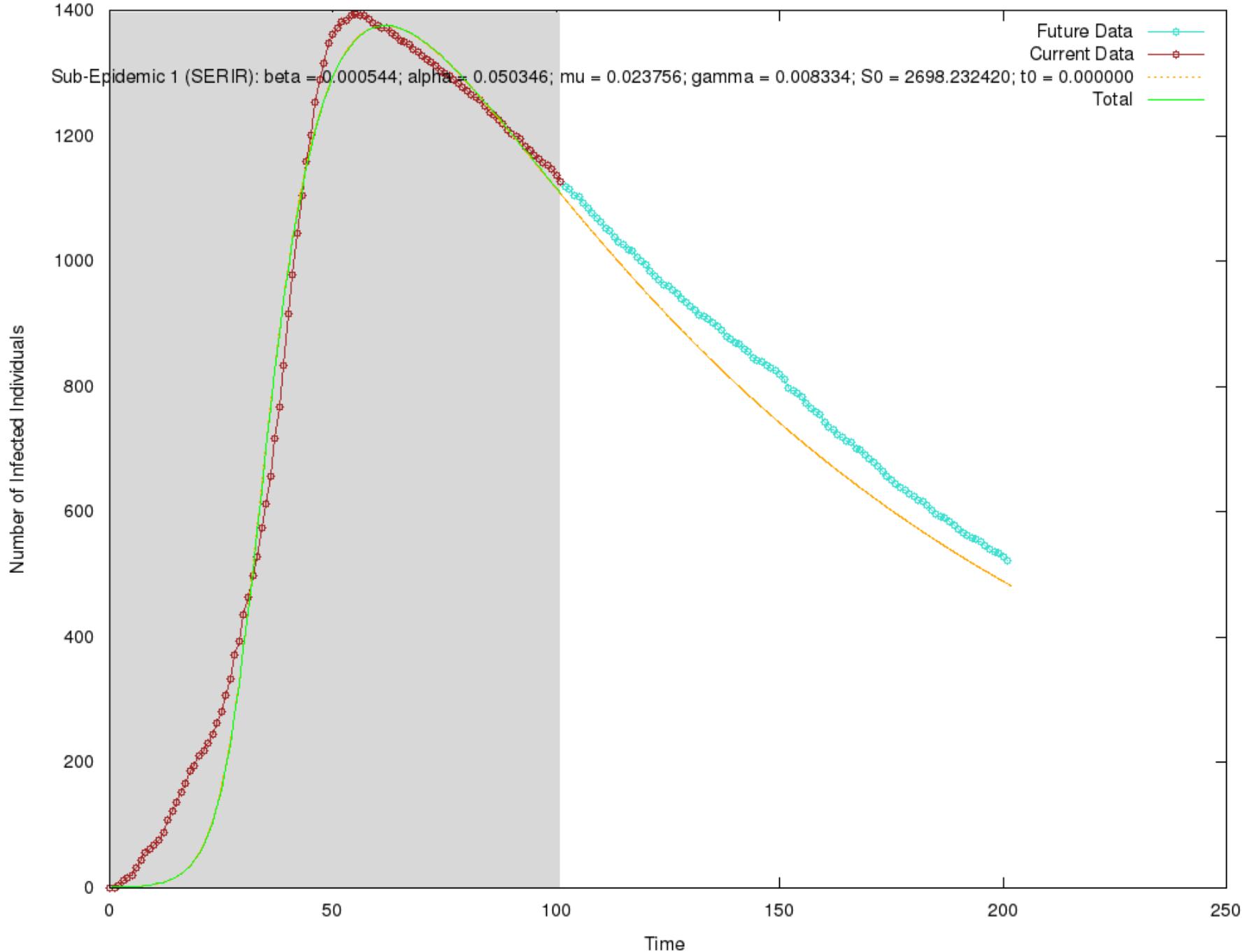
RSquare: 0.984530. Run number: 99



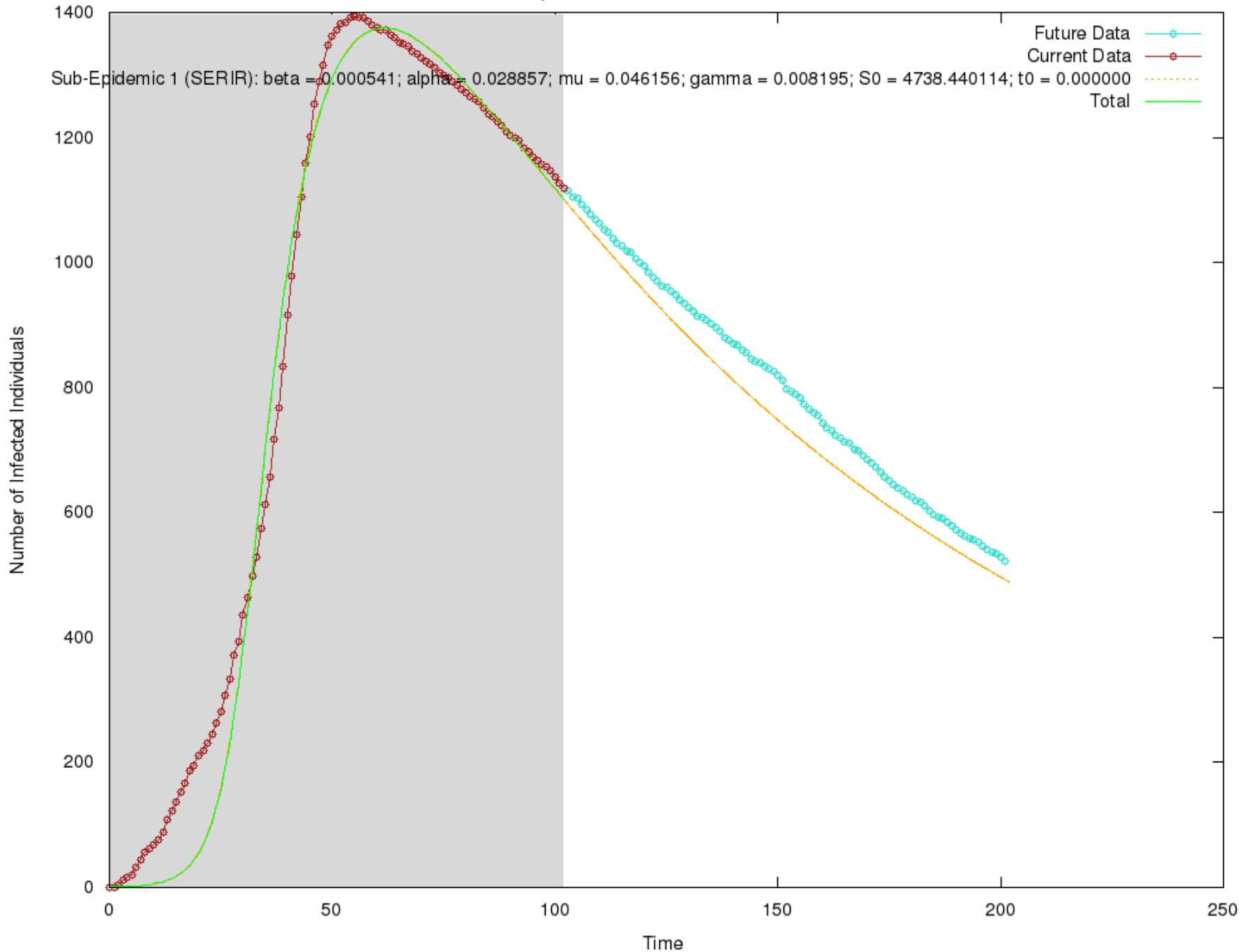
RSquare: 0.984551. Run number: 100



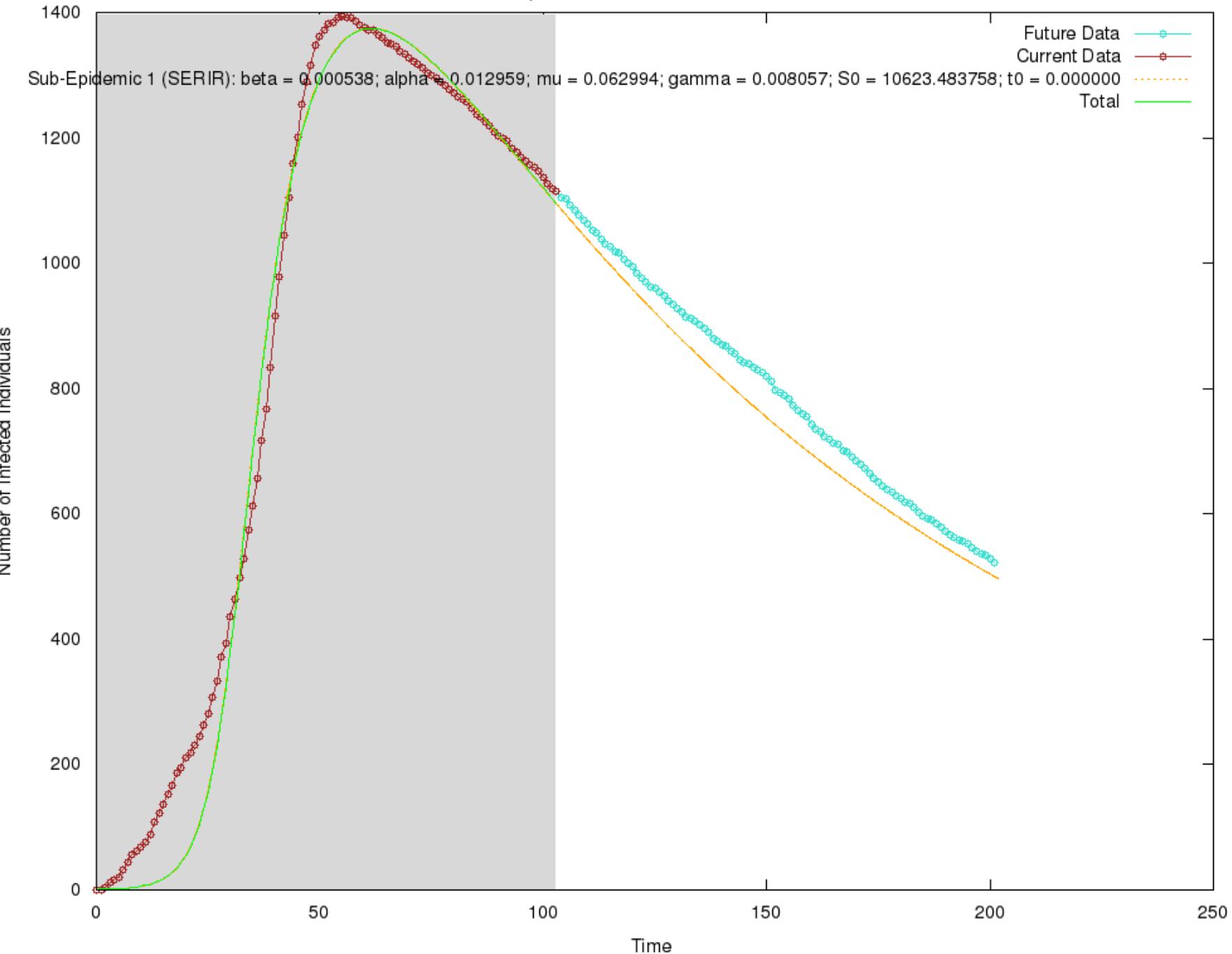
RSquare: 0.984572. Run number: 101



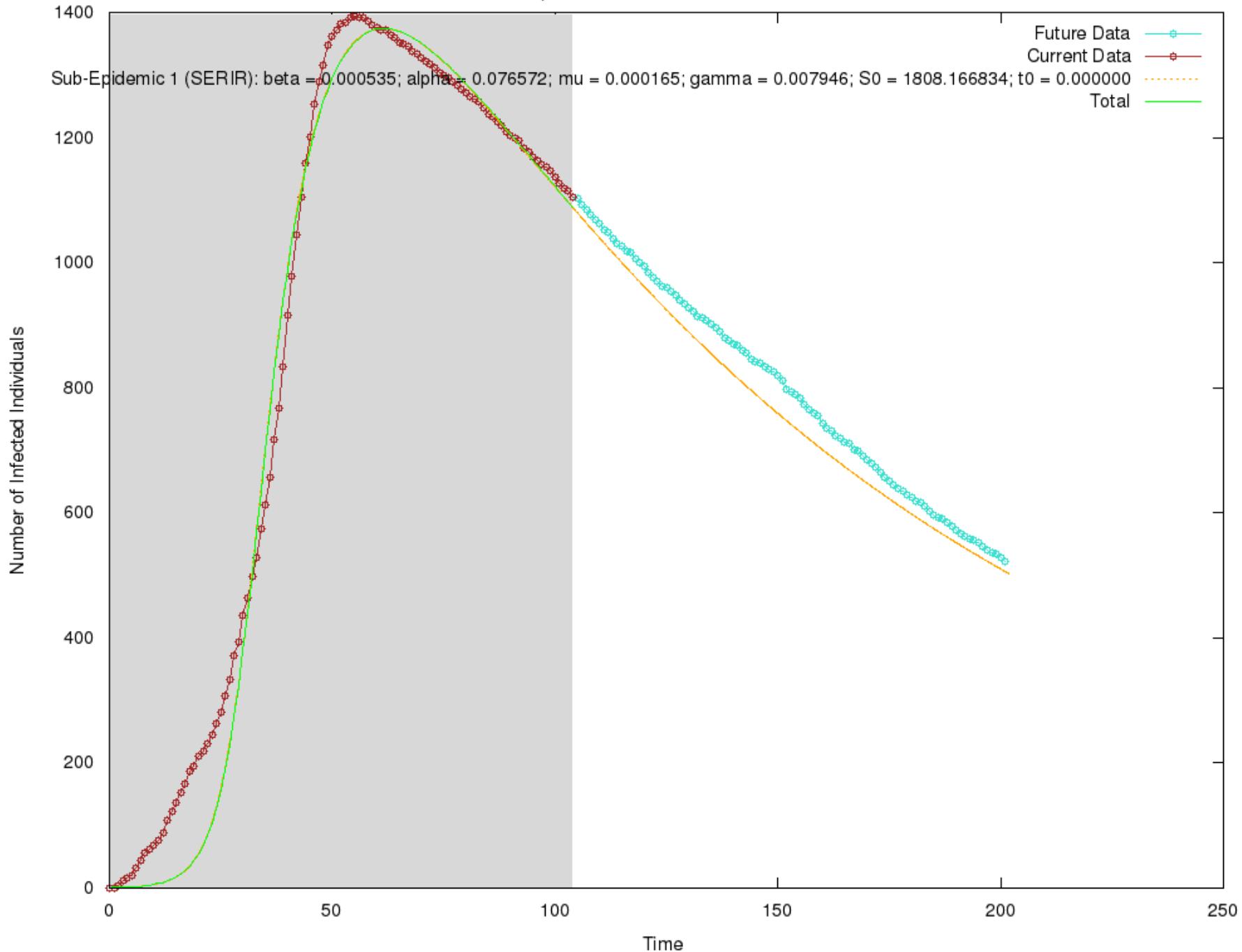
RSquare: 0.984594. Run number: 102



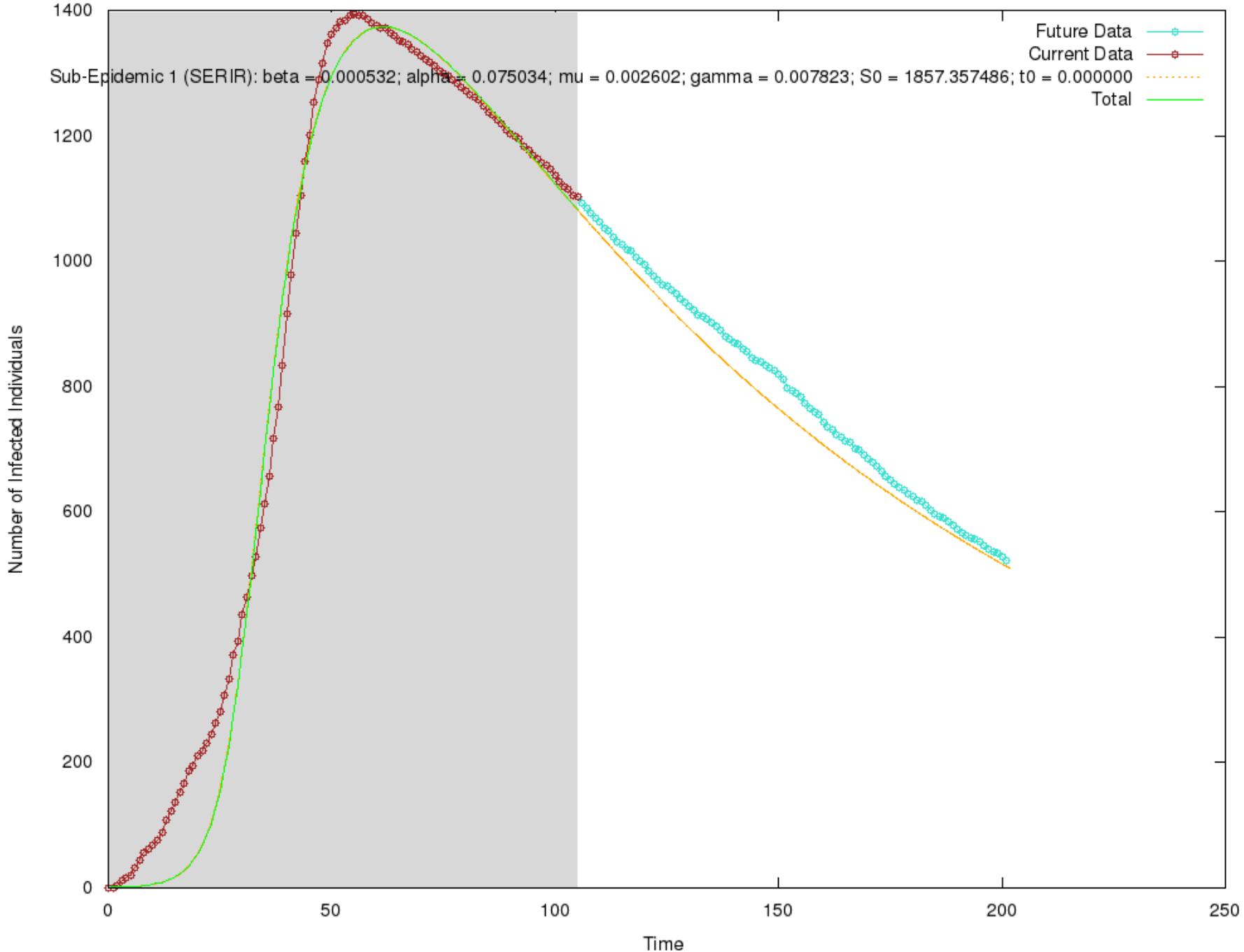
RSquare: 0.984611. Run number: 103



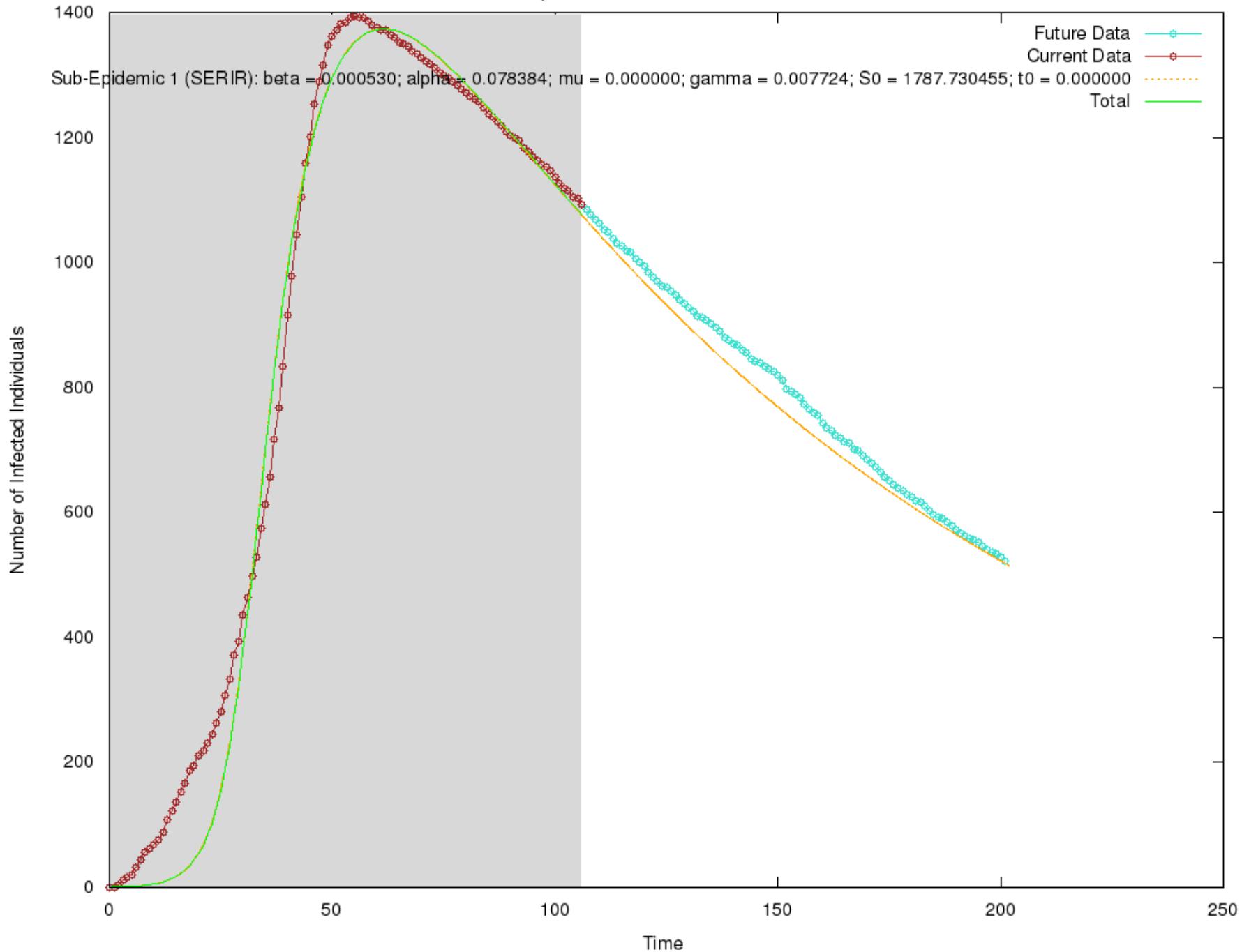
RSquare: 0.984629. Run number: 104



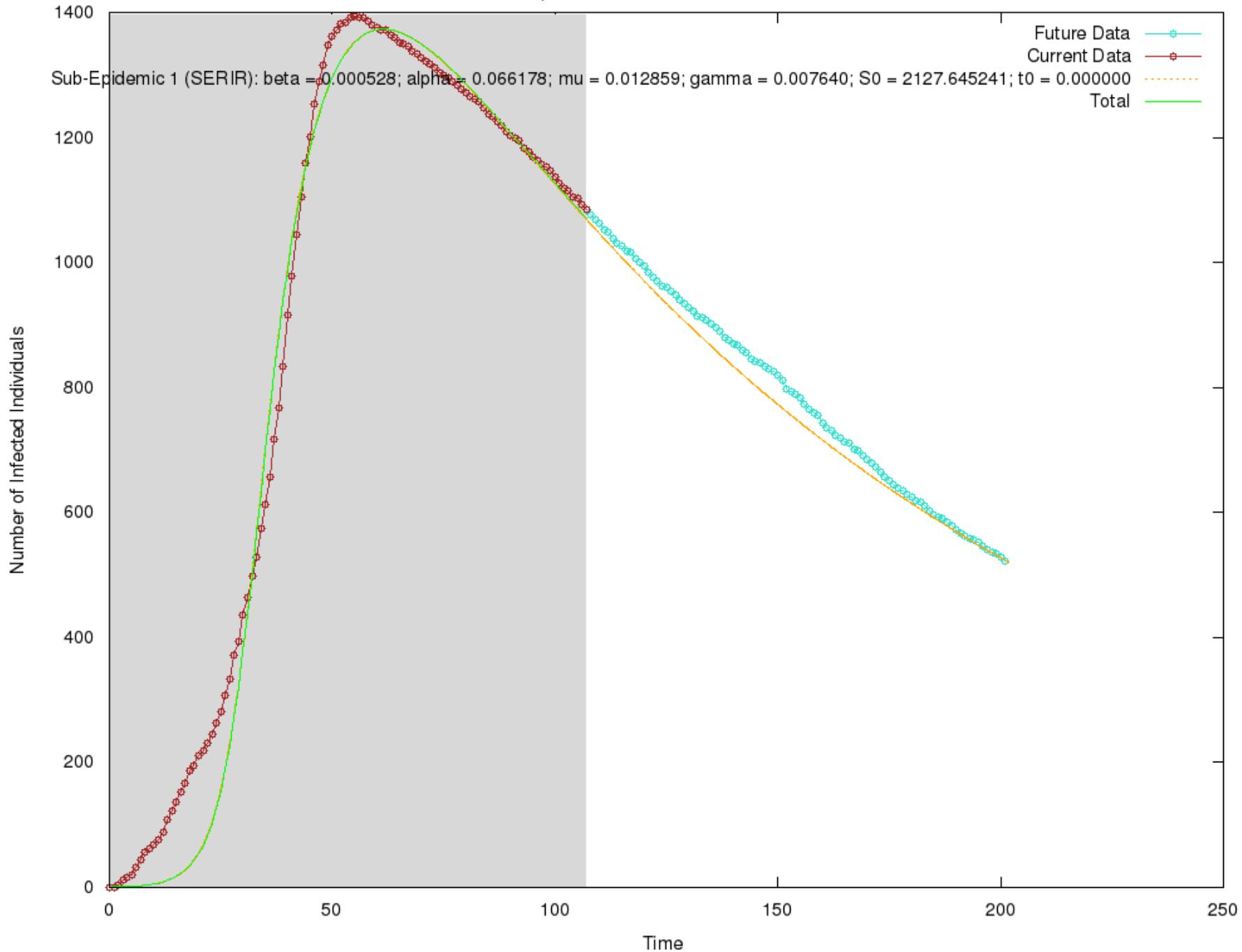
RSquare: 0.984642. Run number: 105



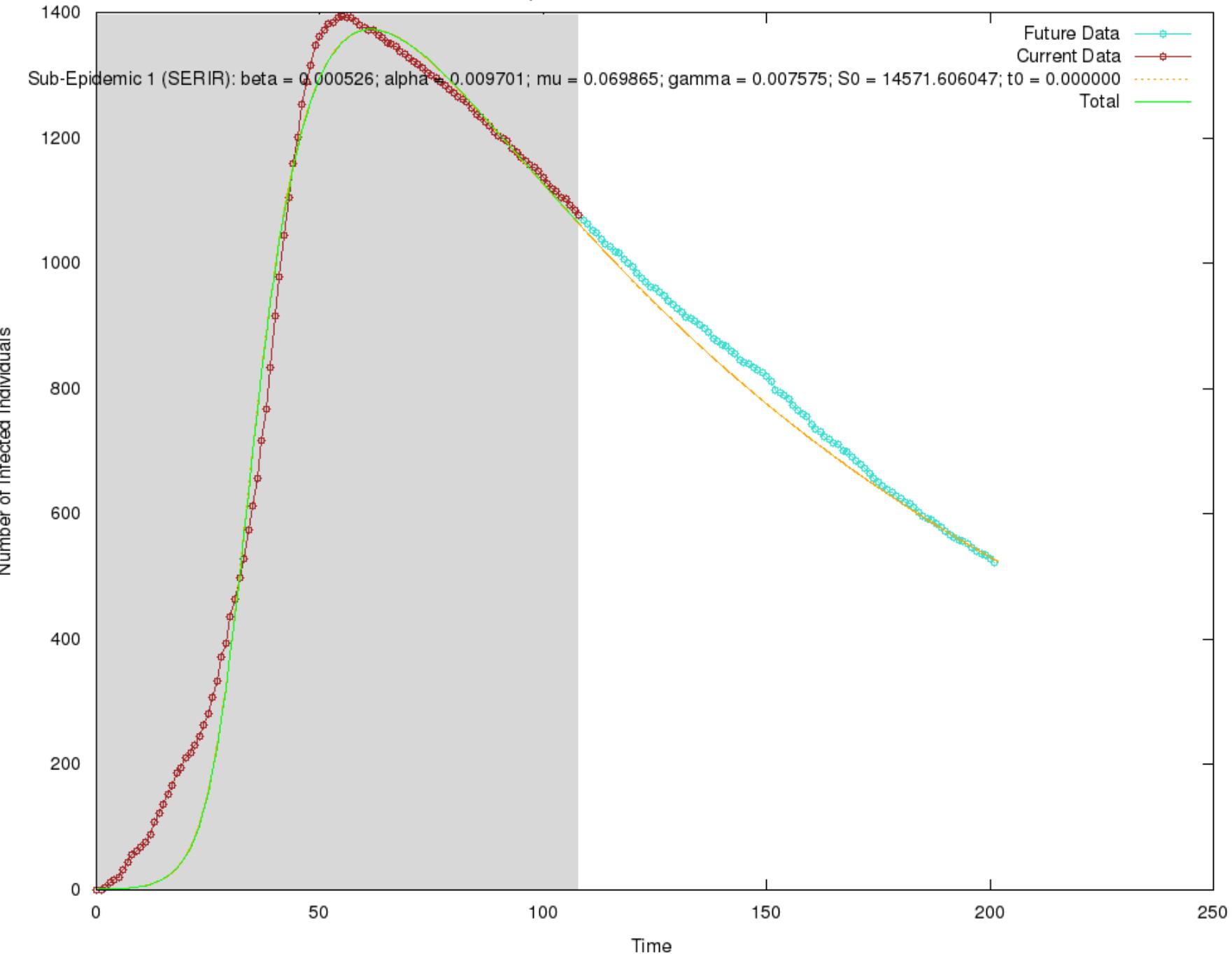
RSquare: 0.984656. Run number: 106



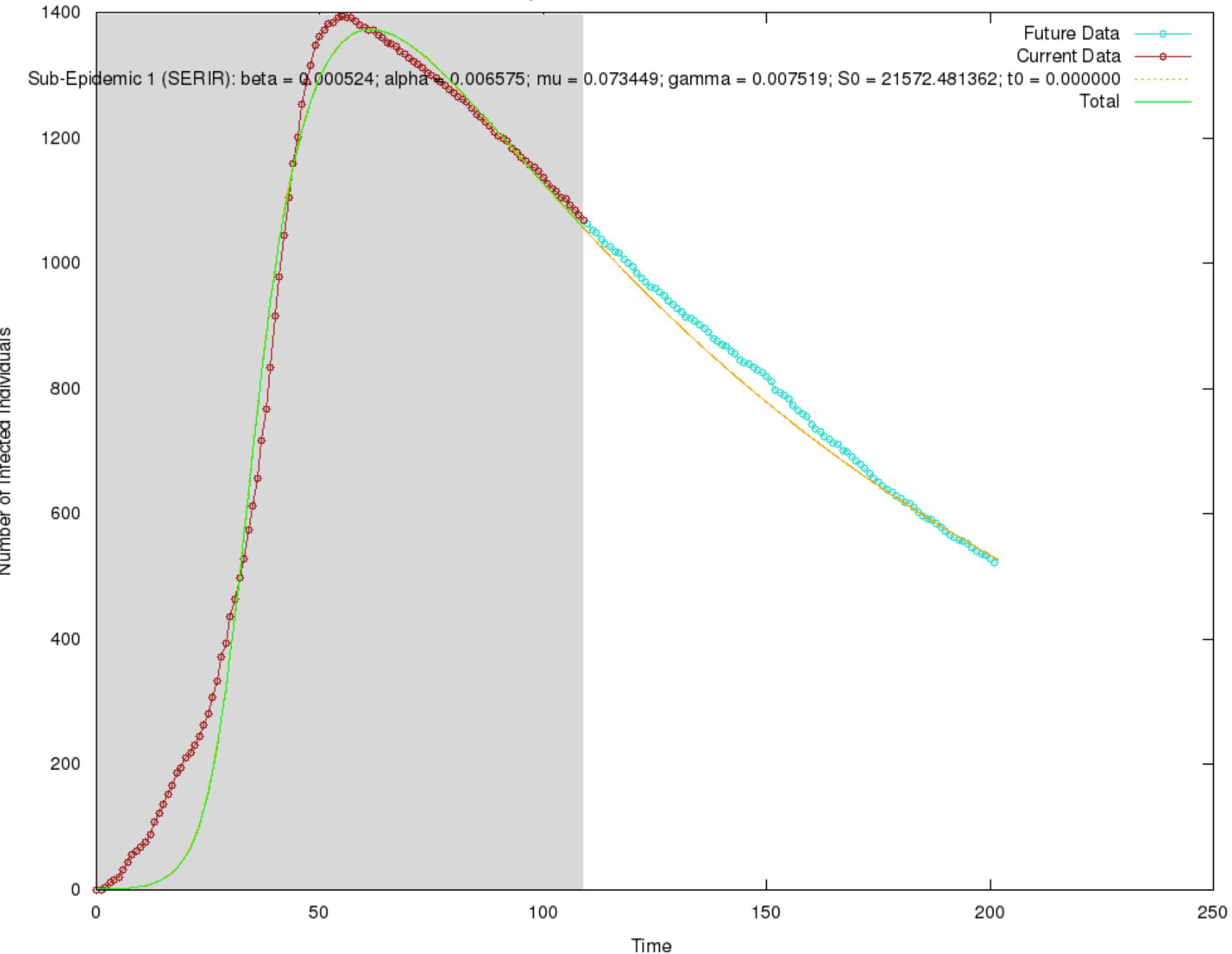
RSquare: 0.984669. Run number: 107



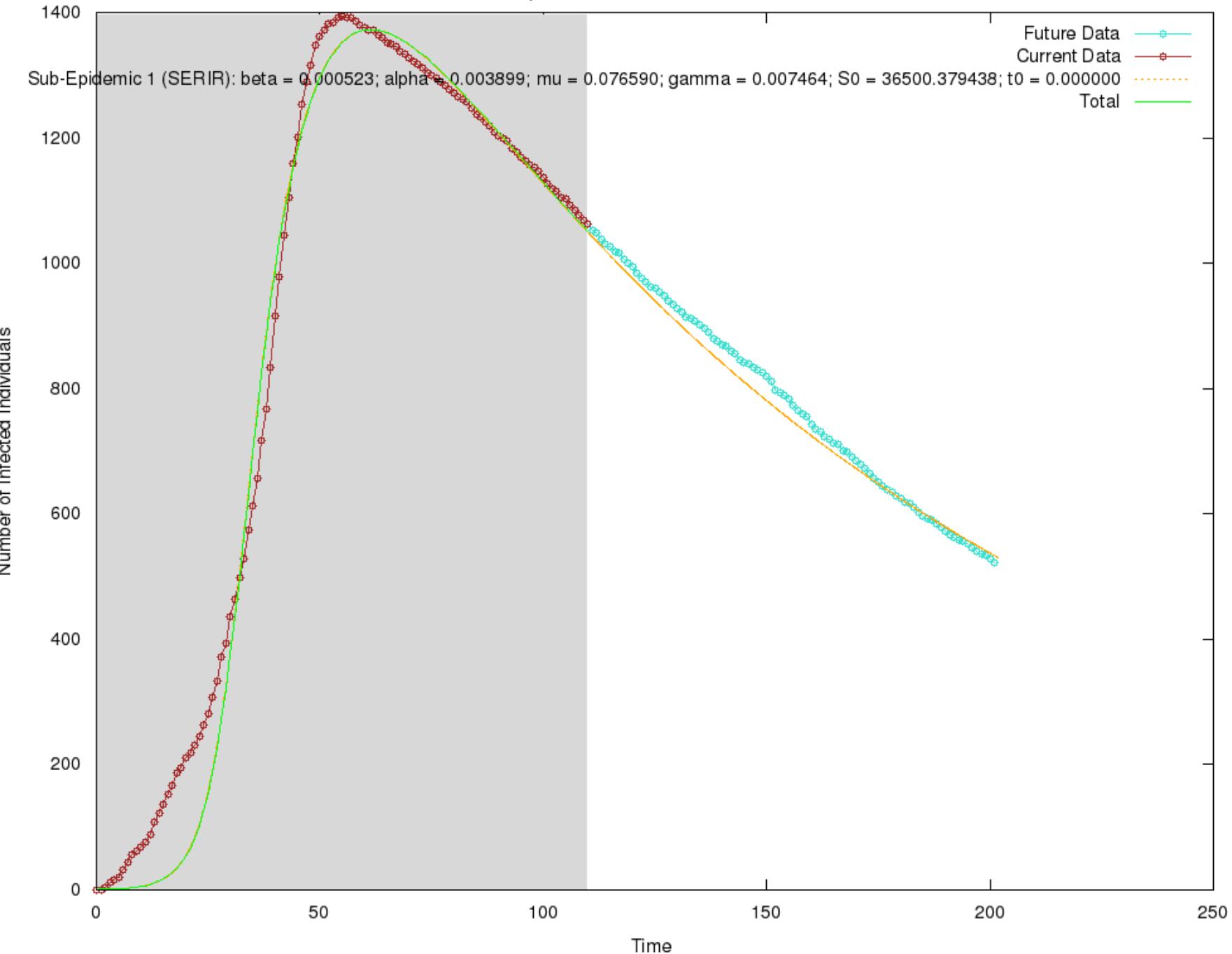
RSquare: 0.984683. Run number: 108



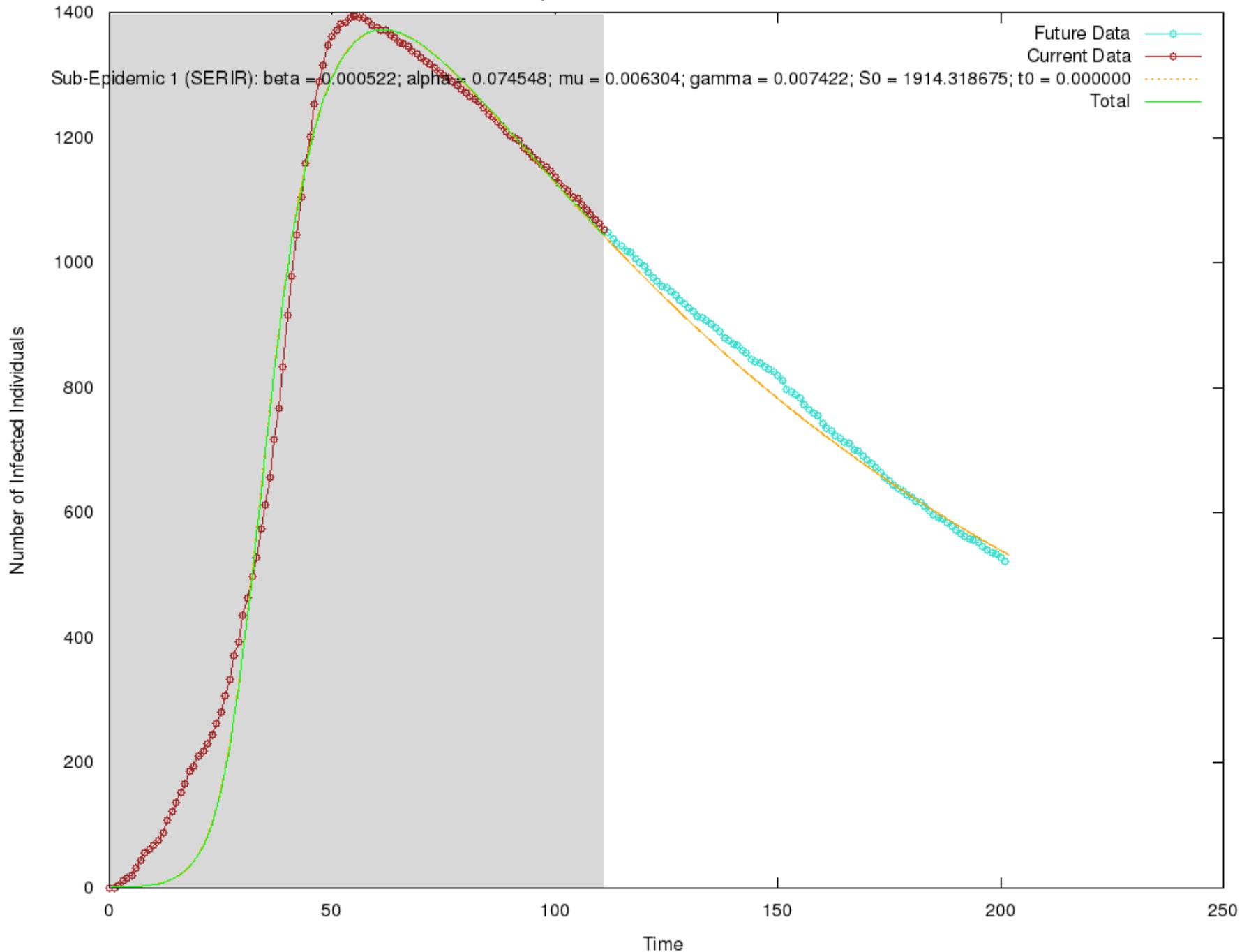
RSquare: 0.984696. Run number: 109



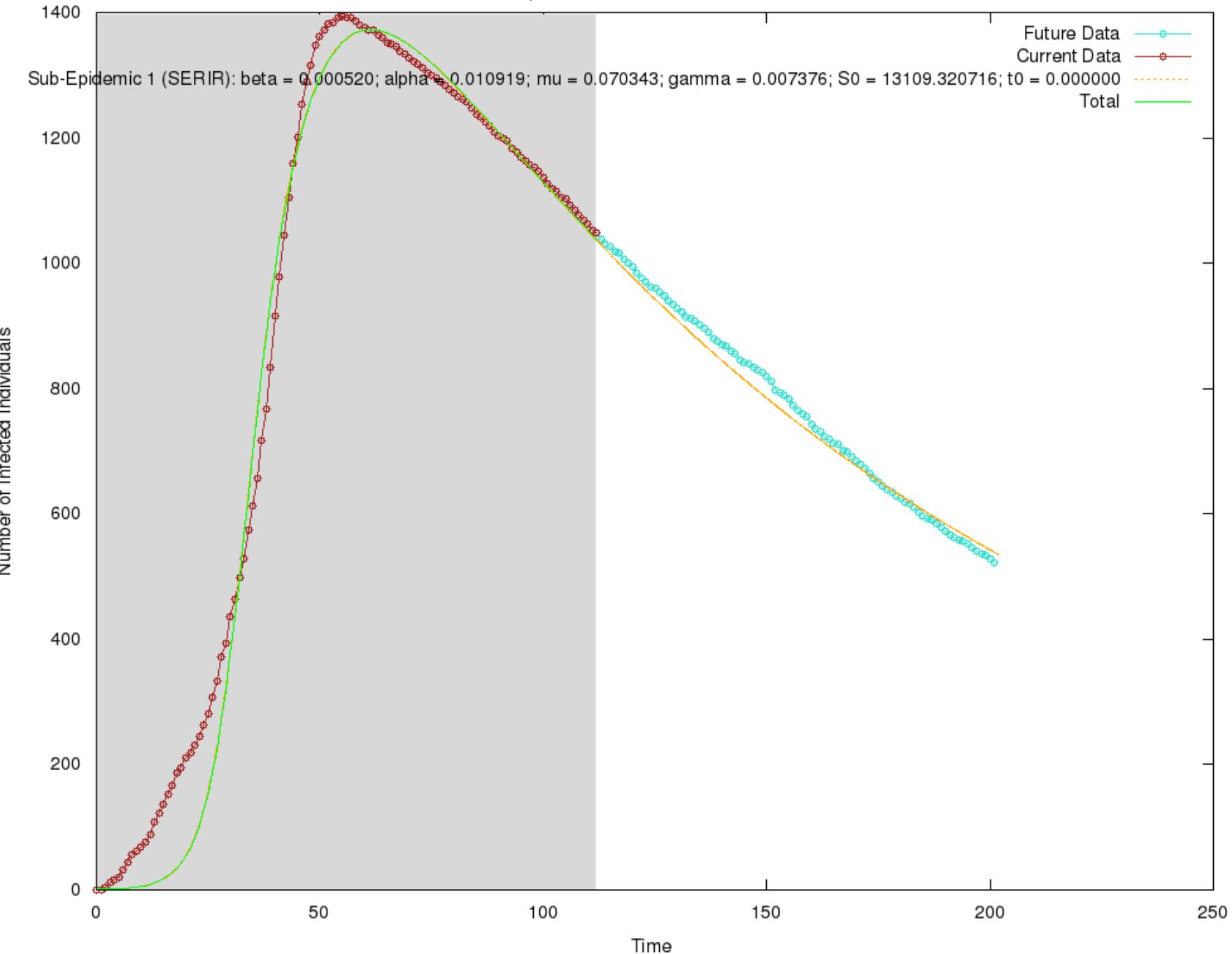
RSquare: 0.984707. Run number: 110



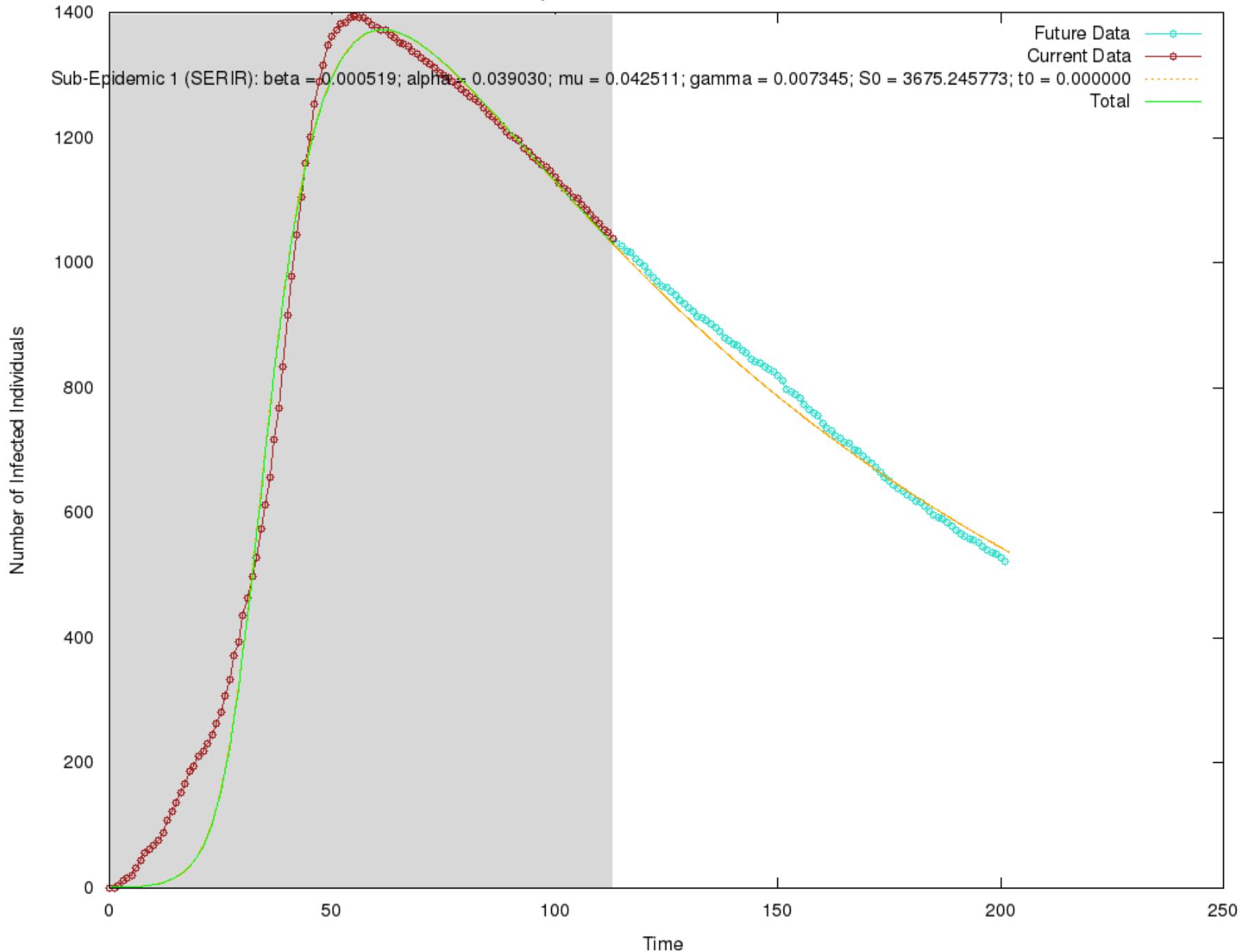
RSquare: 0.984719. Run number: 111



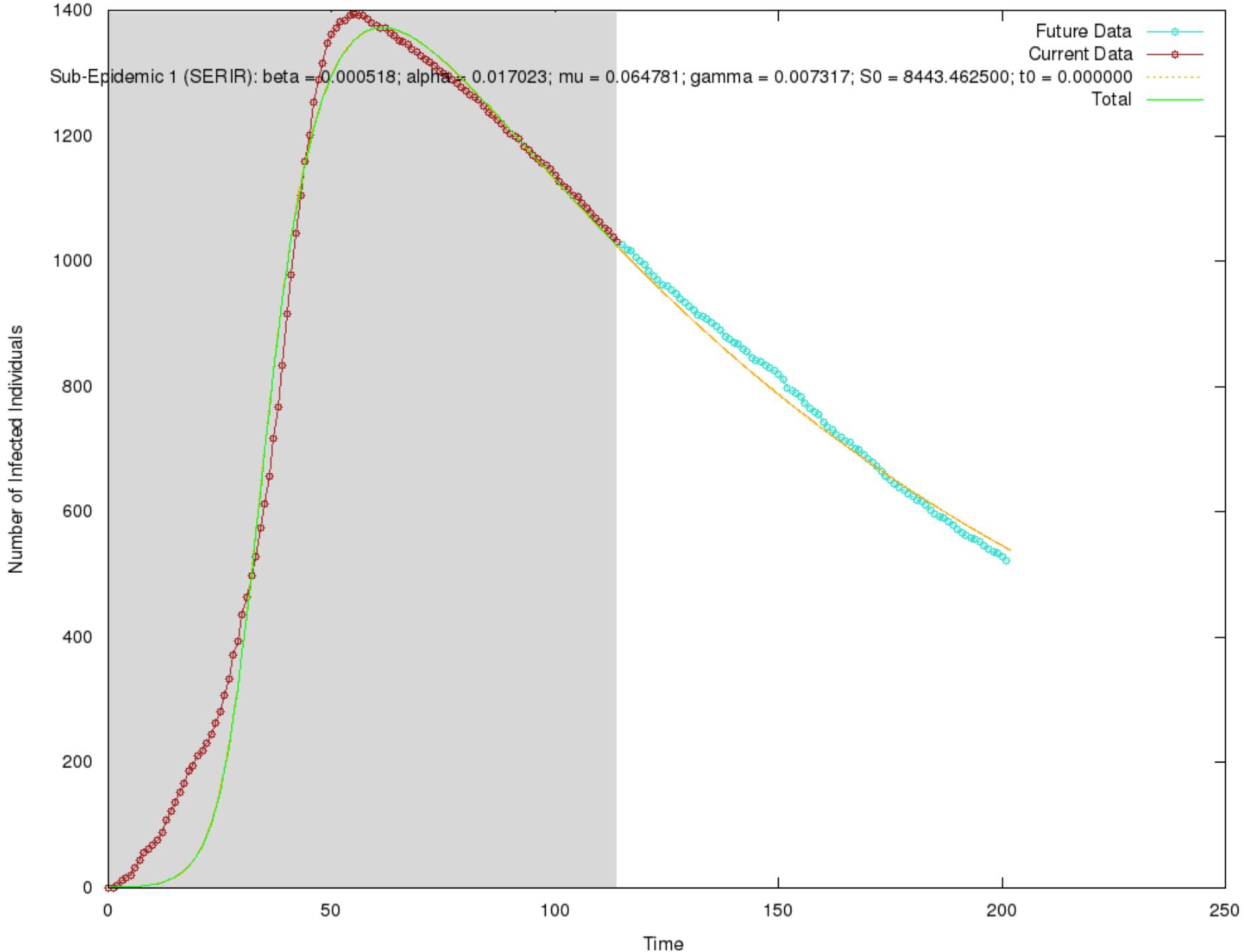
RSquare: 0.984727. Run number: 112



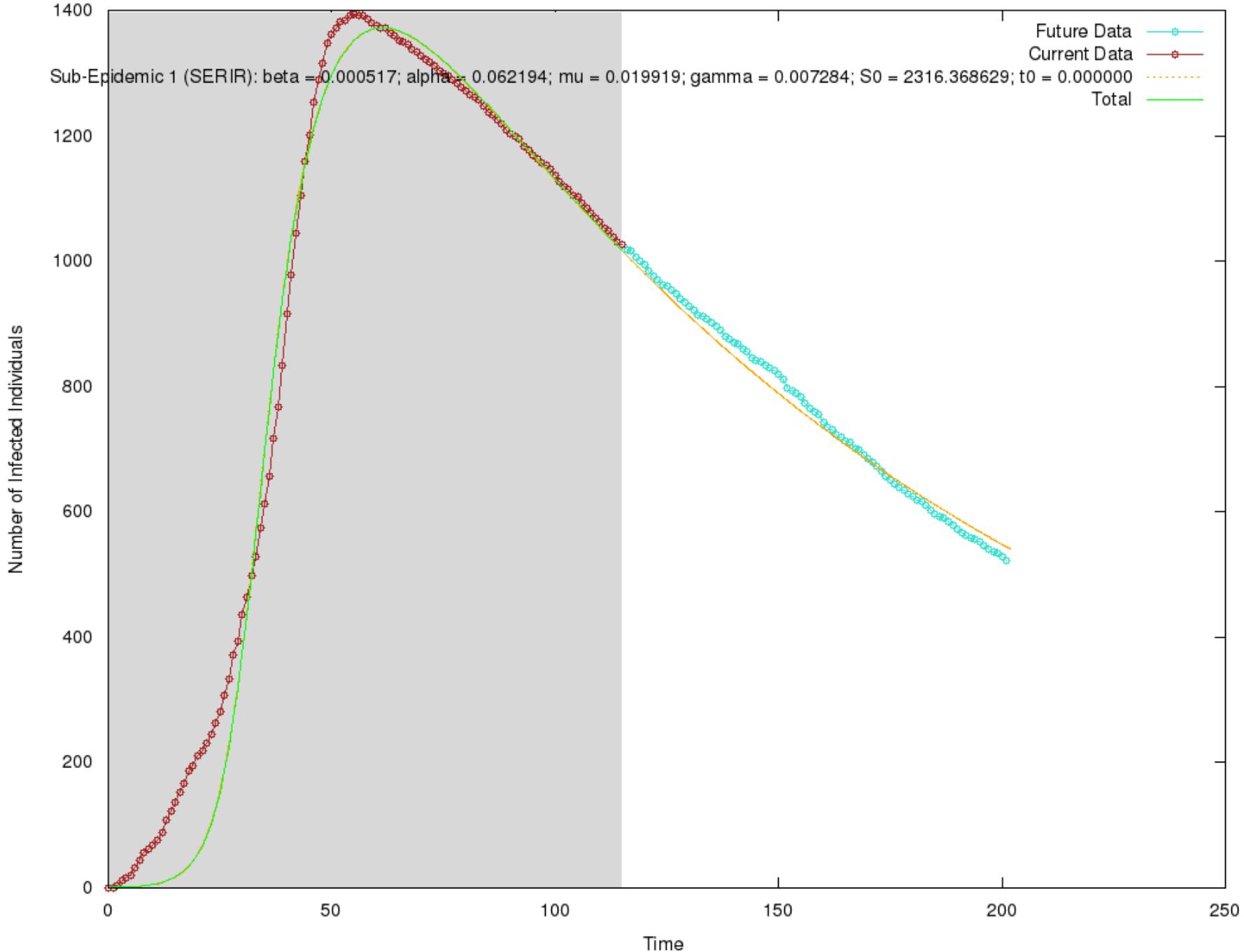
RSquare: 0.984737. Run number: 113



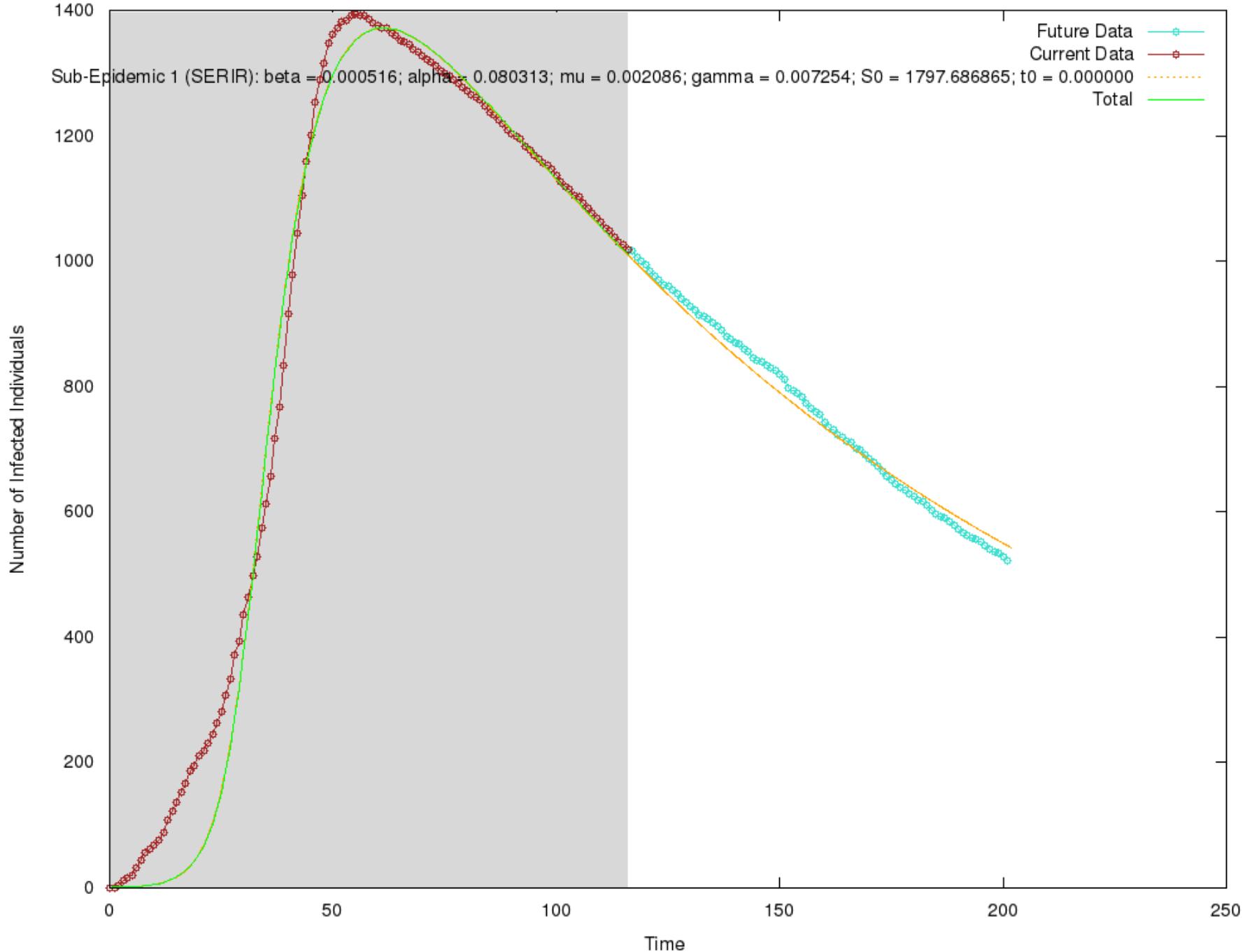
RSquare: 0.984745. Run number: 114



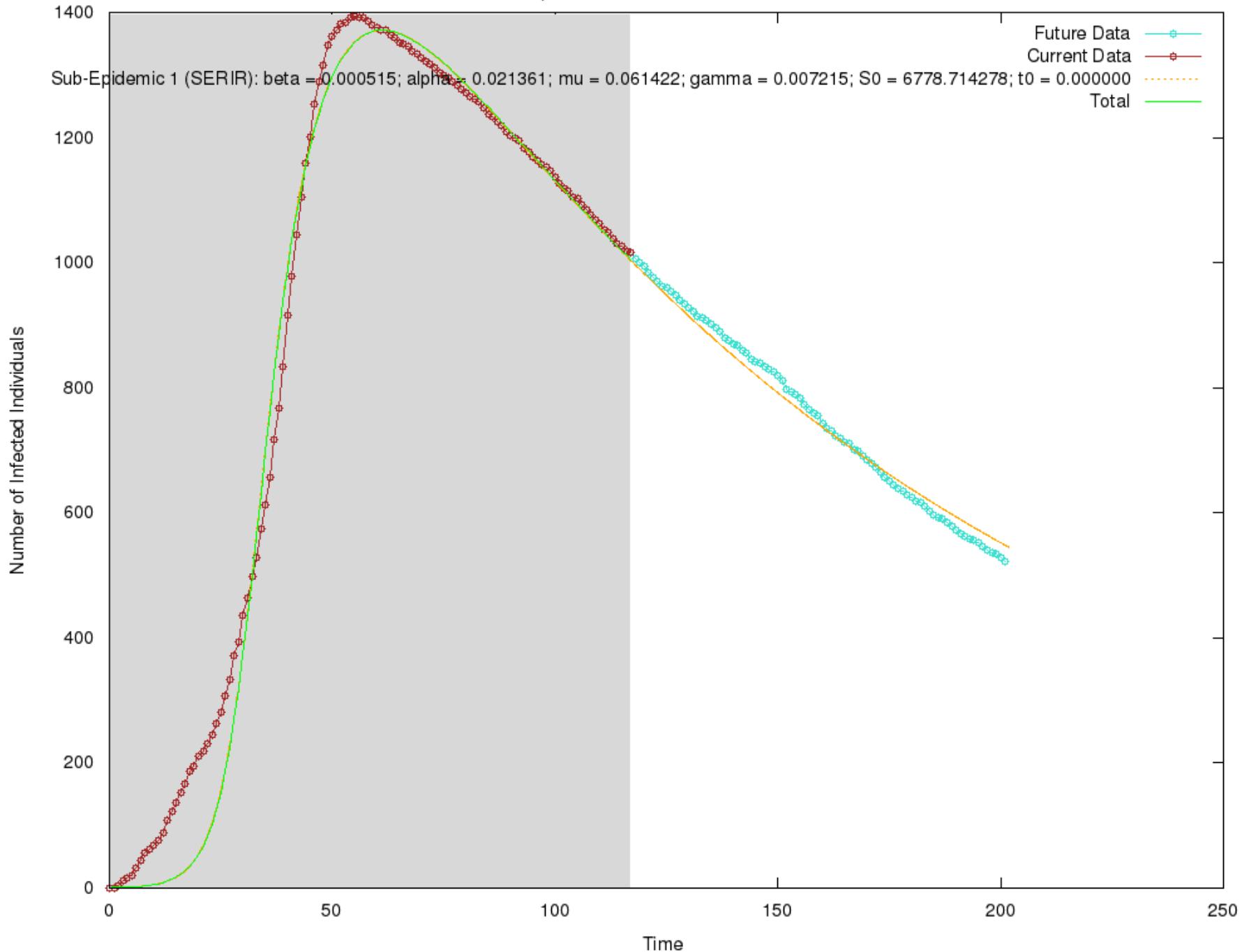
RSquare: 0.984751. Run number: 115



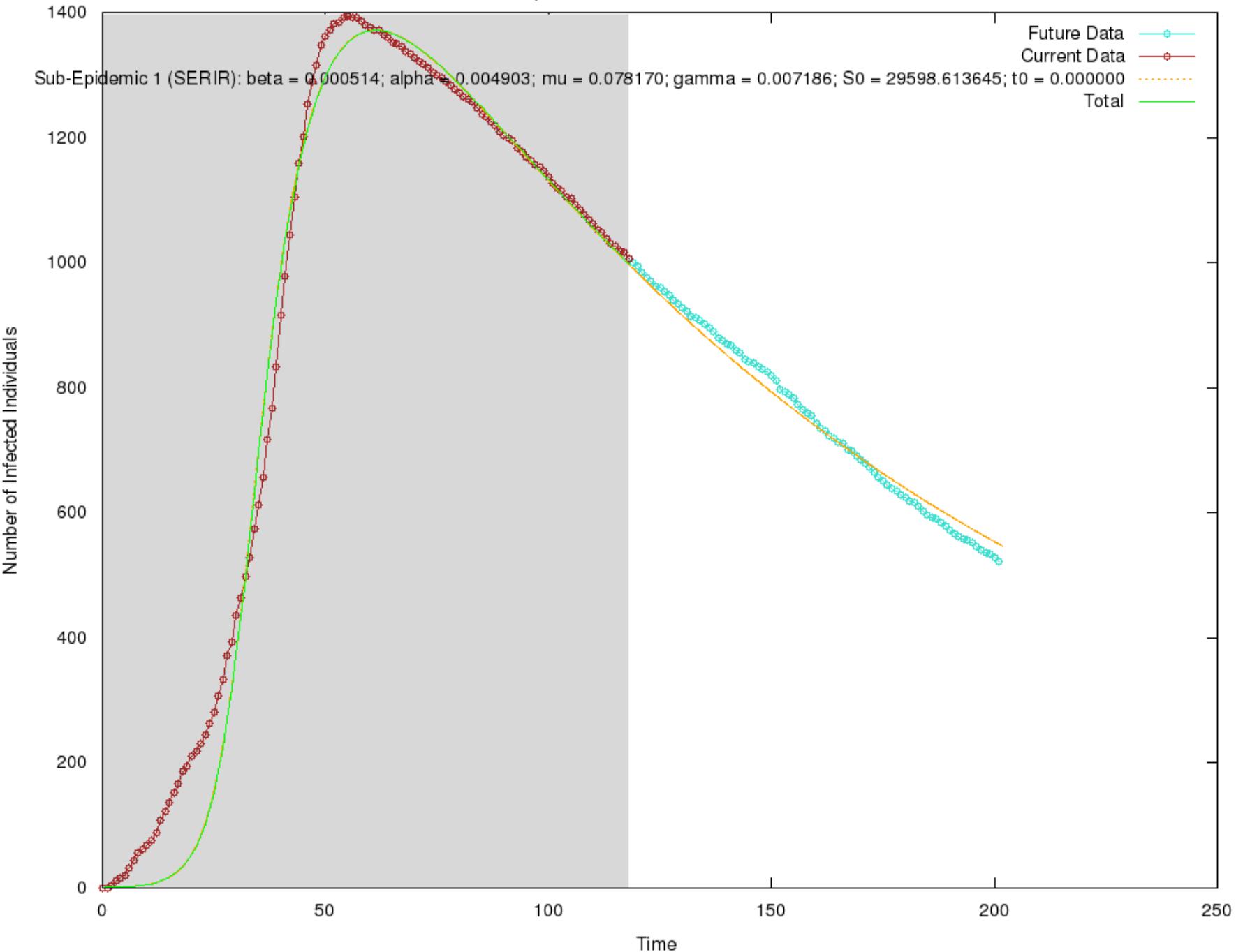
RSquare: 0.984756. Run number: 116



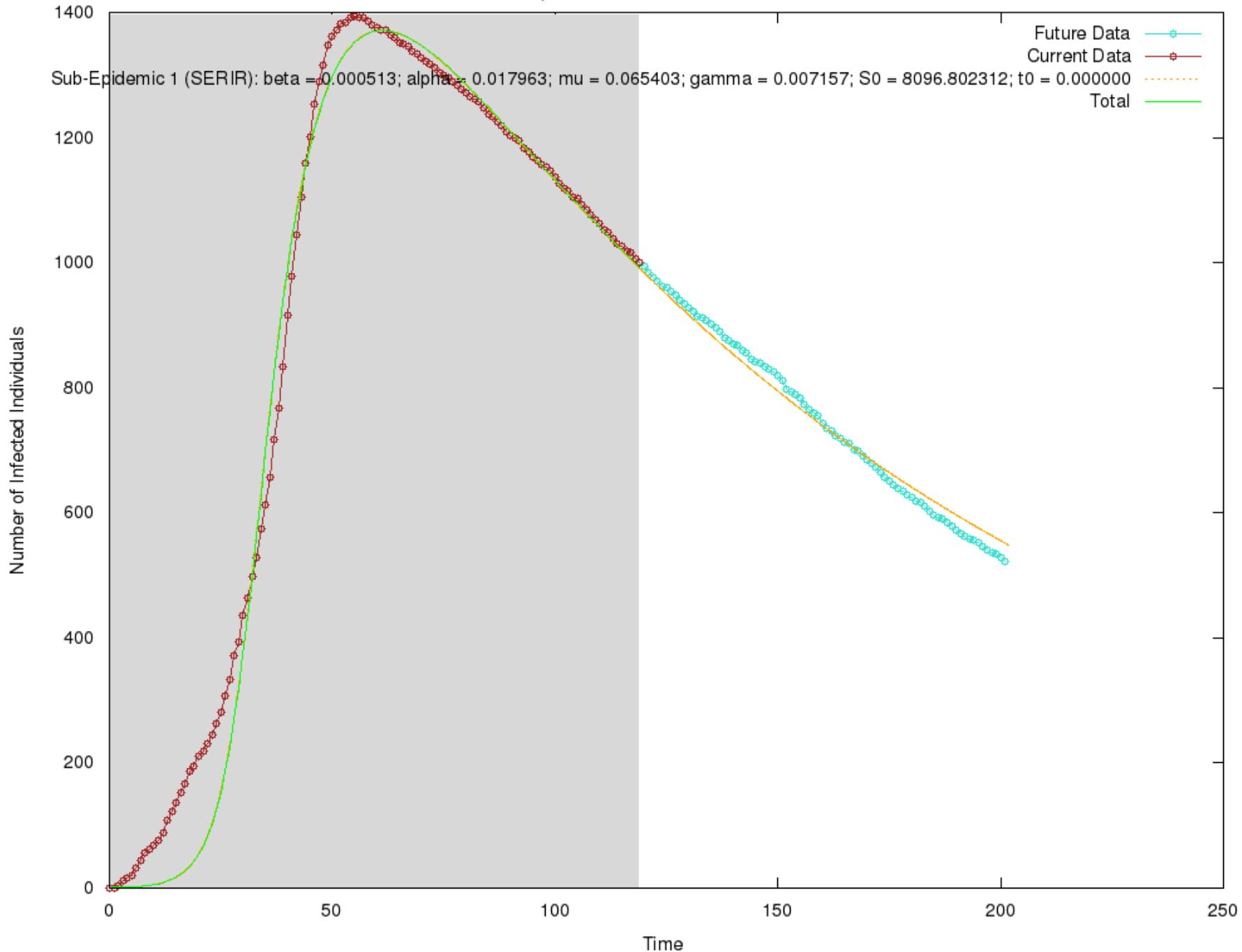
RSquare: 0.984759. Run number: 117



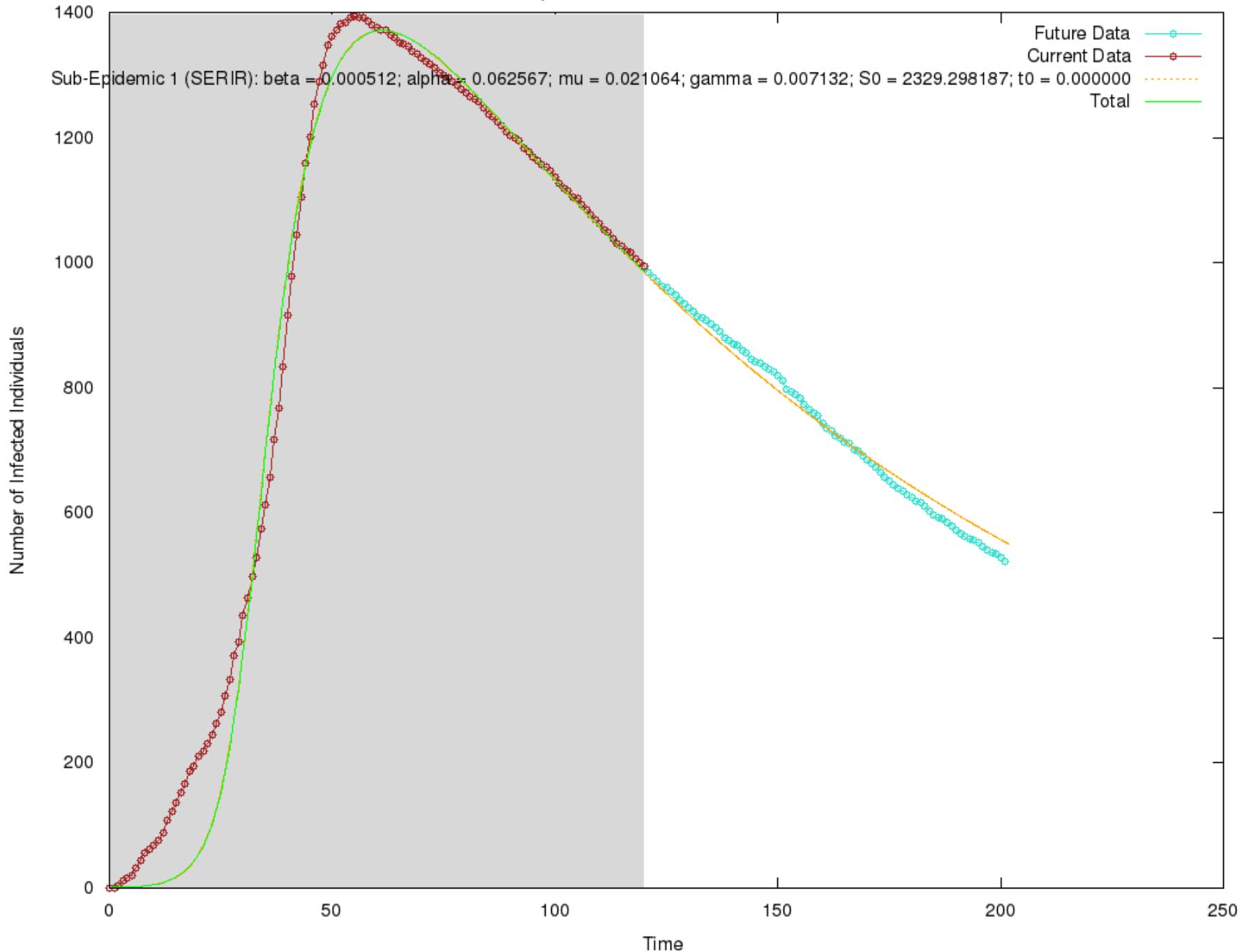
RSquare: 0.984762. Run number: 118



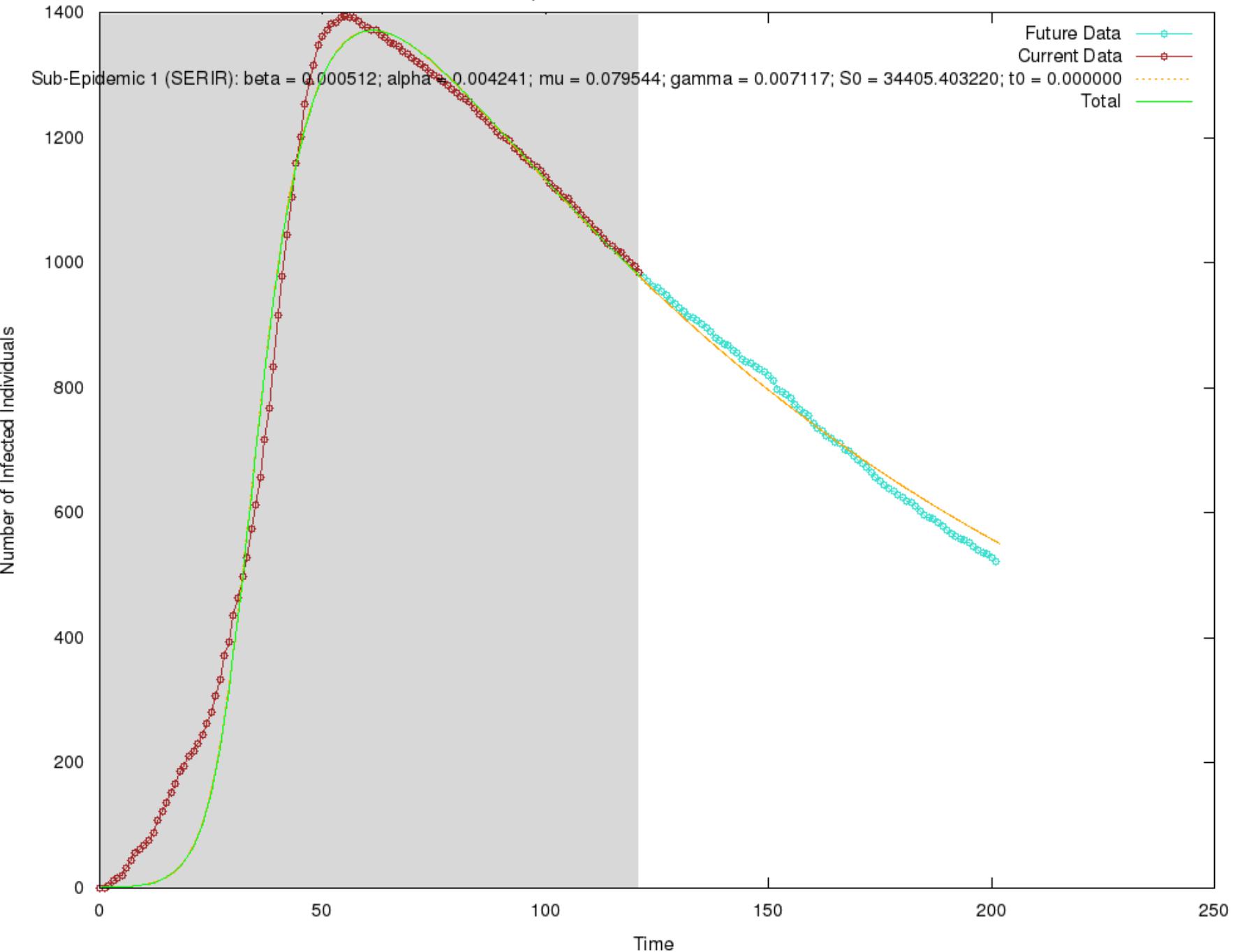
RSquare: 0.984764. Run number: 119



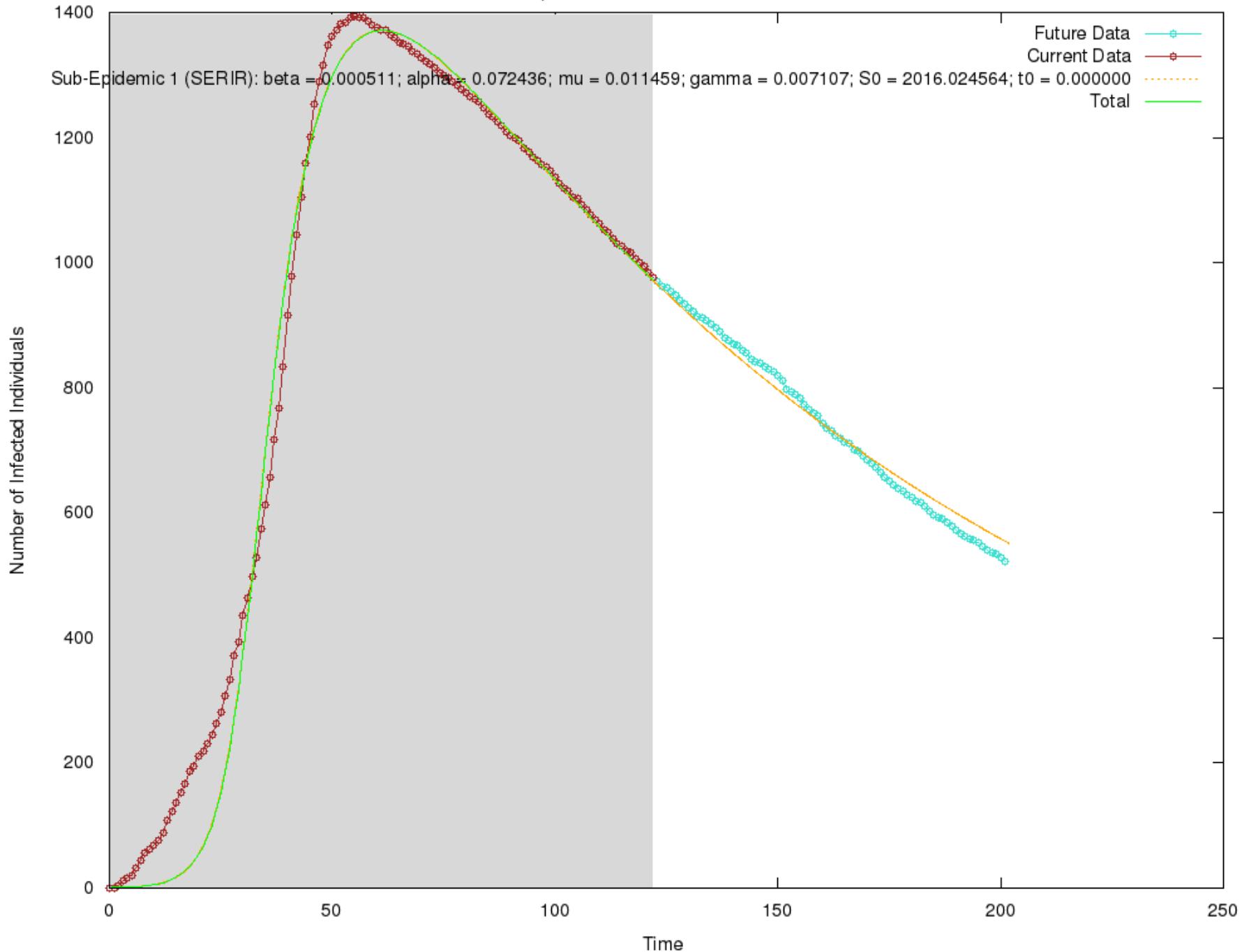
RSquare: 0.984766. Run number: 120



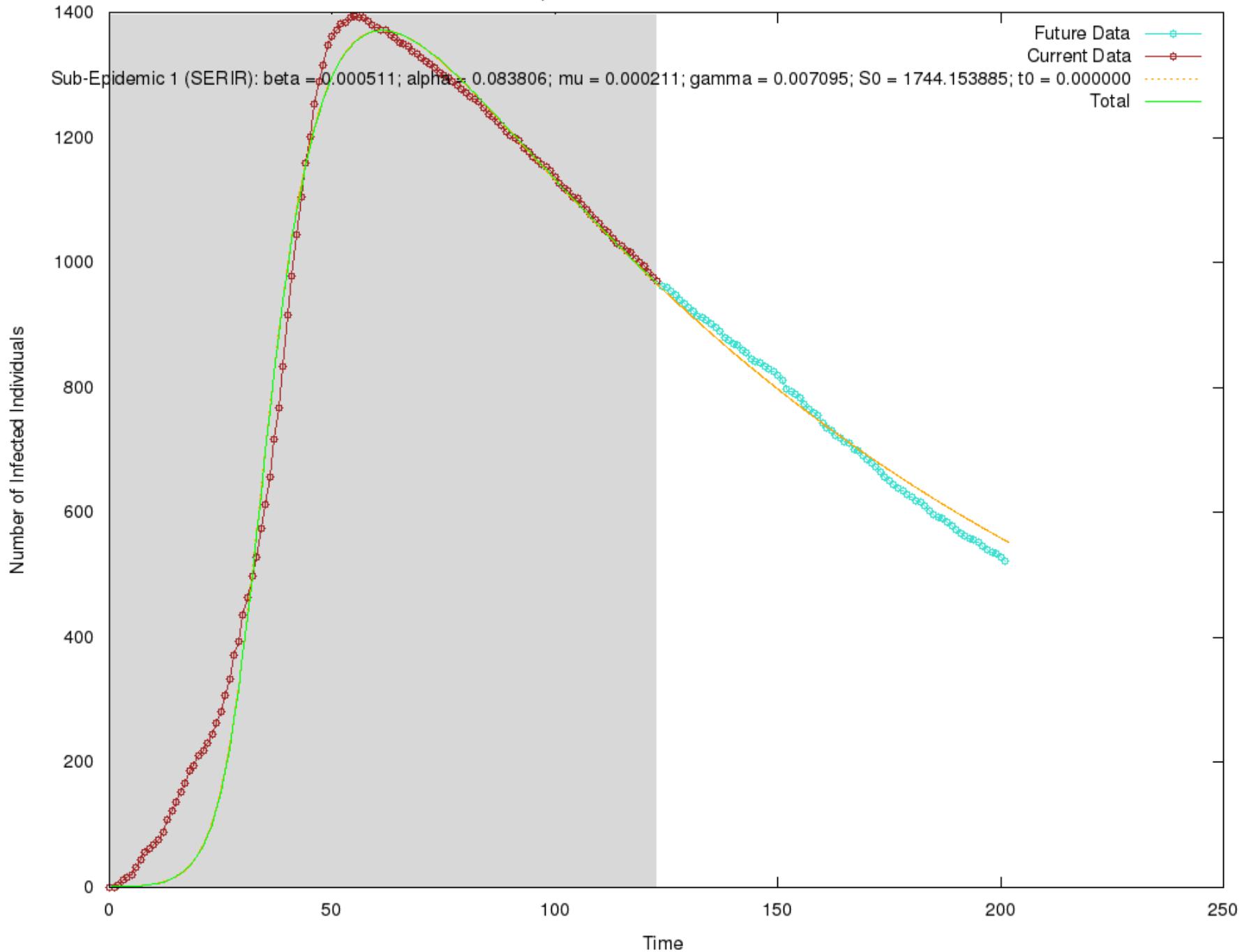
RSquare: 0.984769. Run number: 121



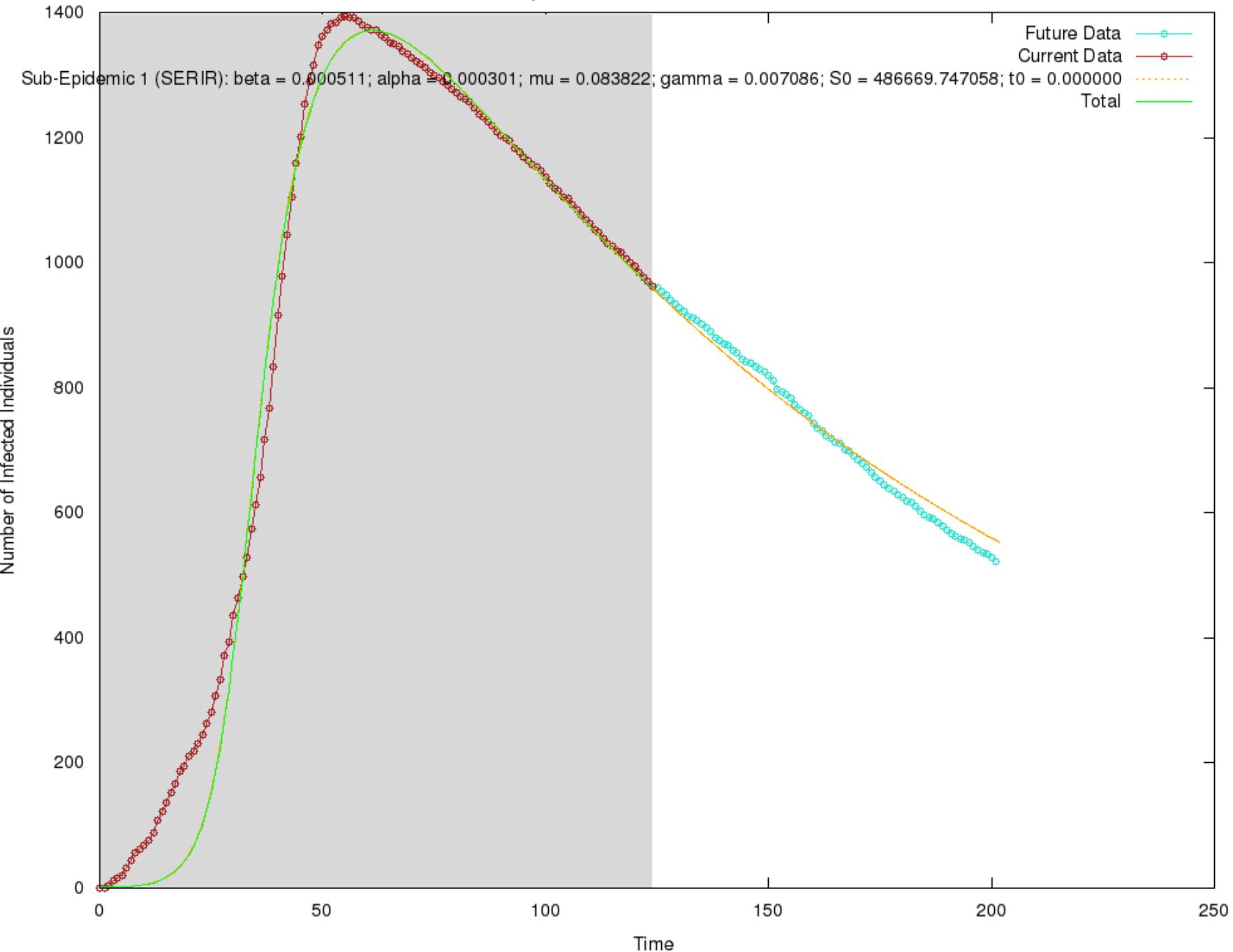
RSquare: 0.984771. Run number: 122



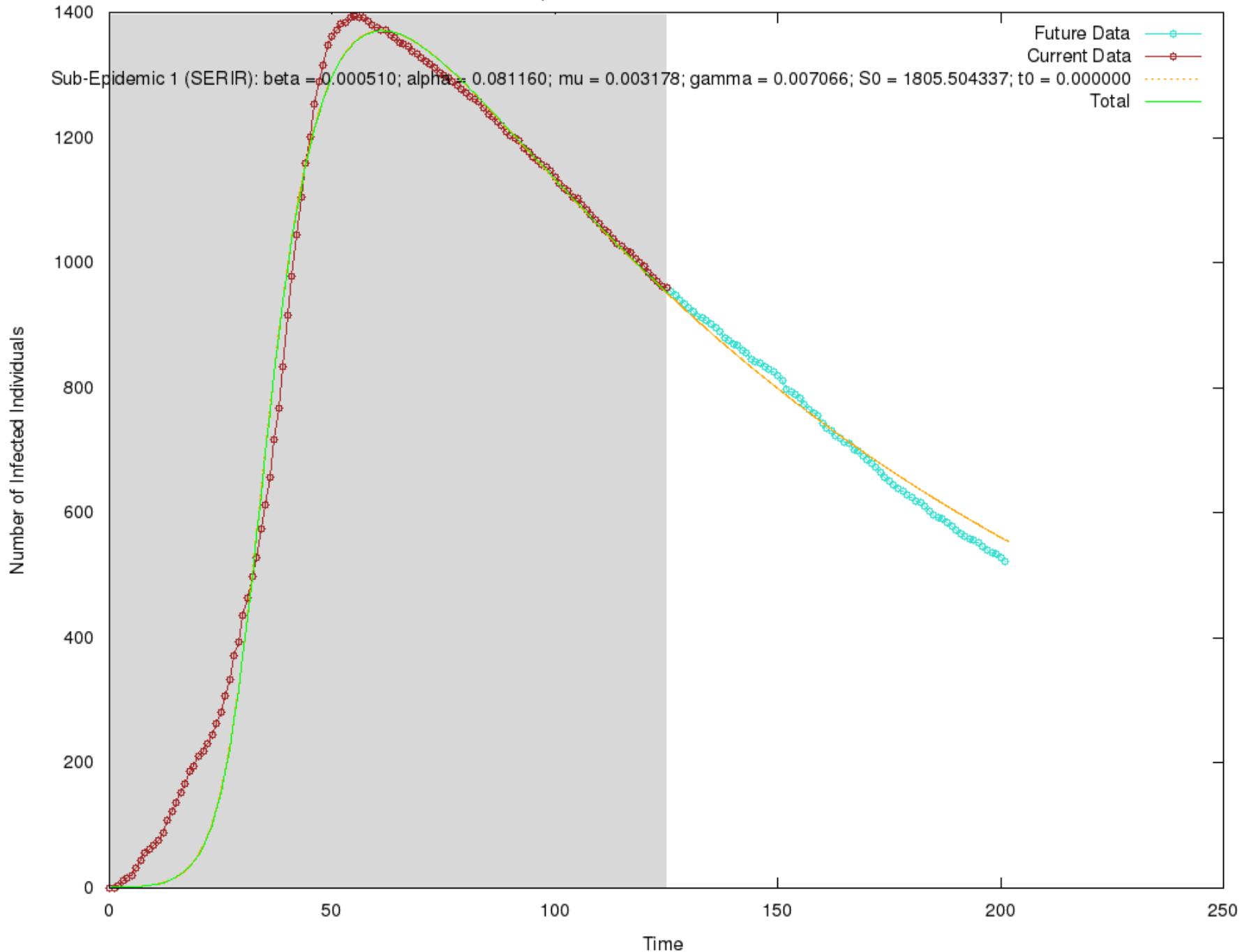
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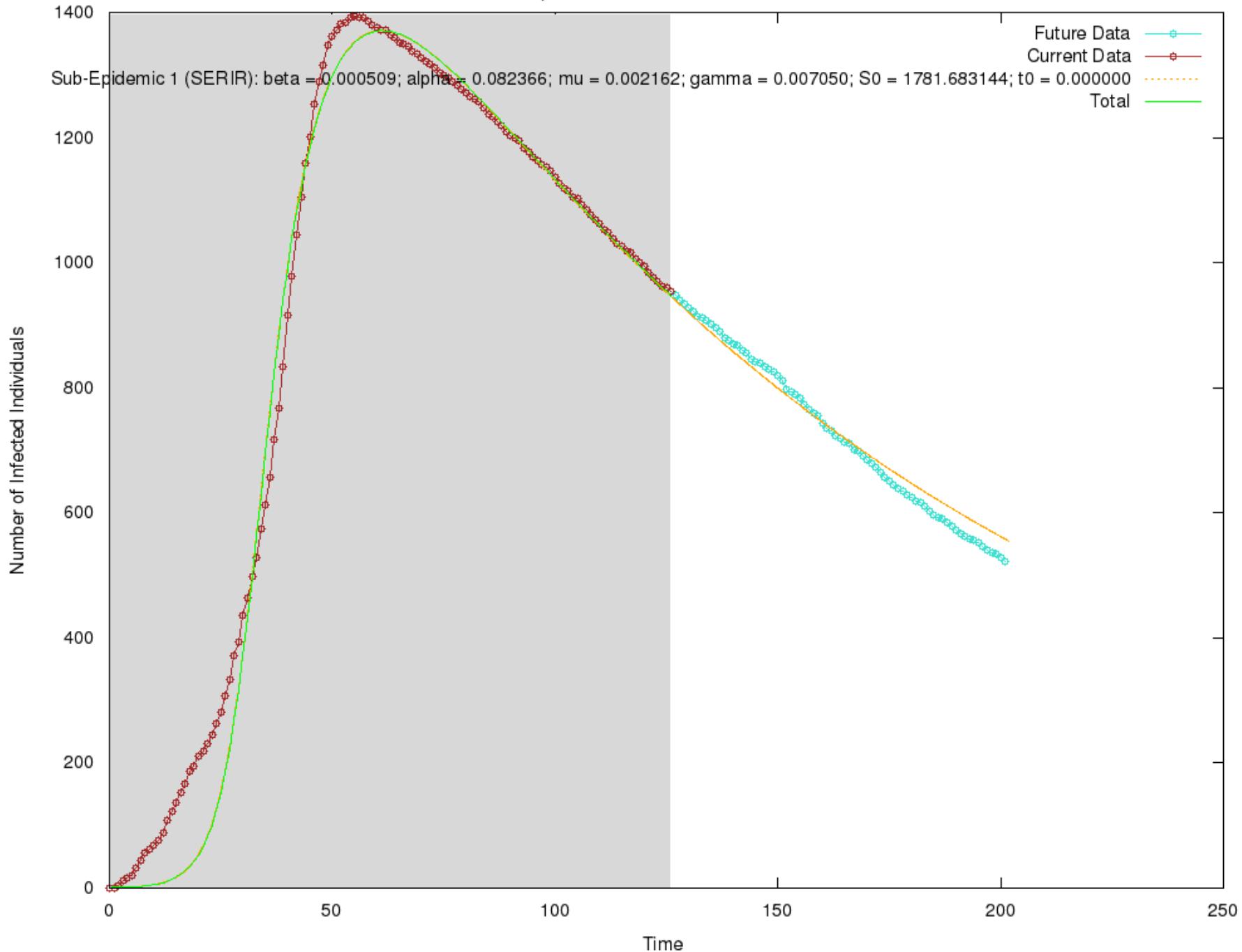
RSquare: 0.984774. Run number: 124



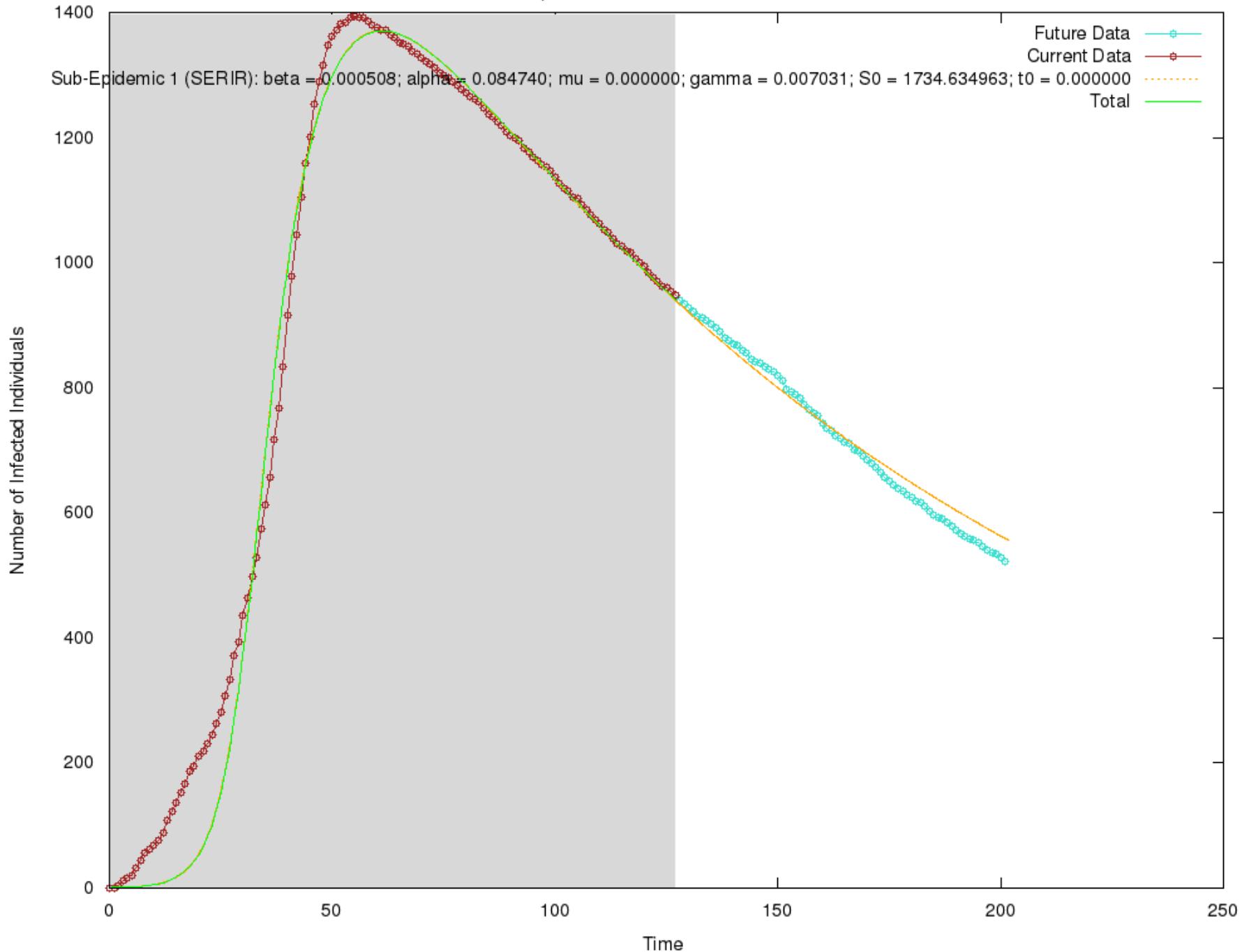
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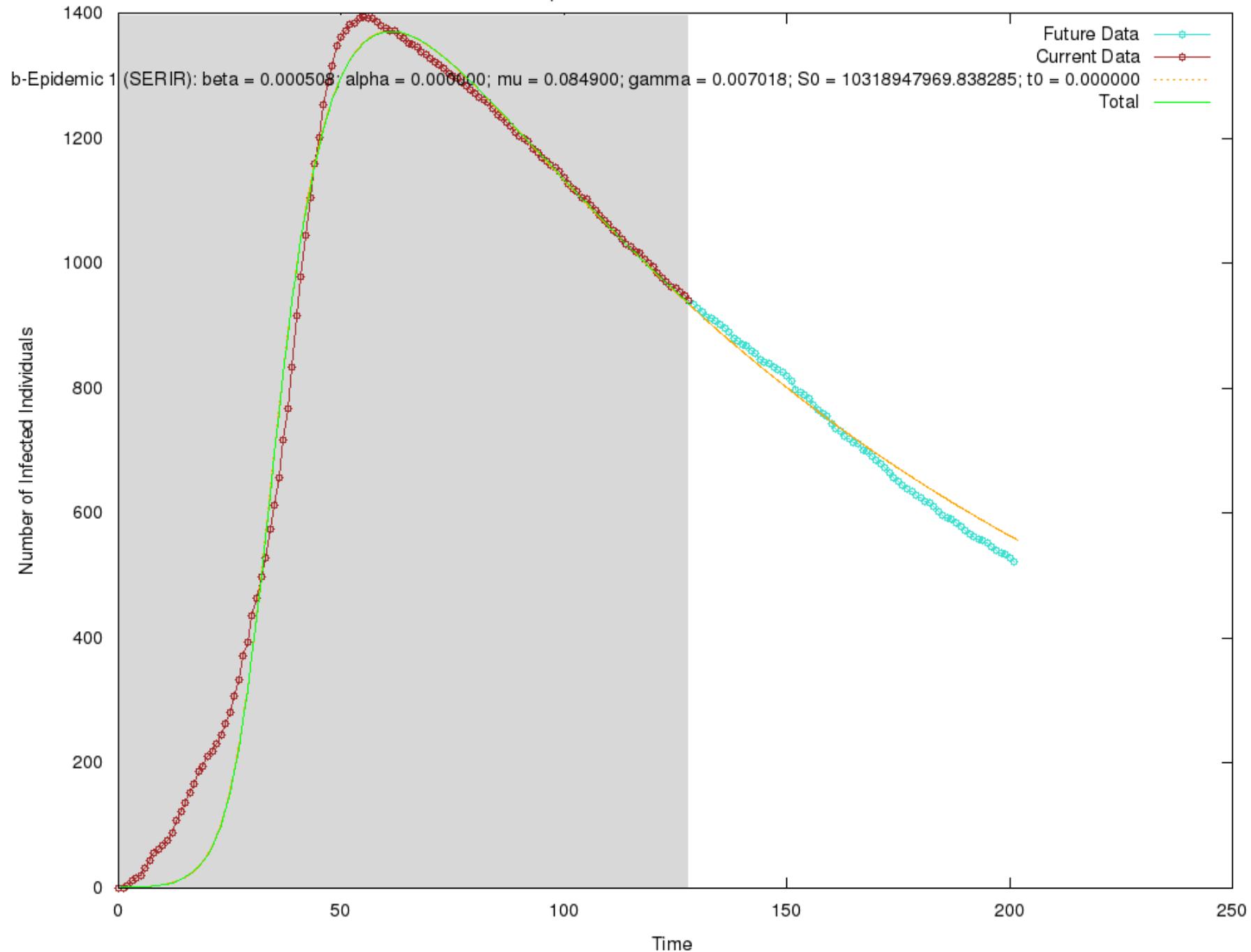
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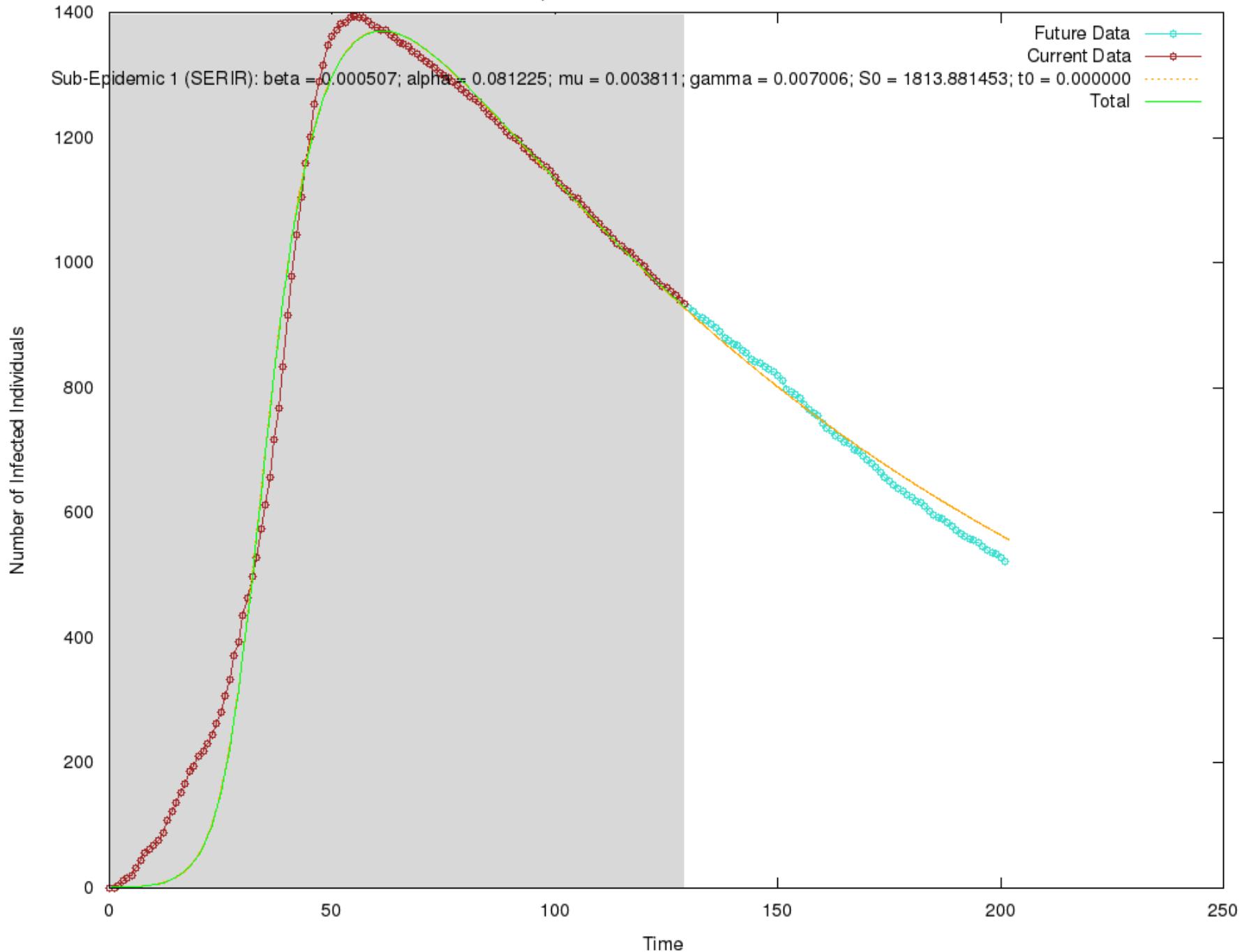
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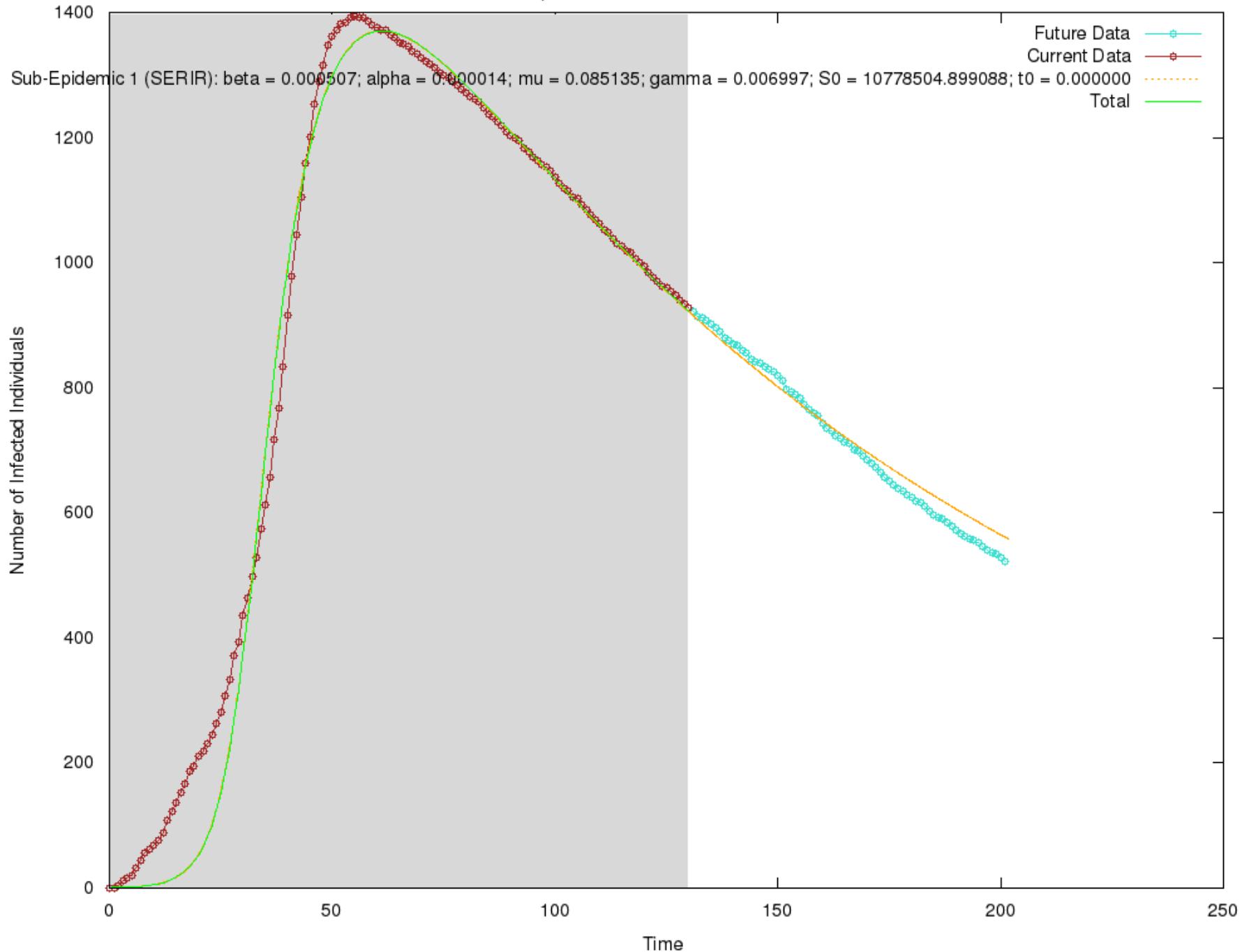
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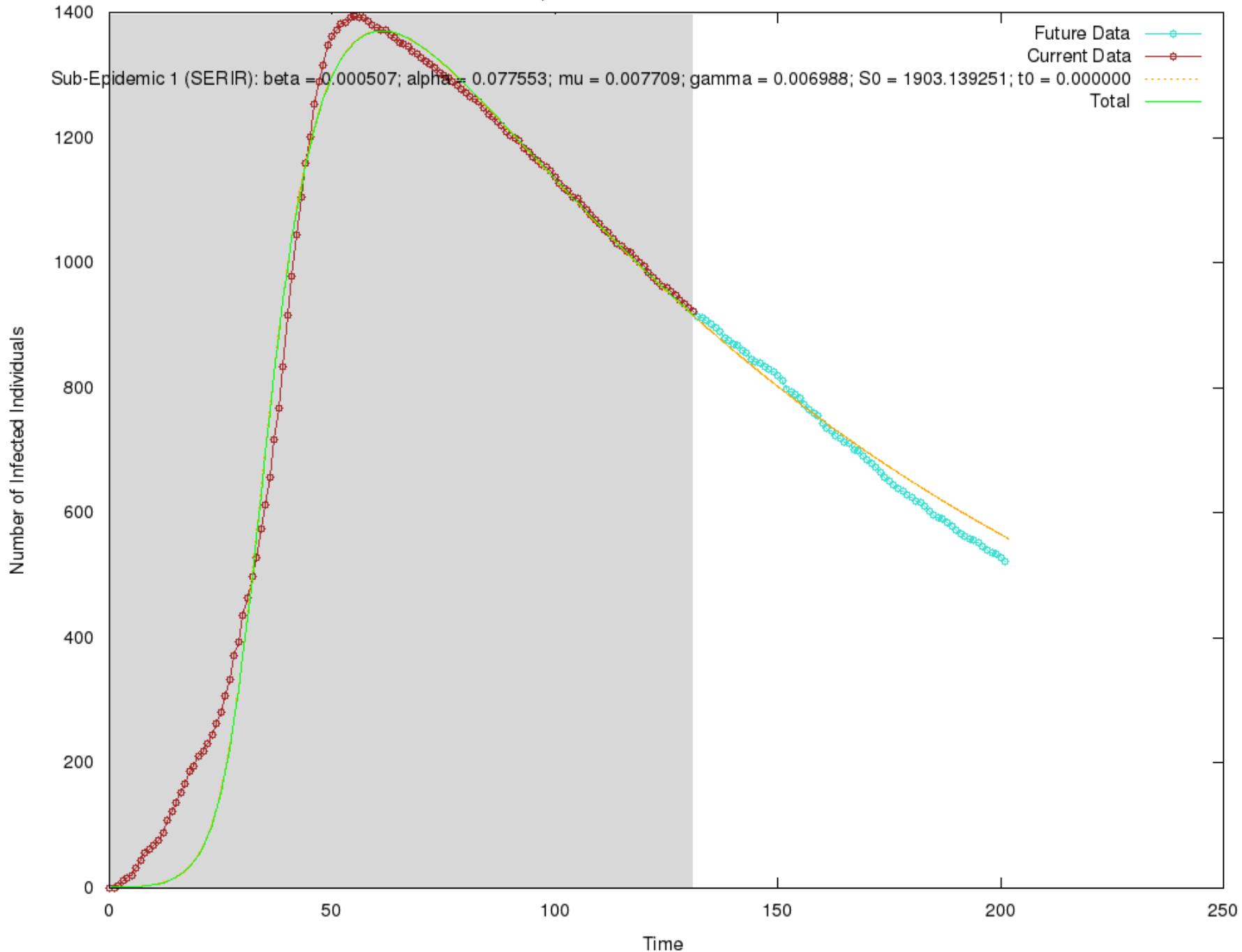
RSquare: 0.984770. Run number: 129



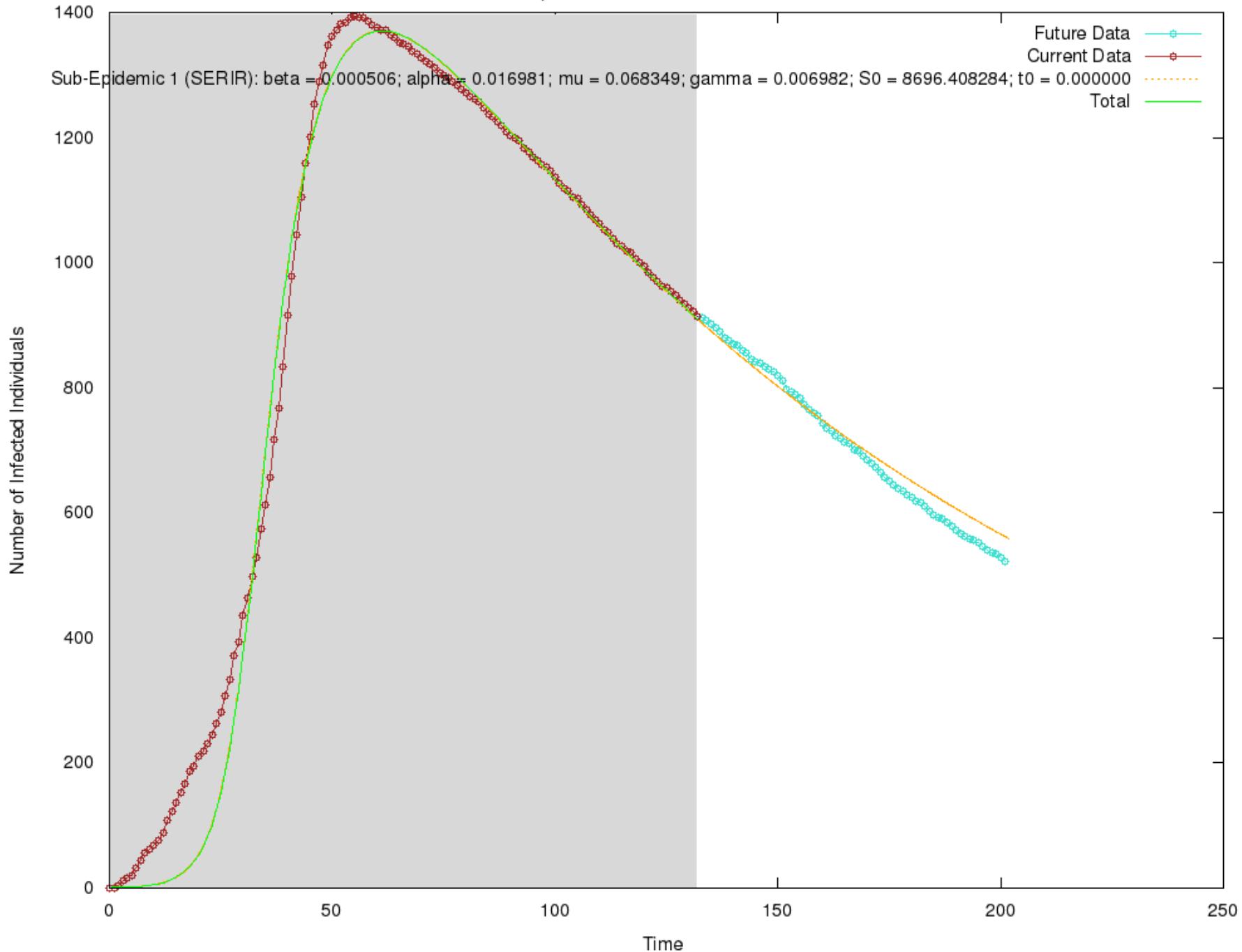
RSquare: 0.984770. Run number: 130



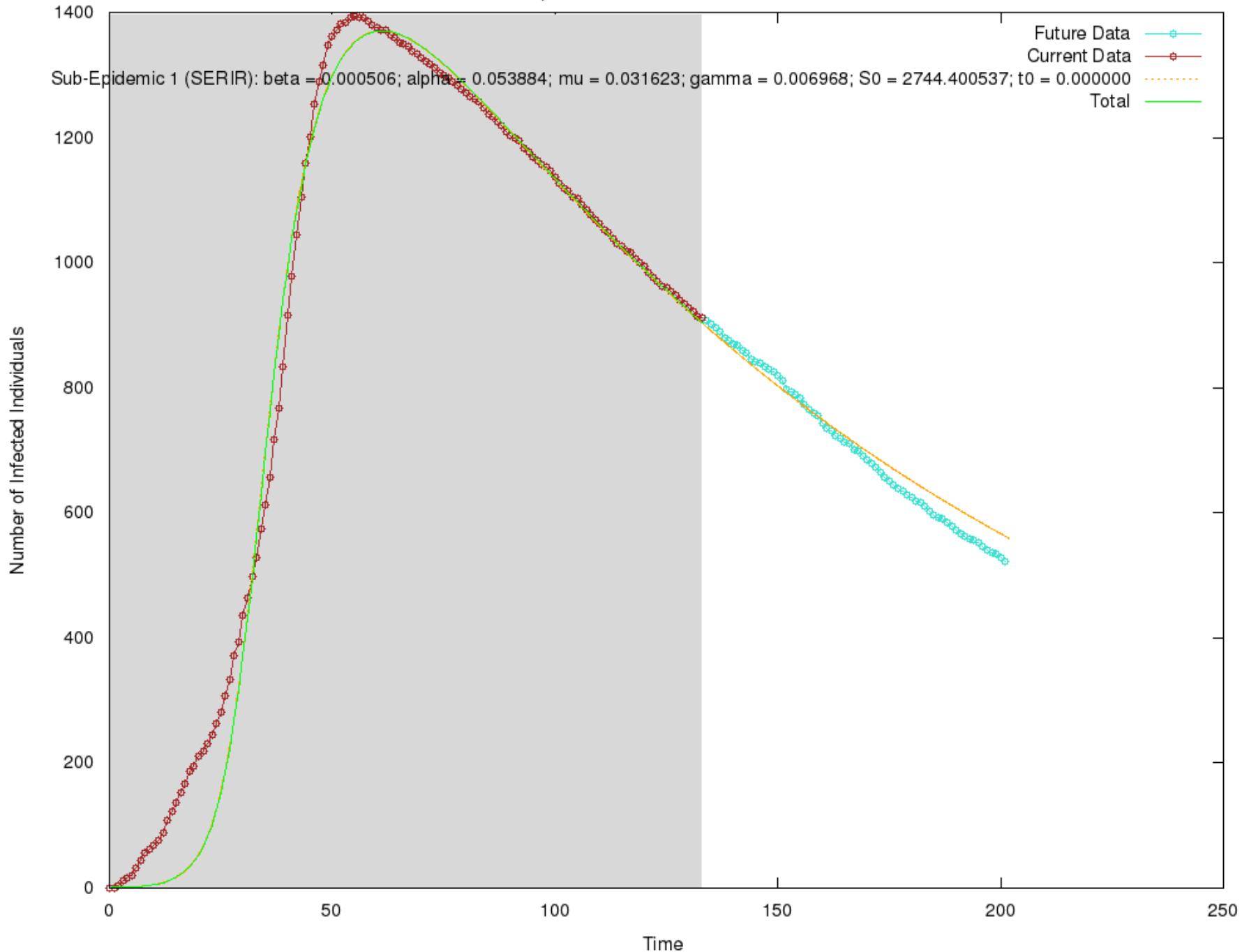
RSquare: 0.984769. Run number: 131



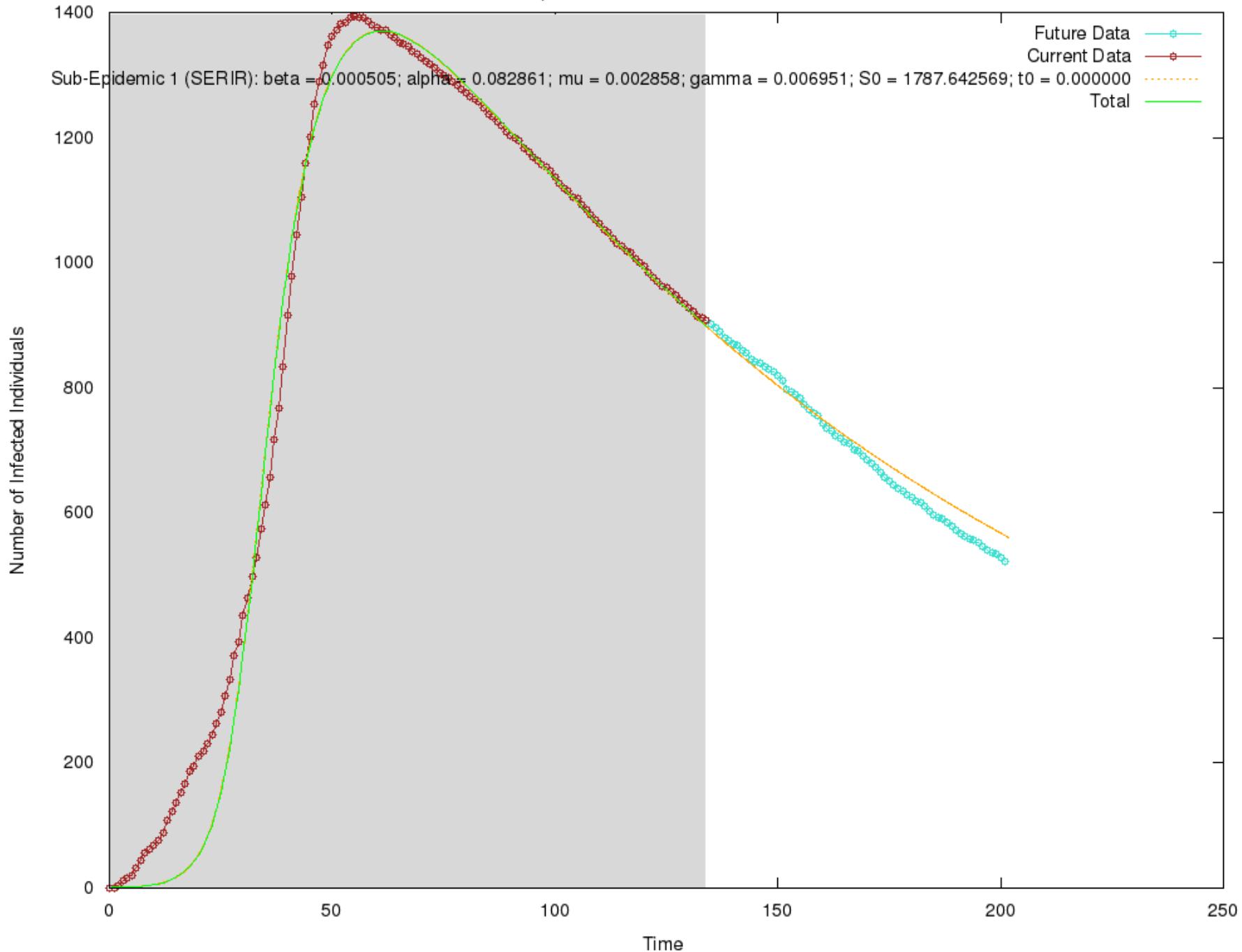
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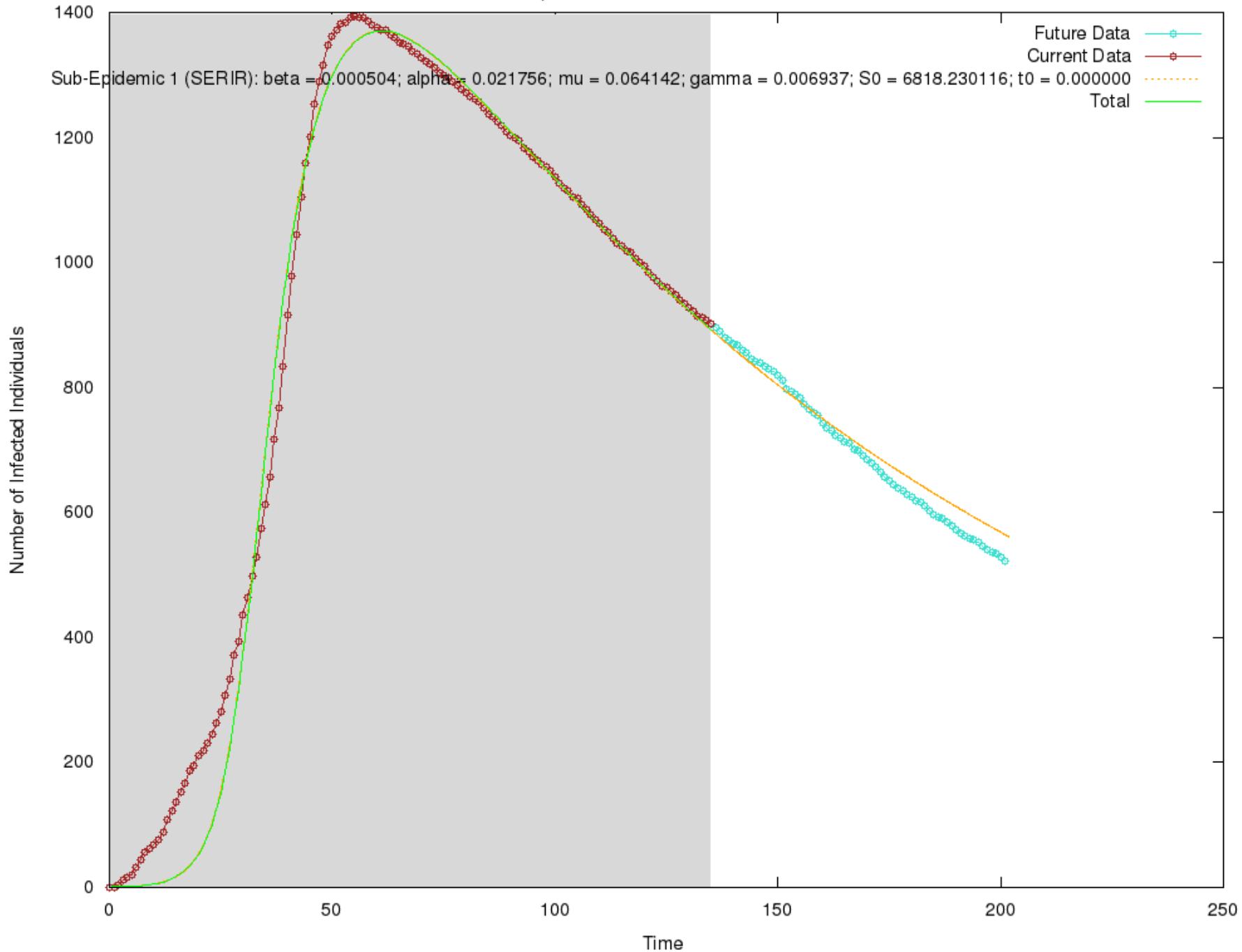
RSquare: 0.984766. Run number: 133



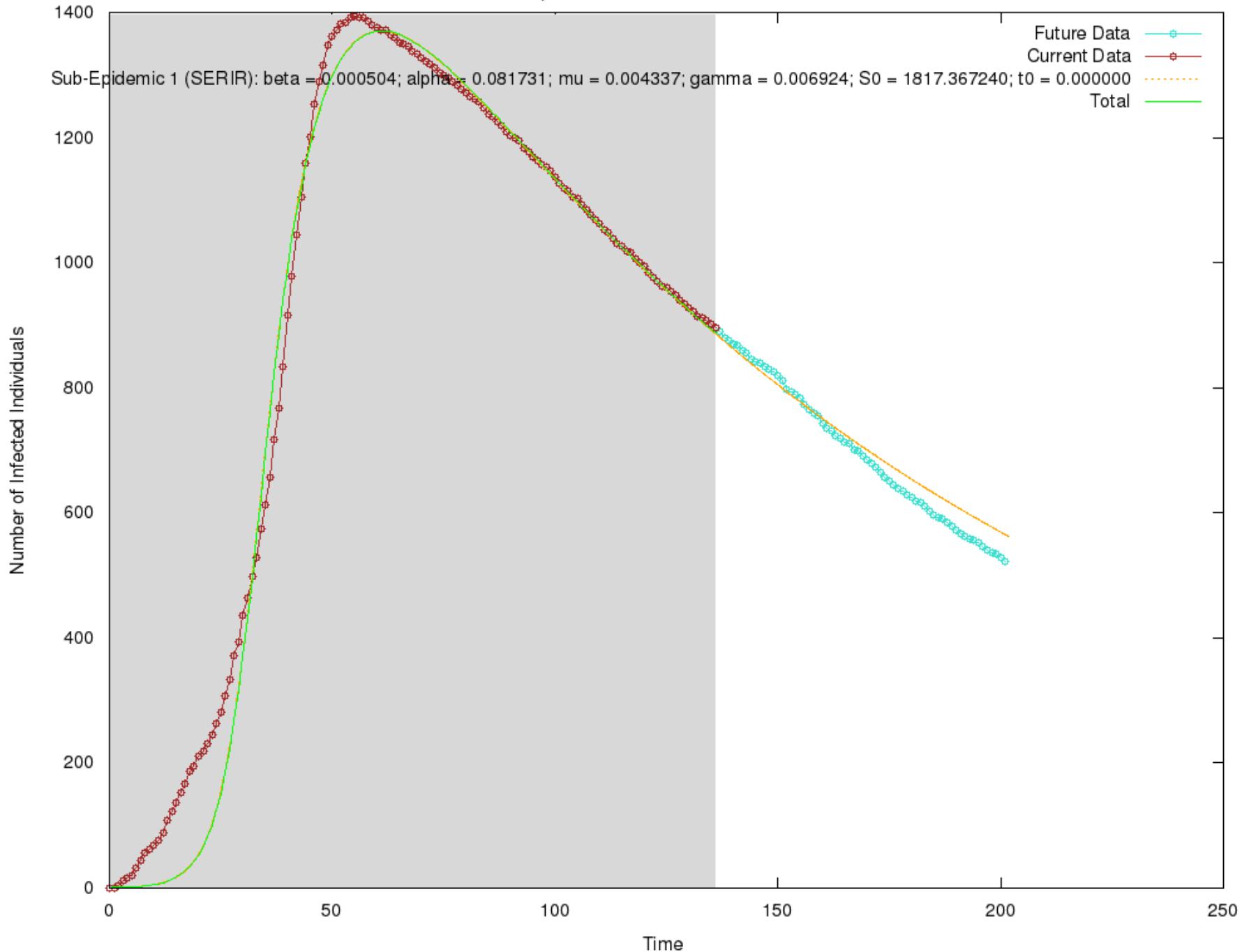
RSquare: 0.984763. Run number: 134



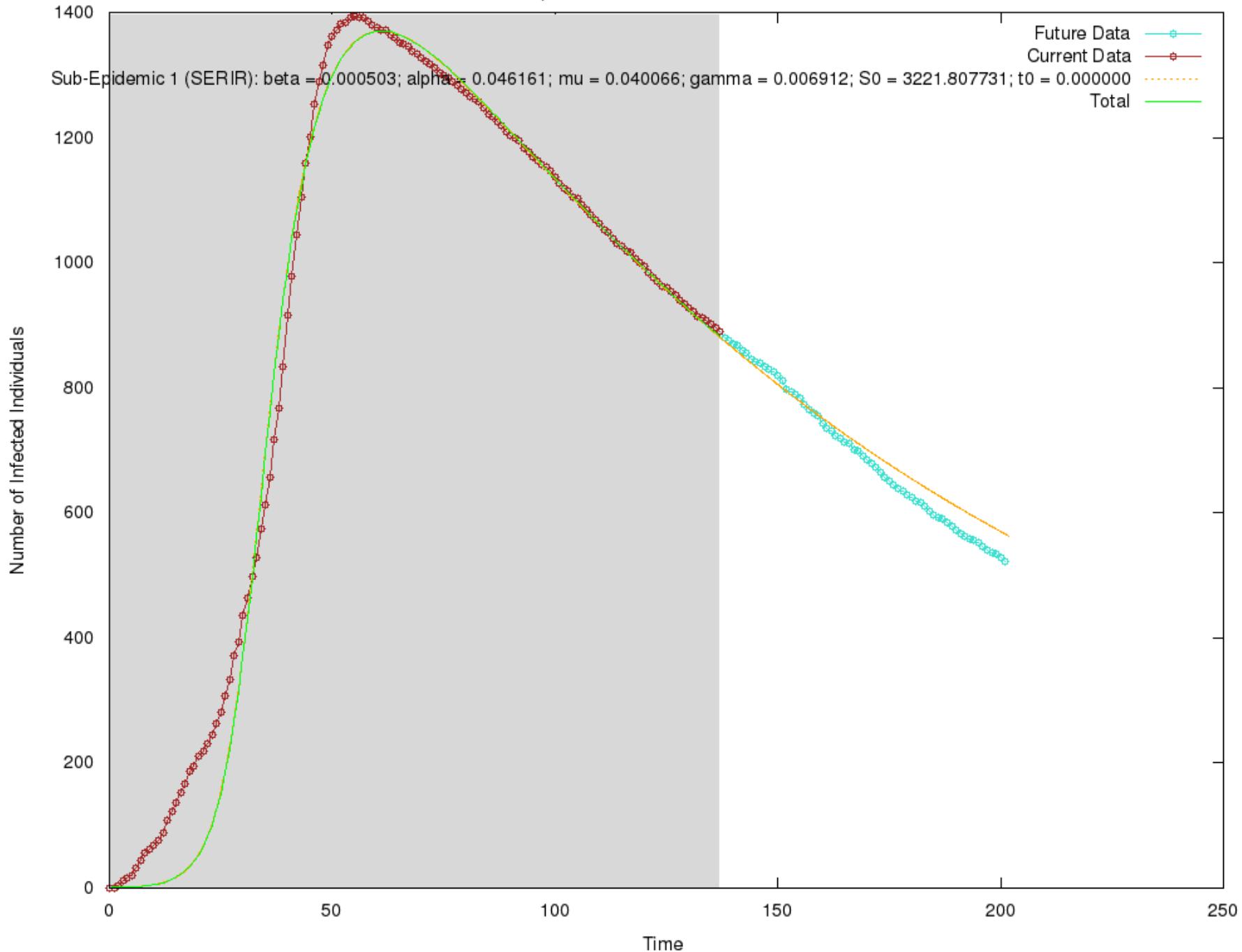
RSquare: 0.984760. Run number: 135



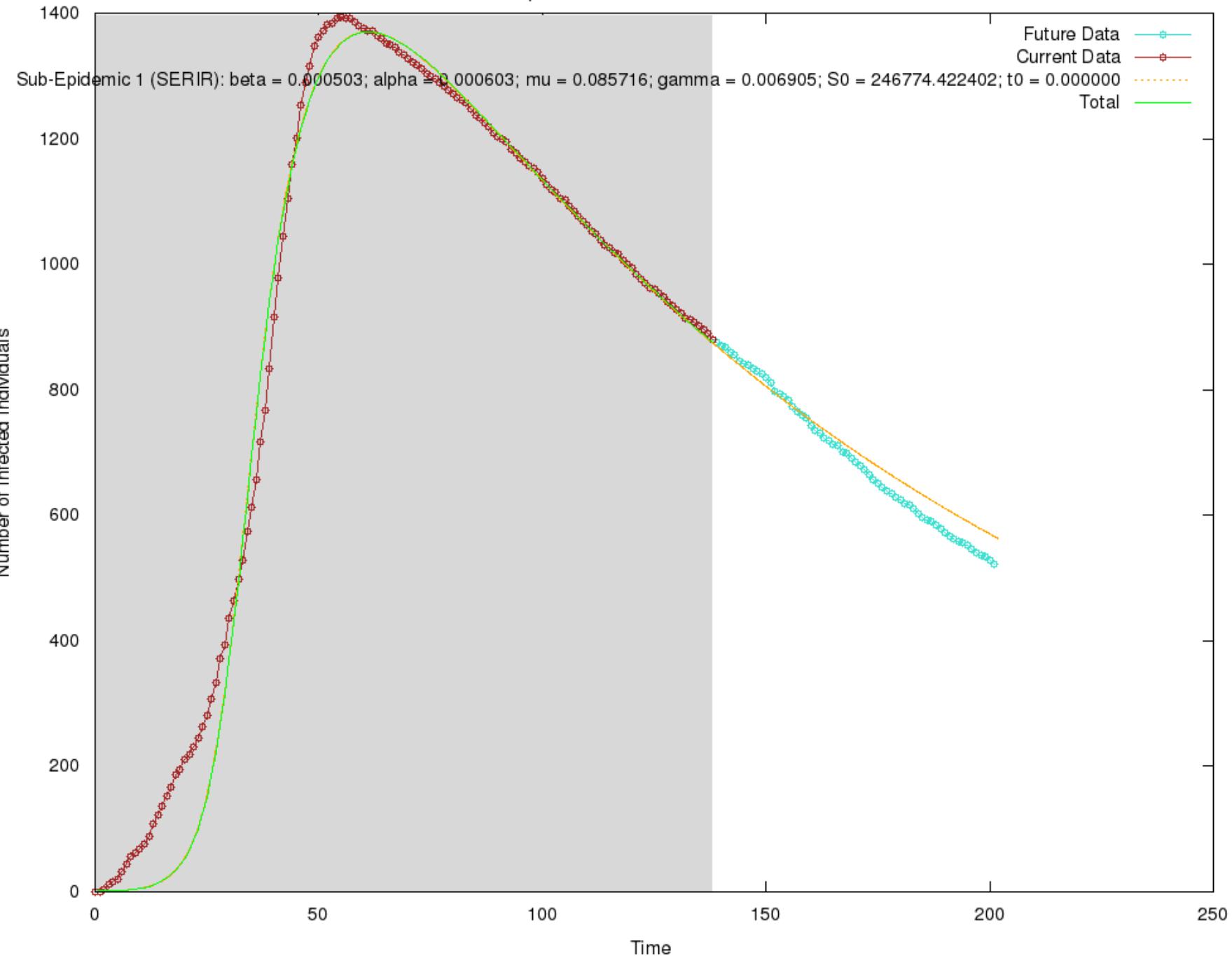
RSquare: 0.984758. Run number: 136



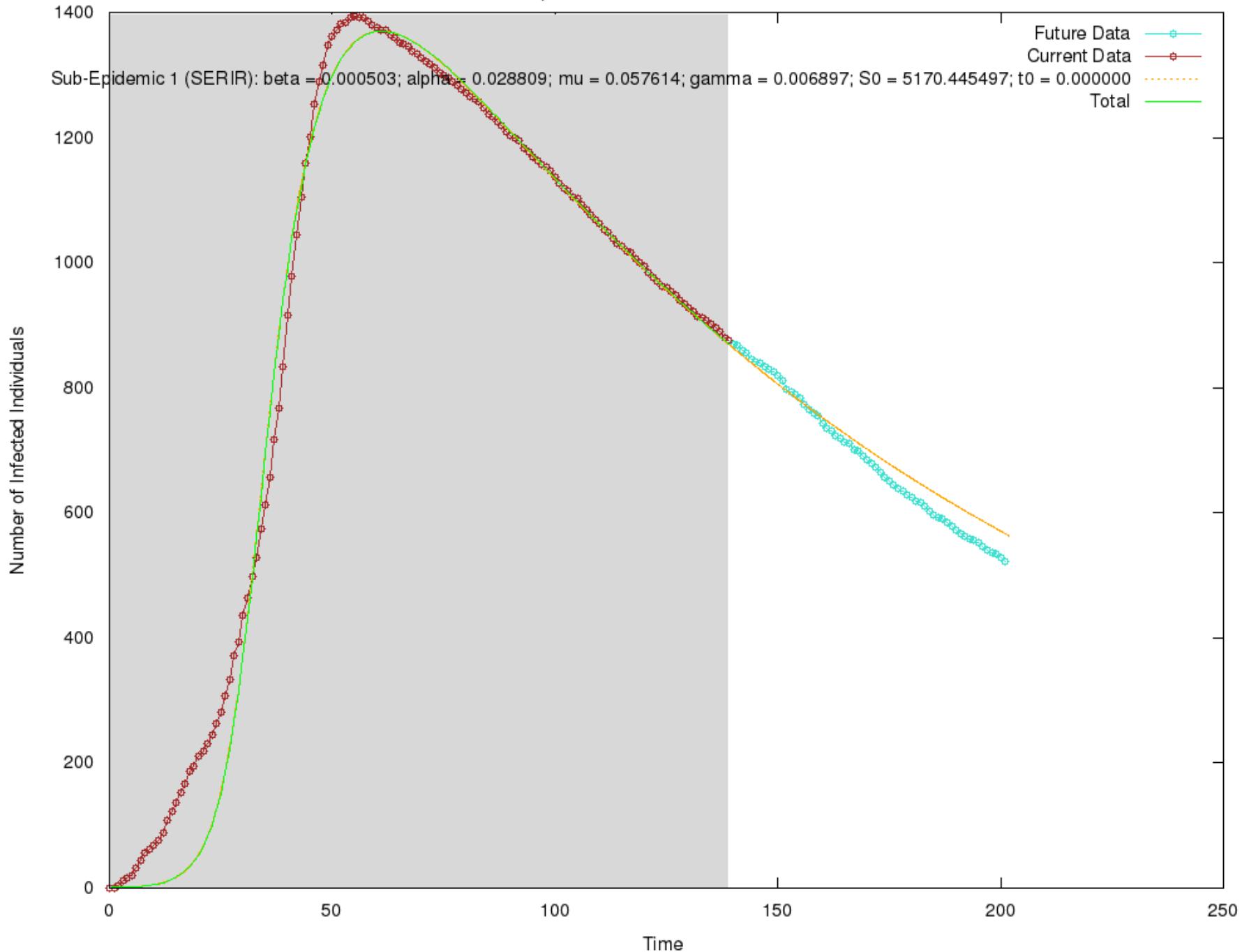
RSquare: 0.984756. Run number: 137



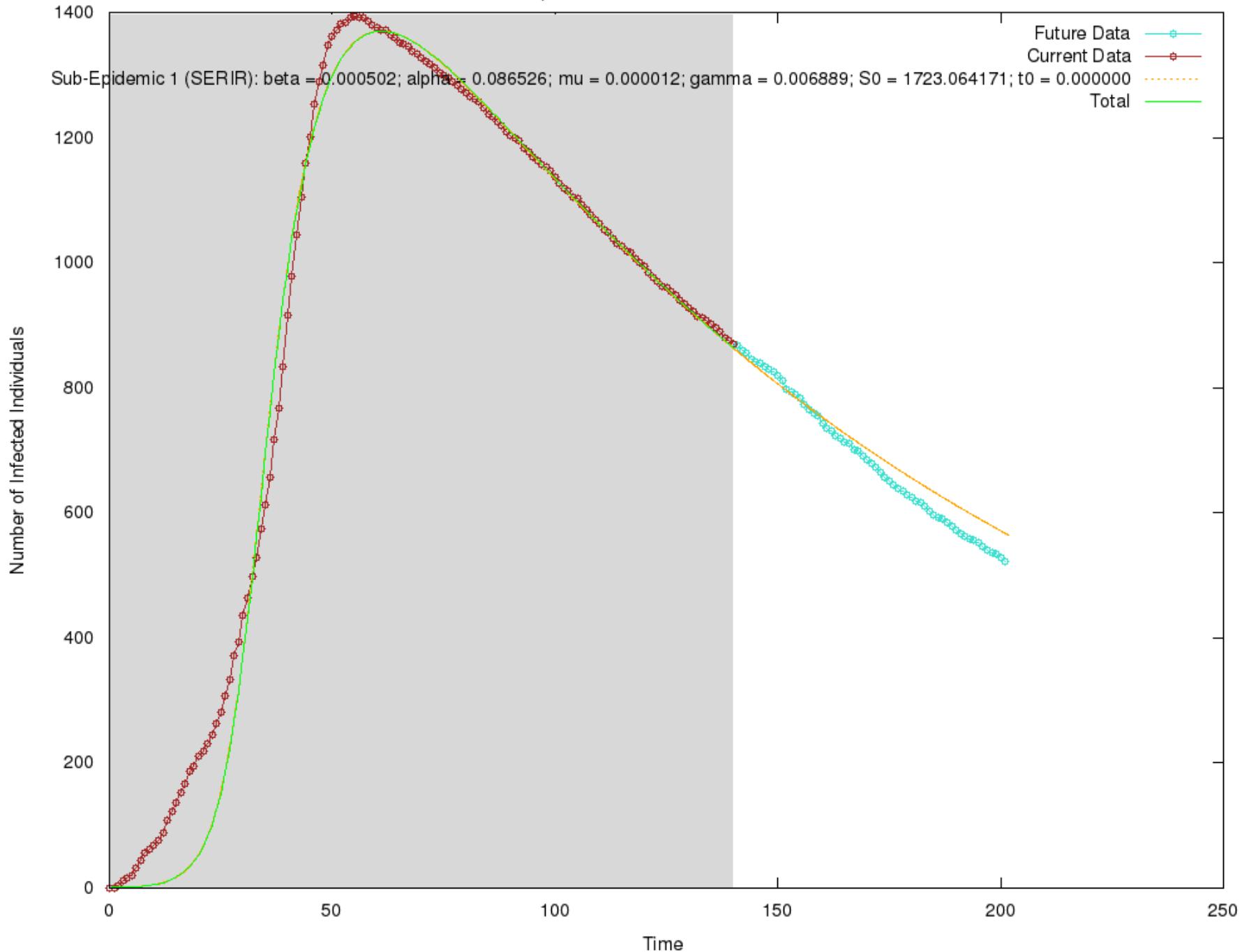
RSquare: 0.984756. Run number: 138



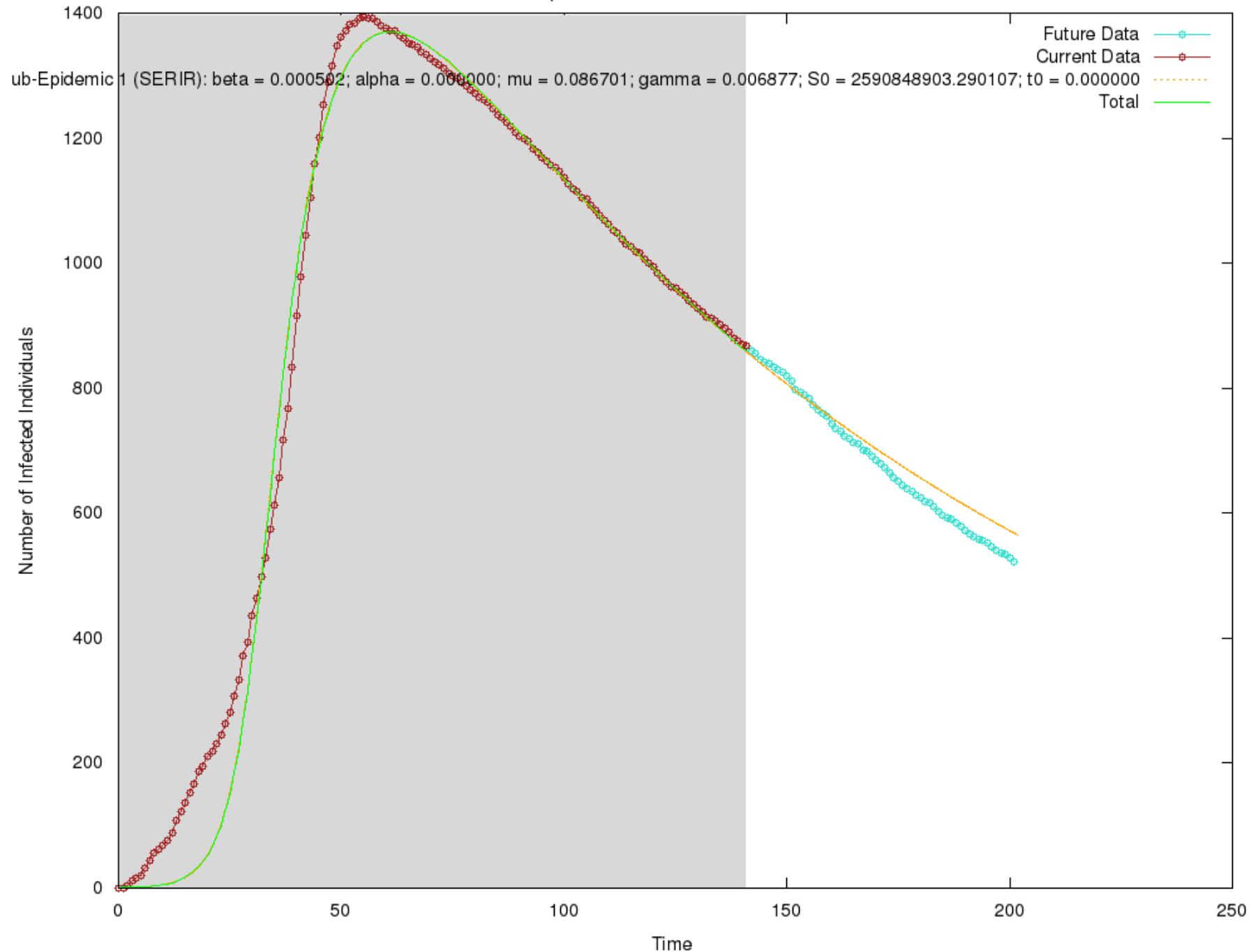
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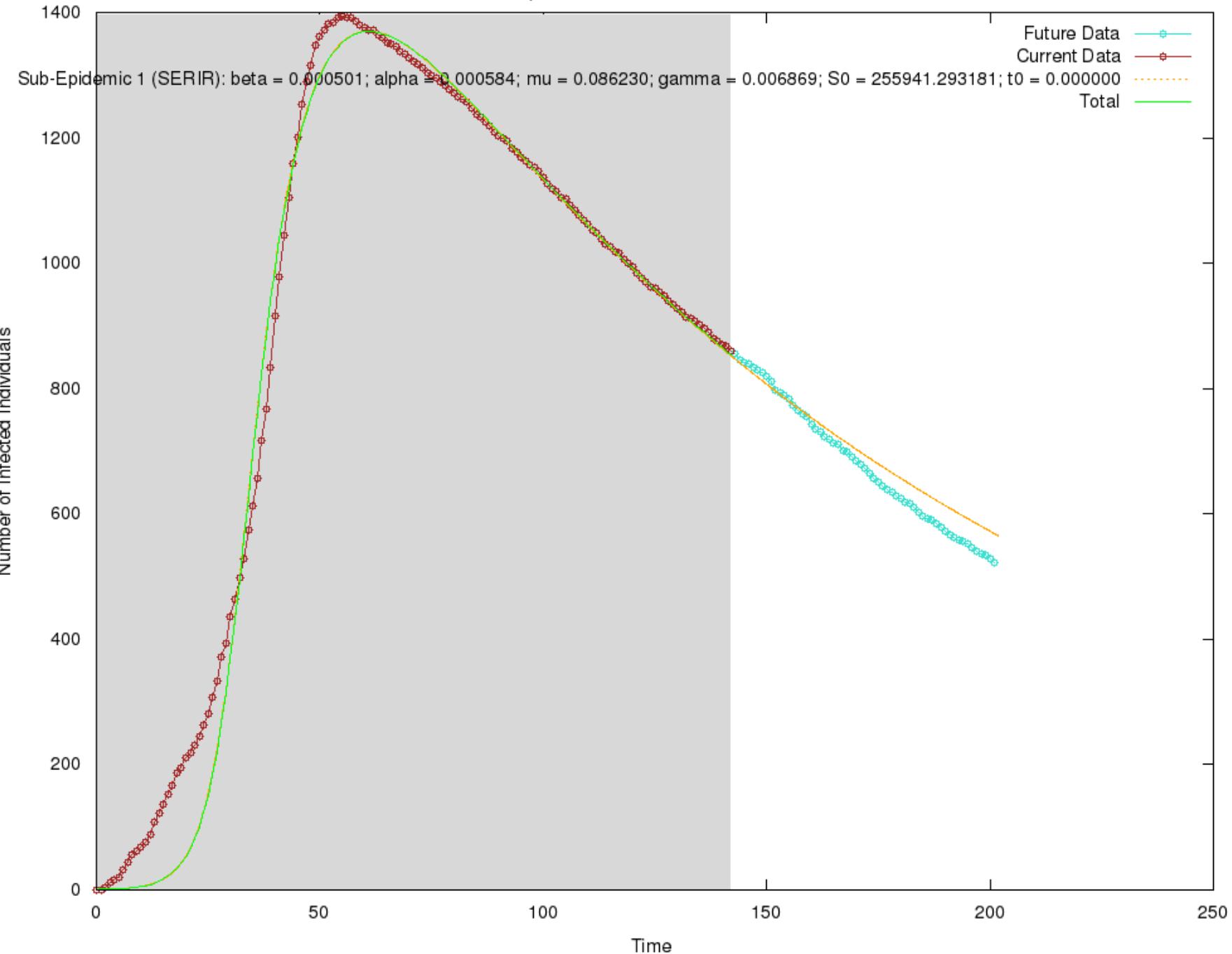
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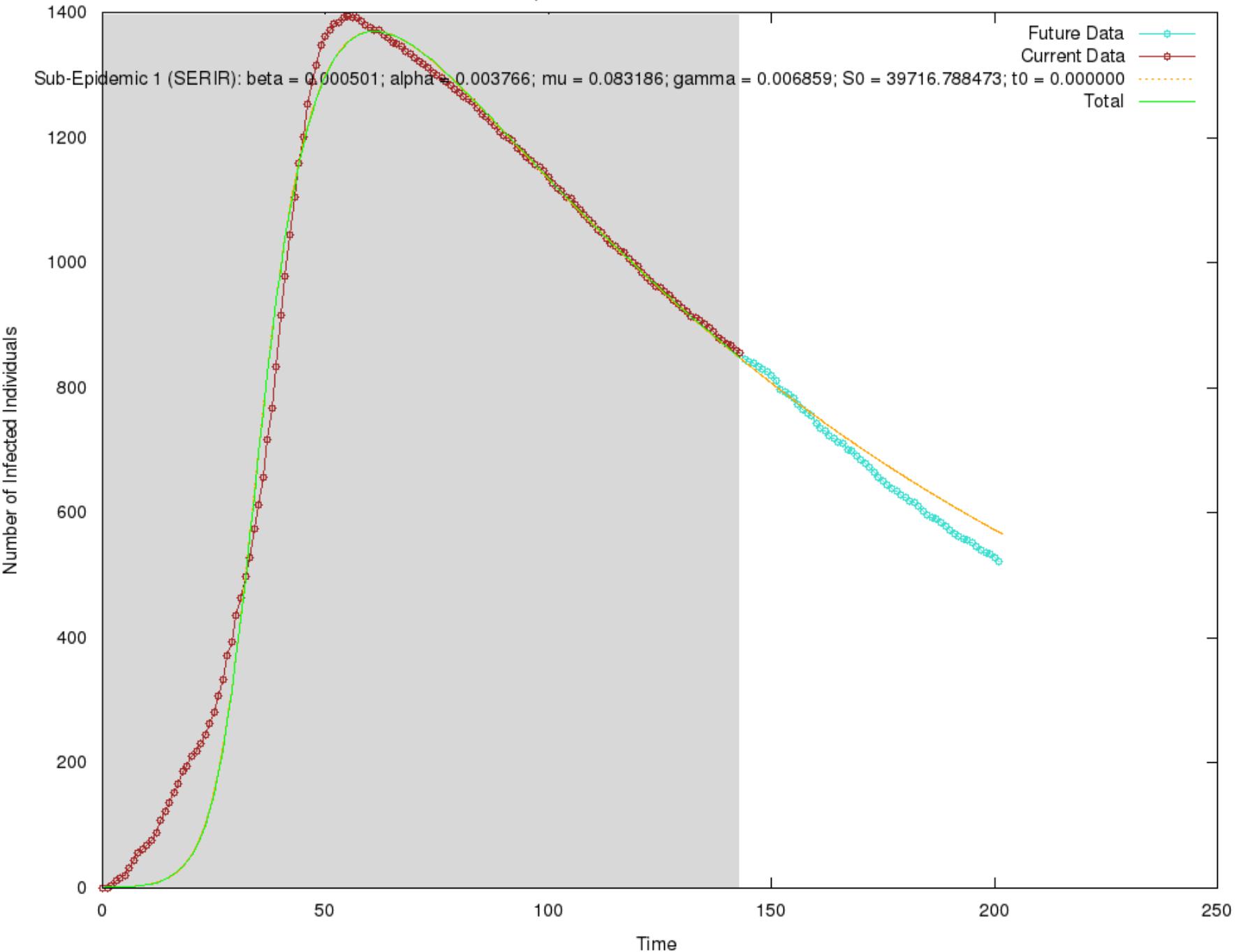
RSquare: 0.984753. Run number: 141



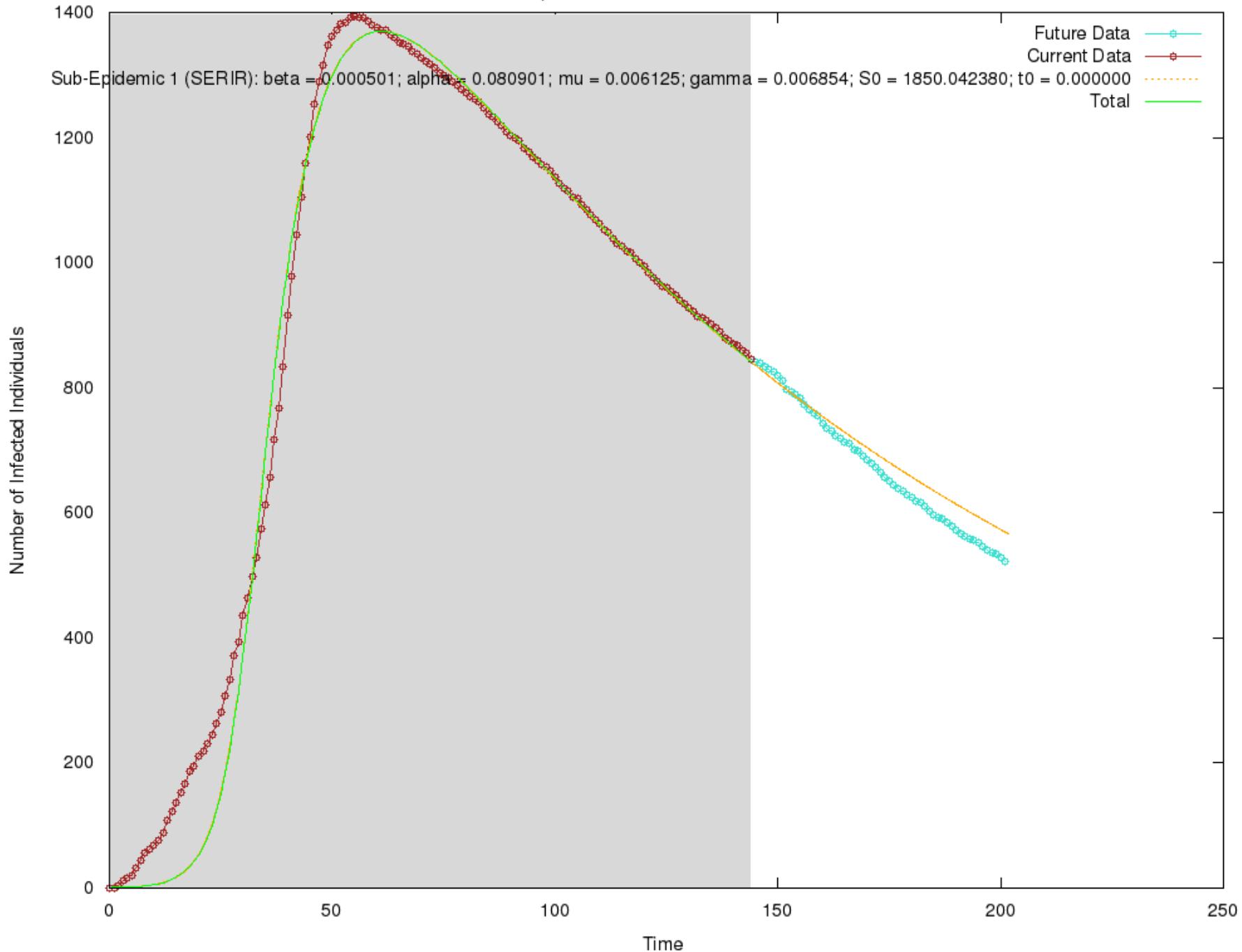
RSquare: 0.984752. Run number: 142



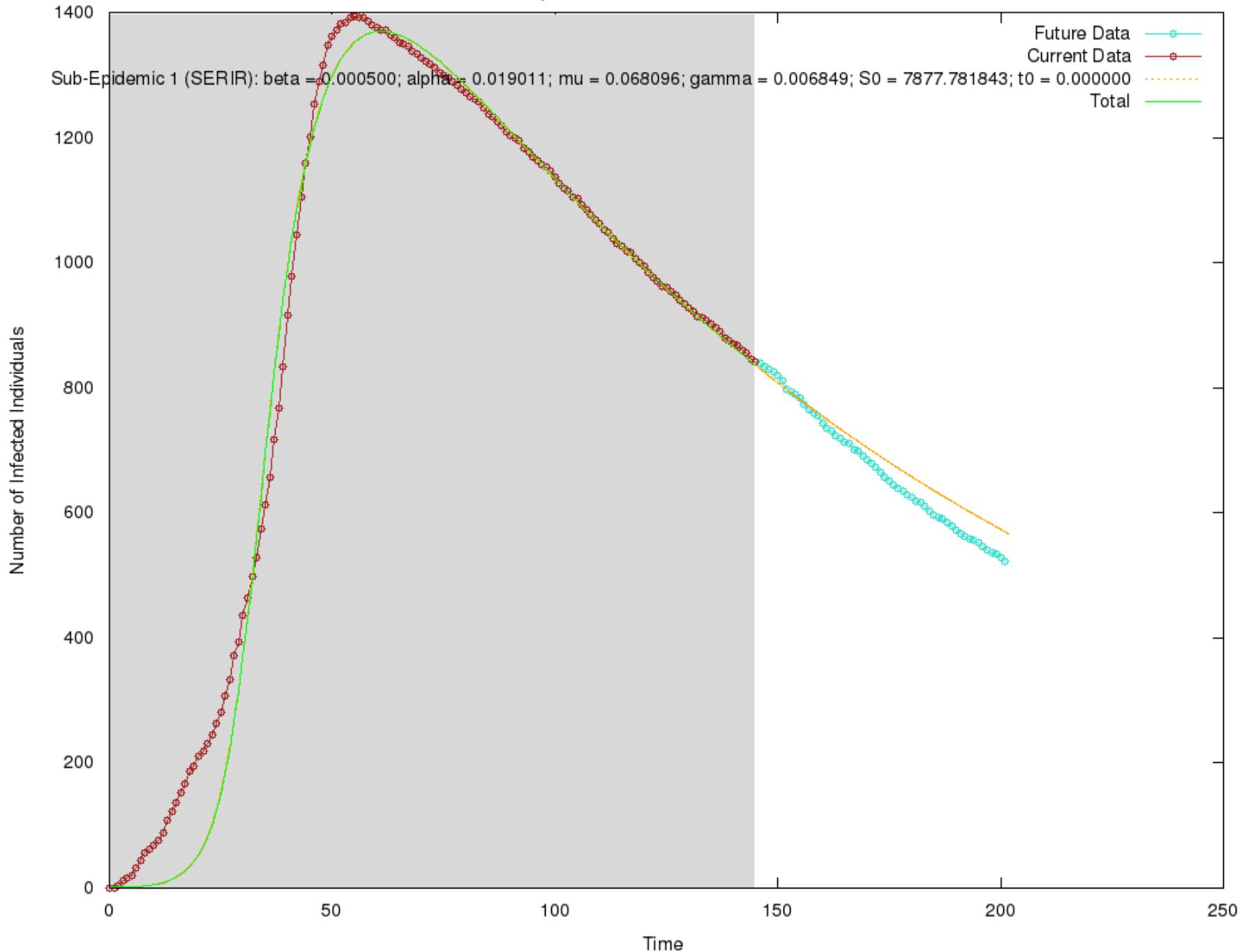
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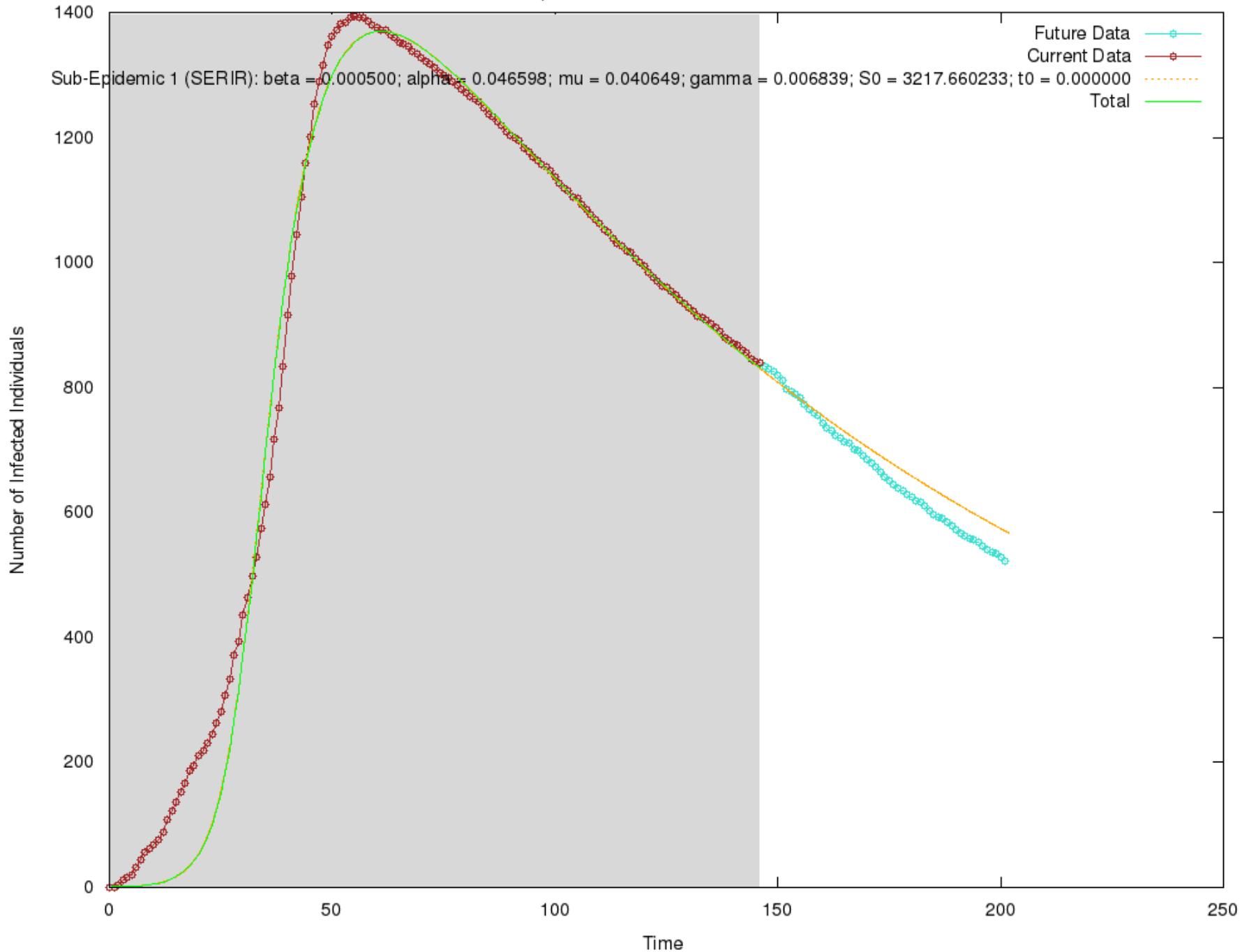
RSquare: 0.984753. Run number: 144



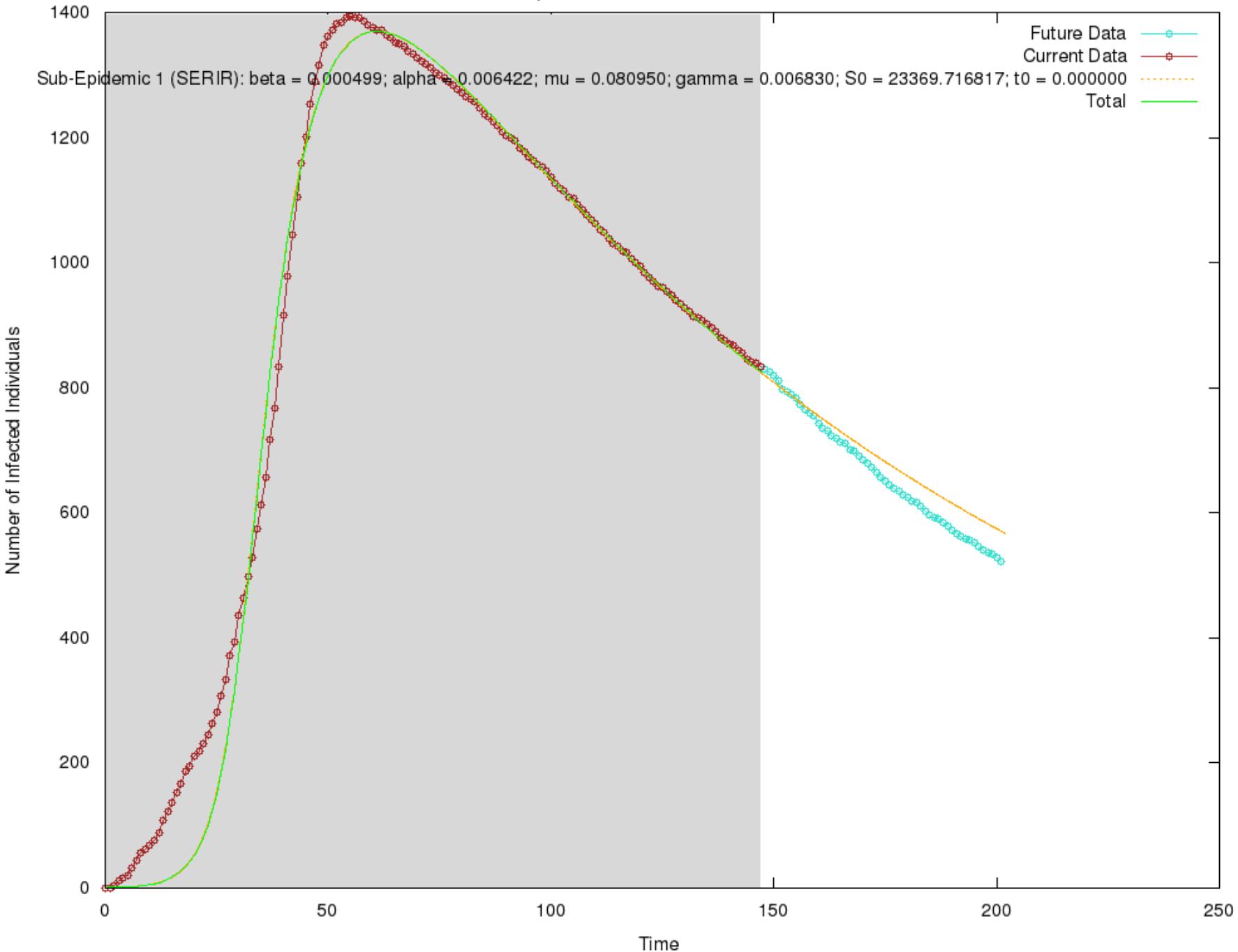
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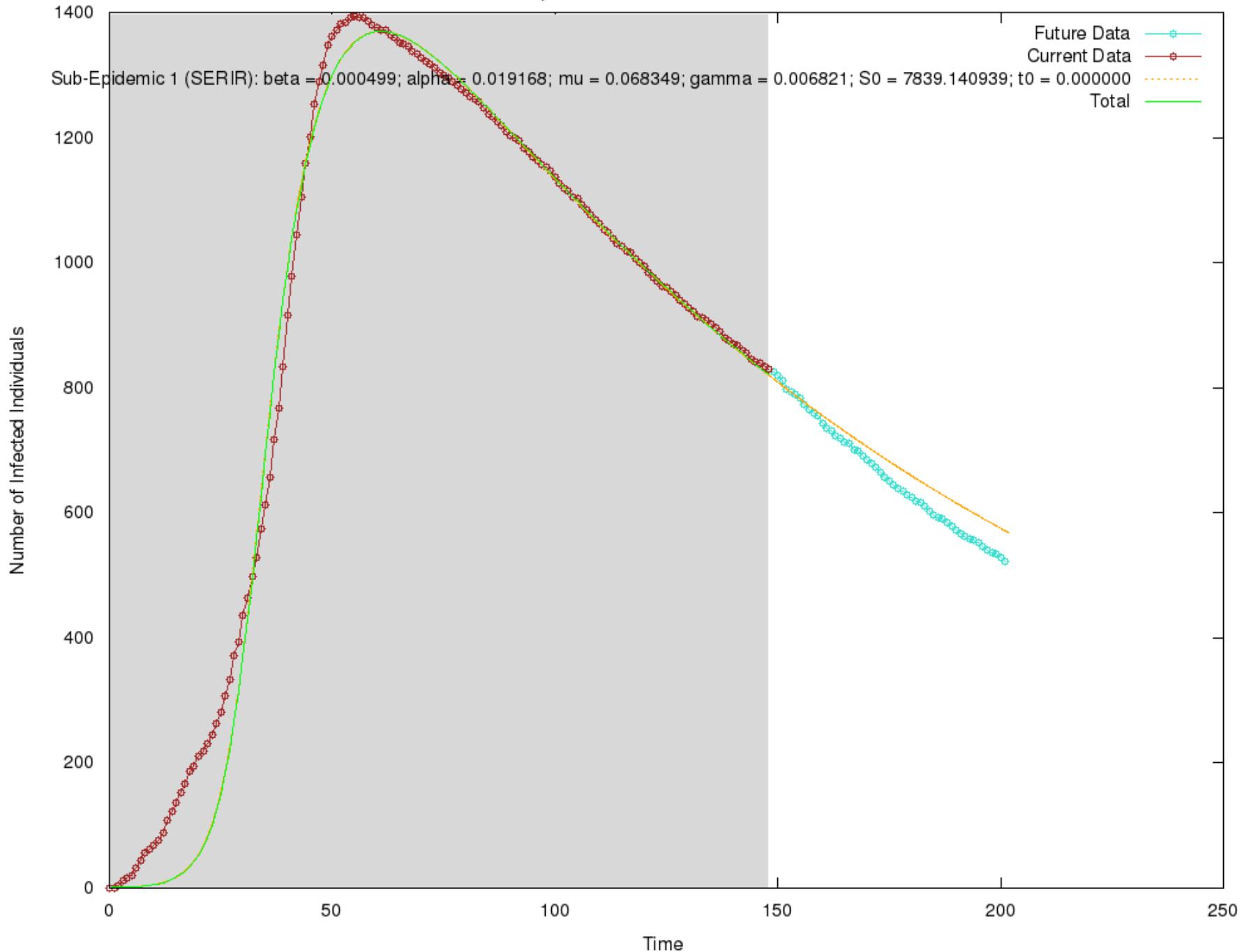
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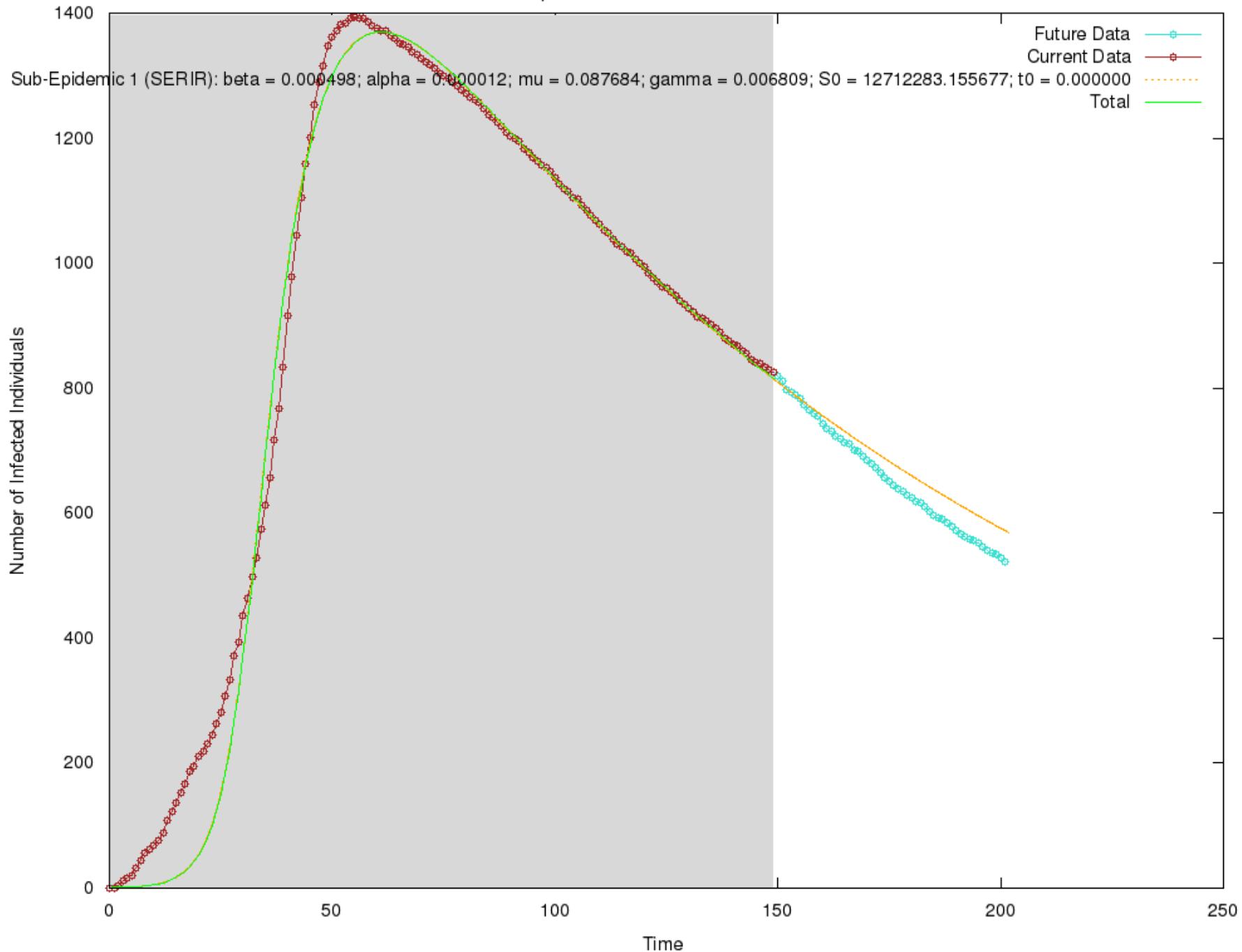
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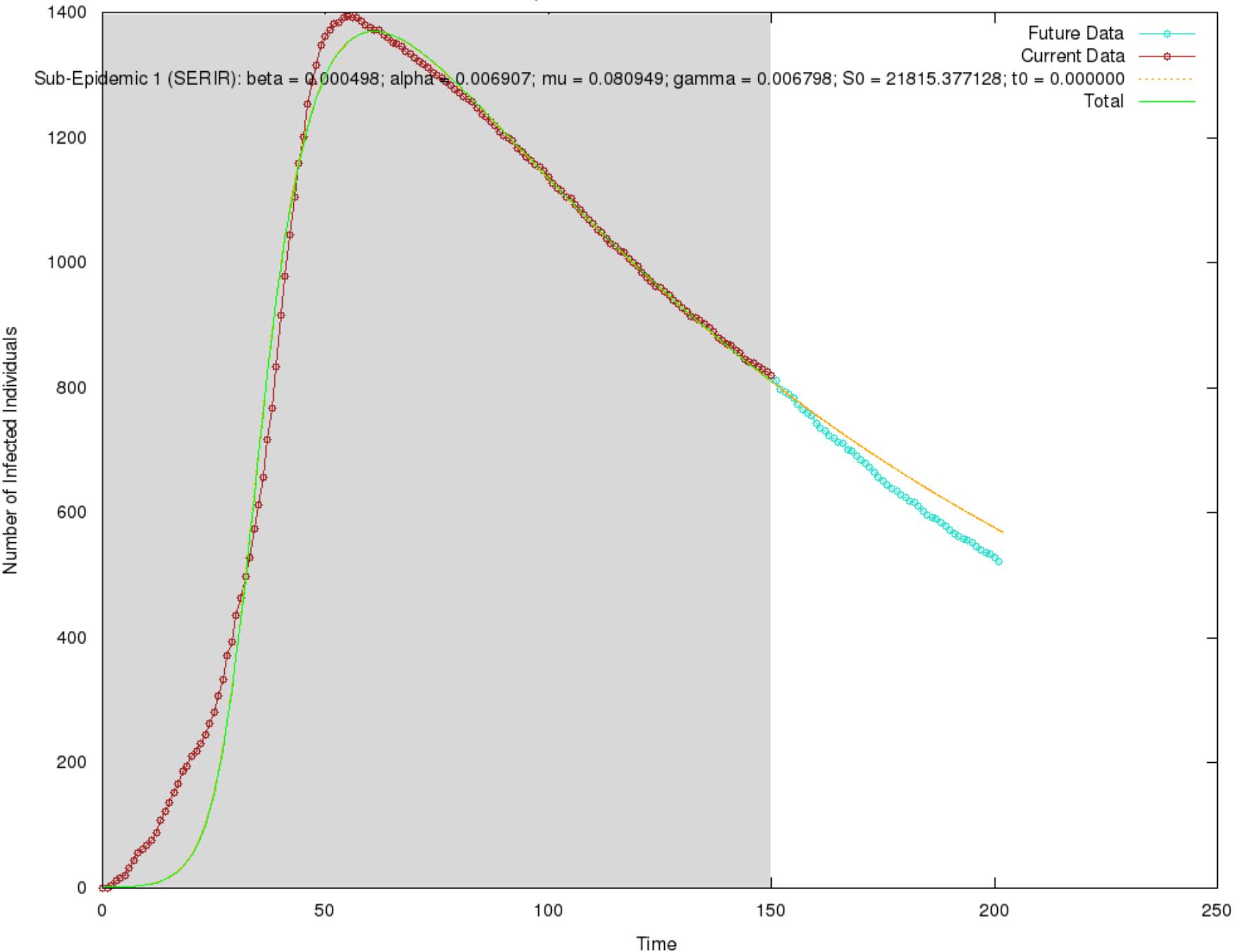
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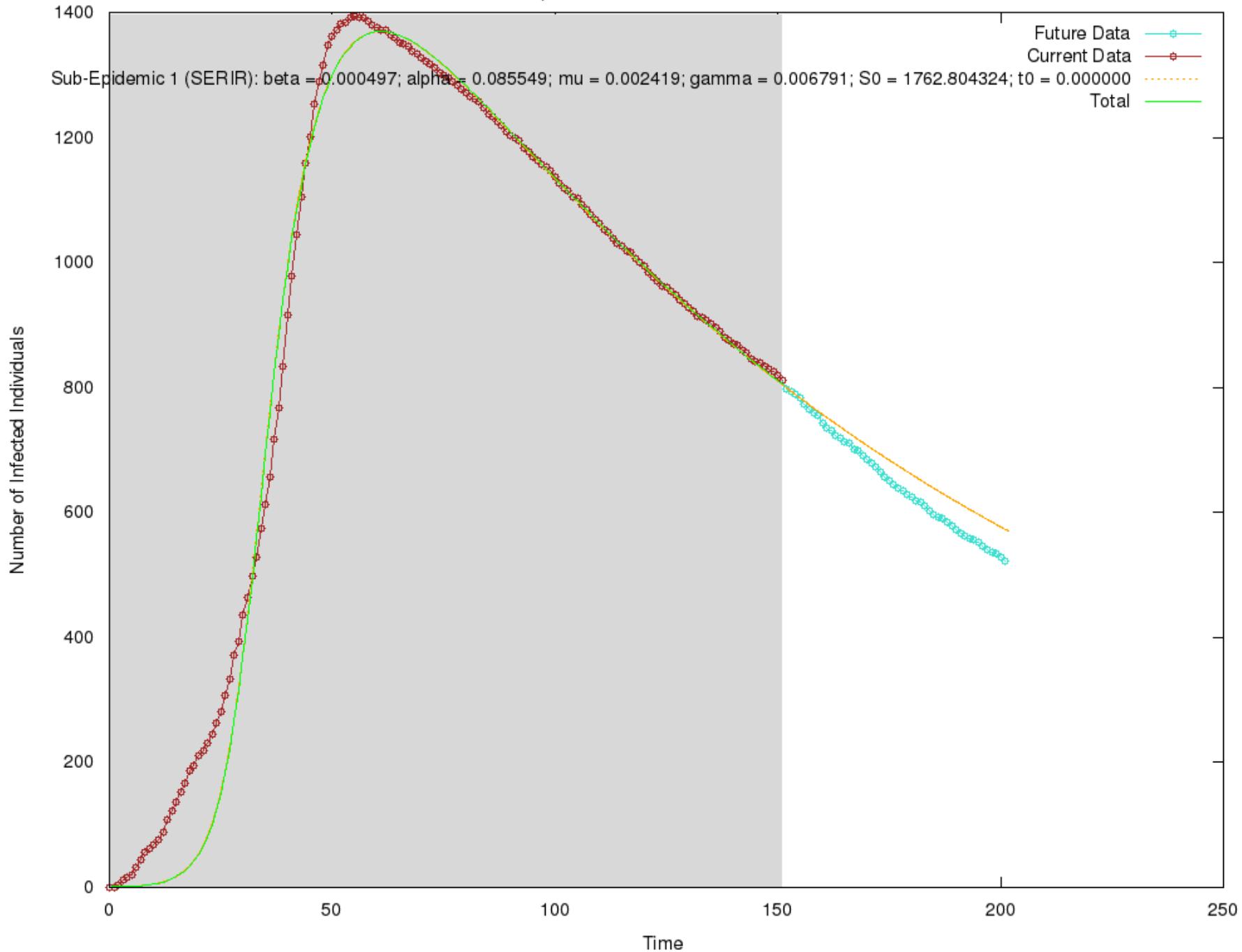
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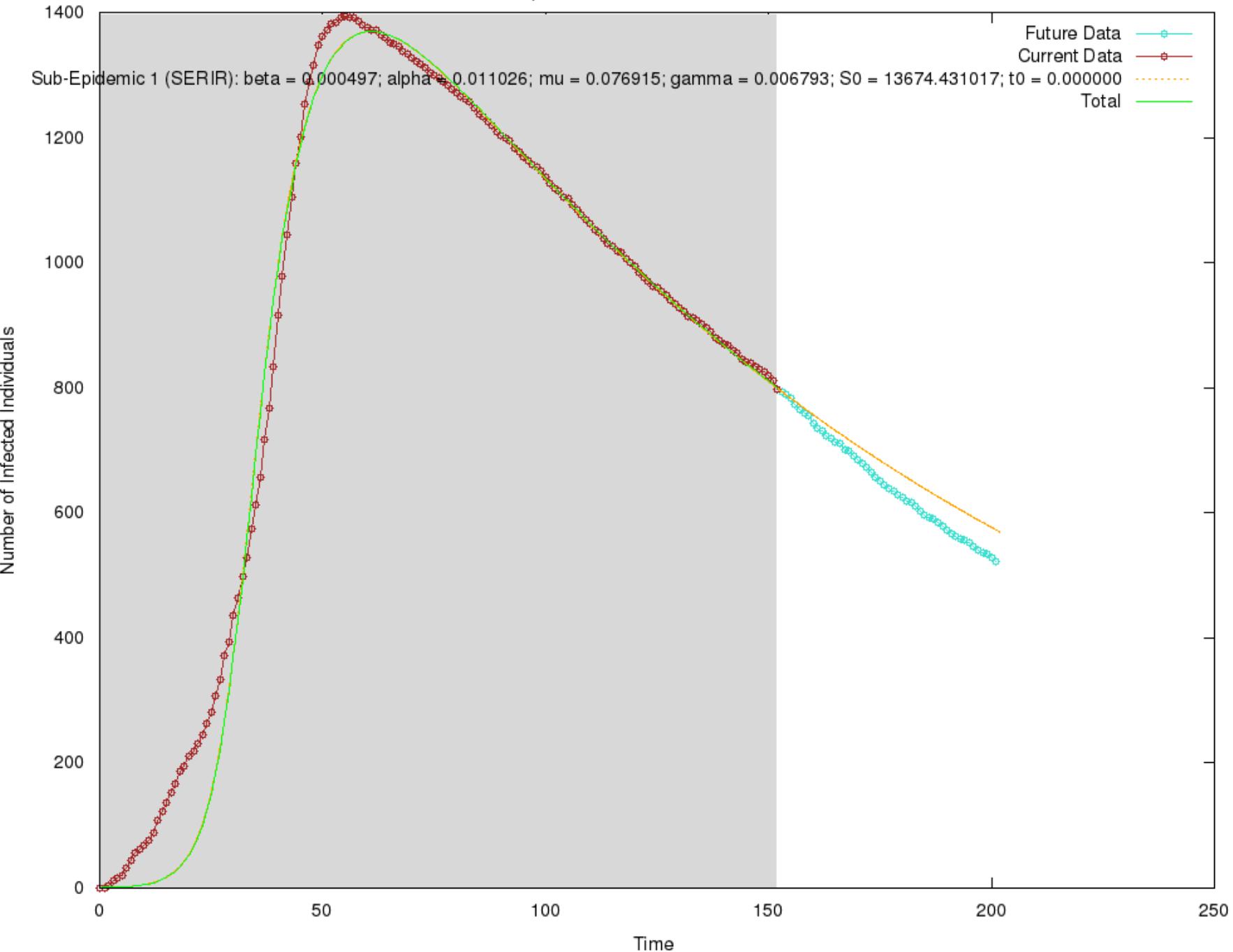
RSquare: 0.984754. Run number: 150



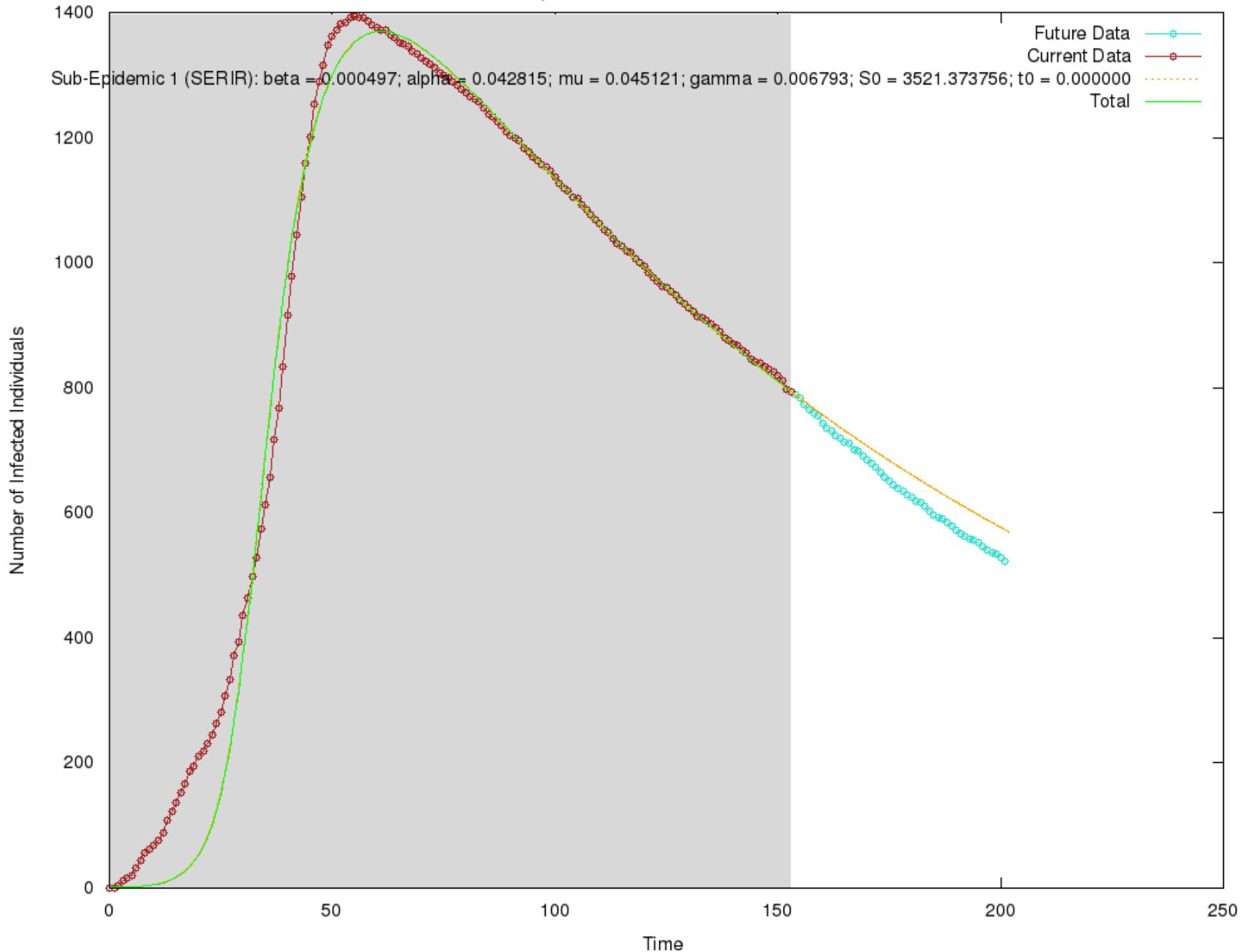
RSquare: 0.984757. Run number: 151



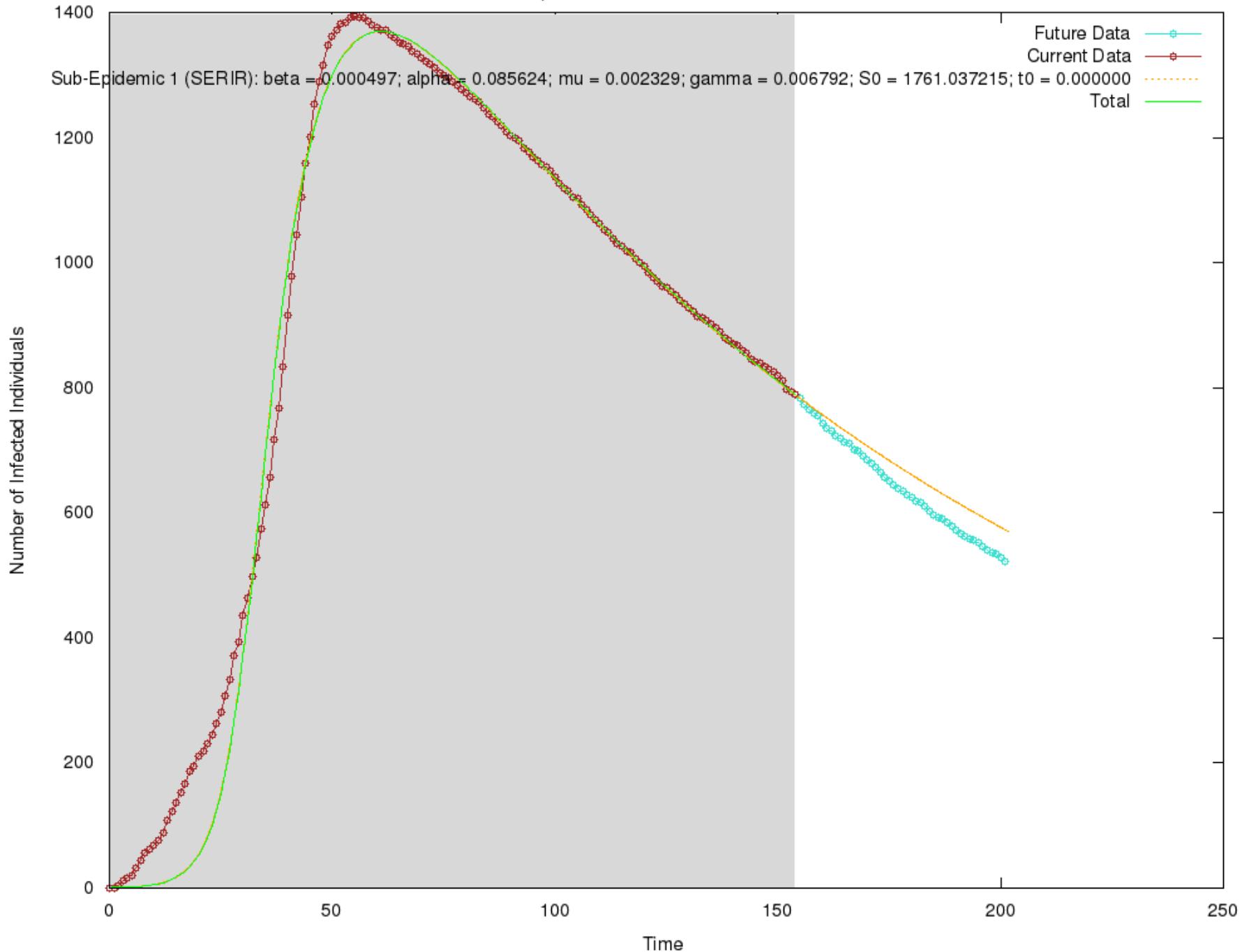
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RSquare: 0.984768. Run number: 153

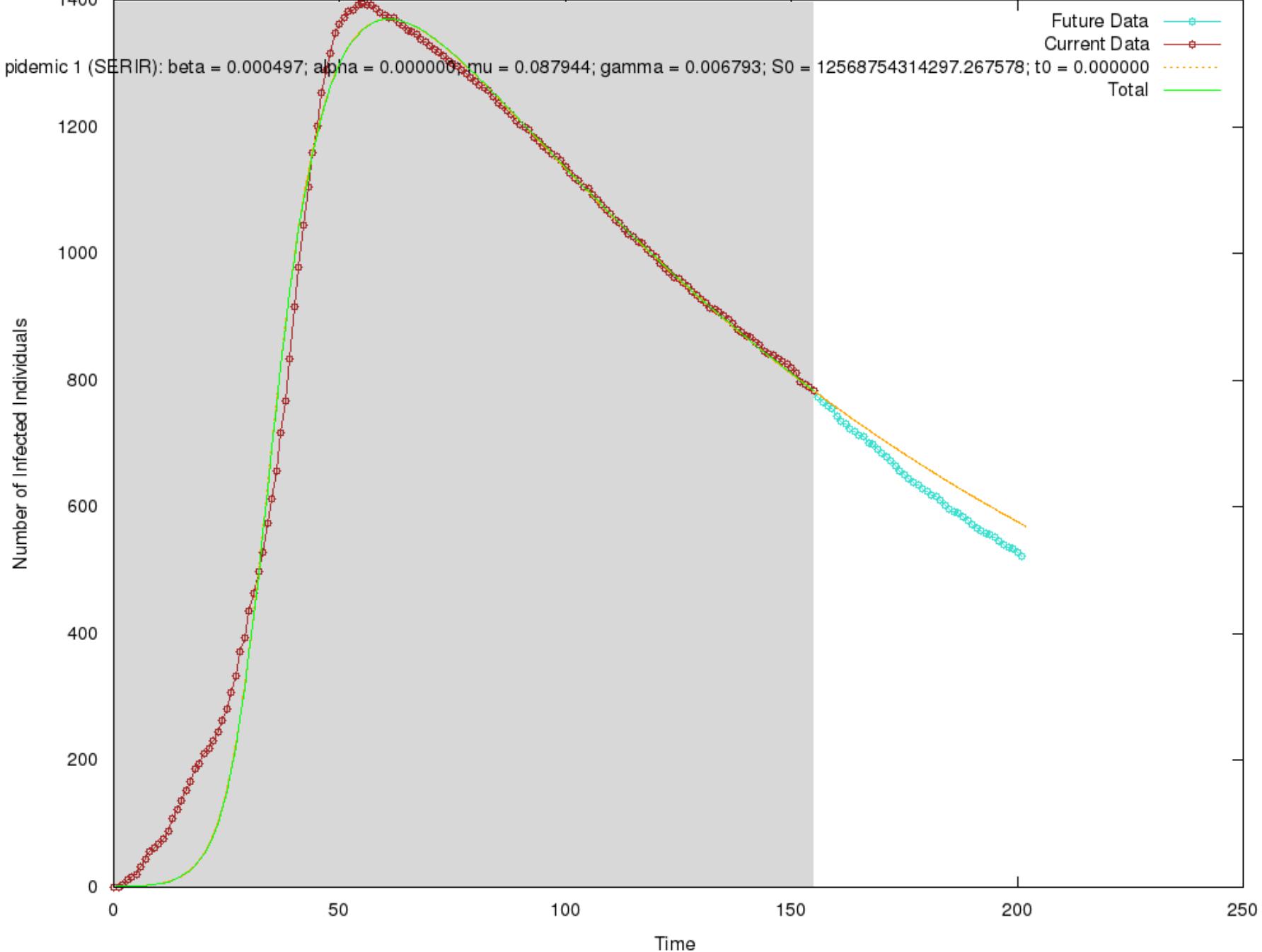


RSquare: 0.984774. Run number: 154

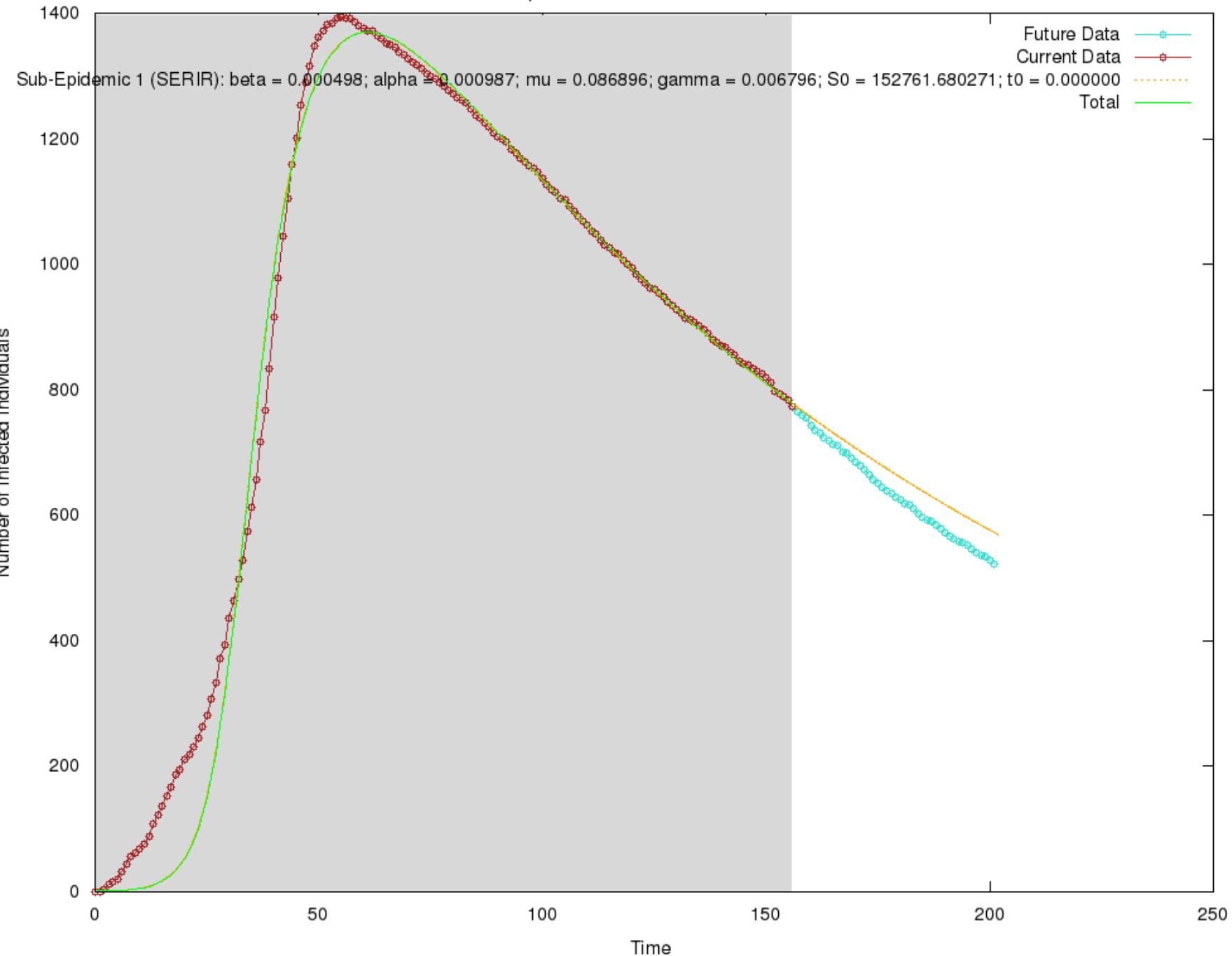


RSquare: 0.984782. Run number: 155

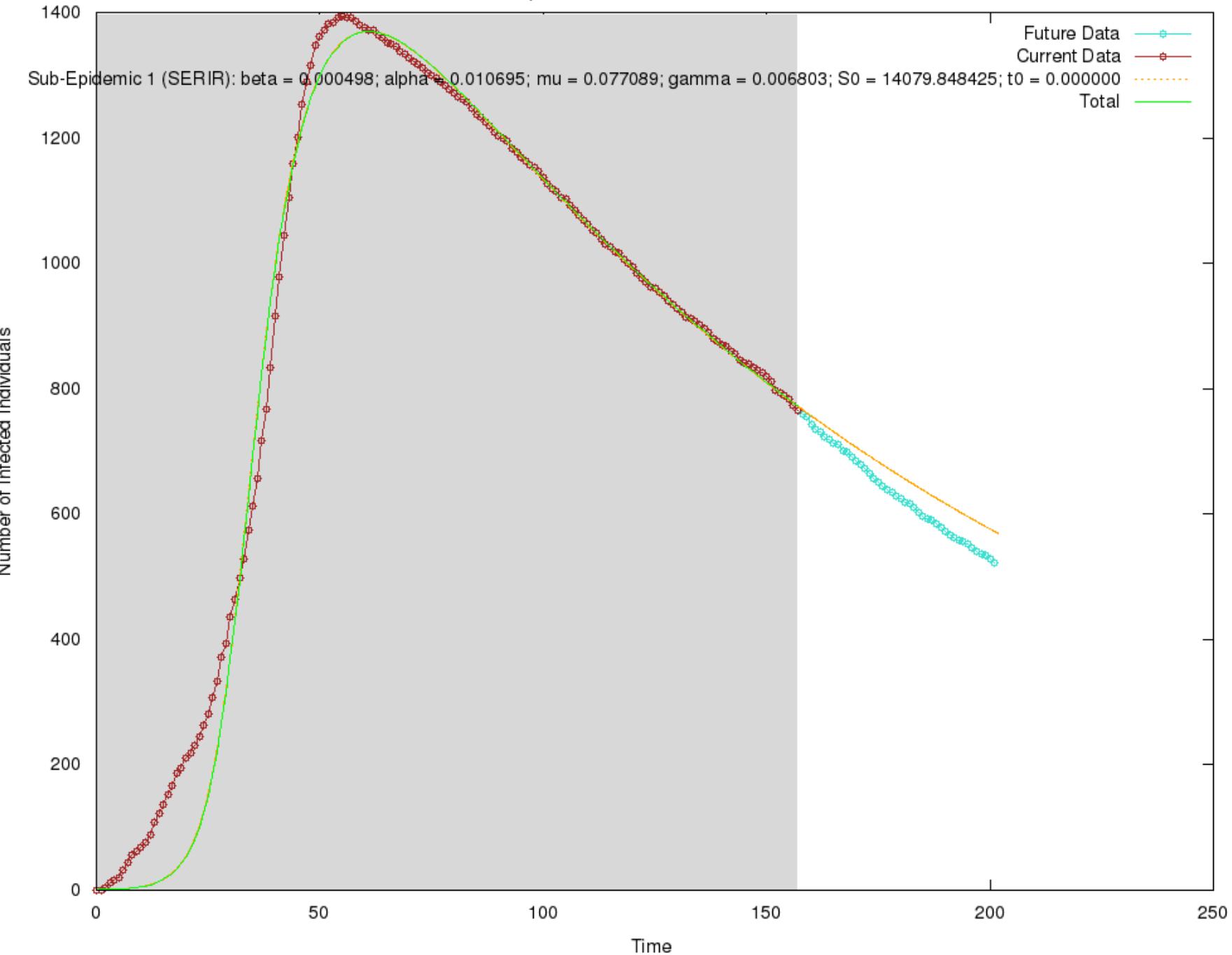
epidemic 1 (SERIR): beta = 0.000497; alpha = 0.000000; mu = 0.087944; gamma = 0.006793; S0 = 12568754314297.267578; t0 = 0.000000



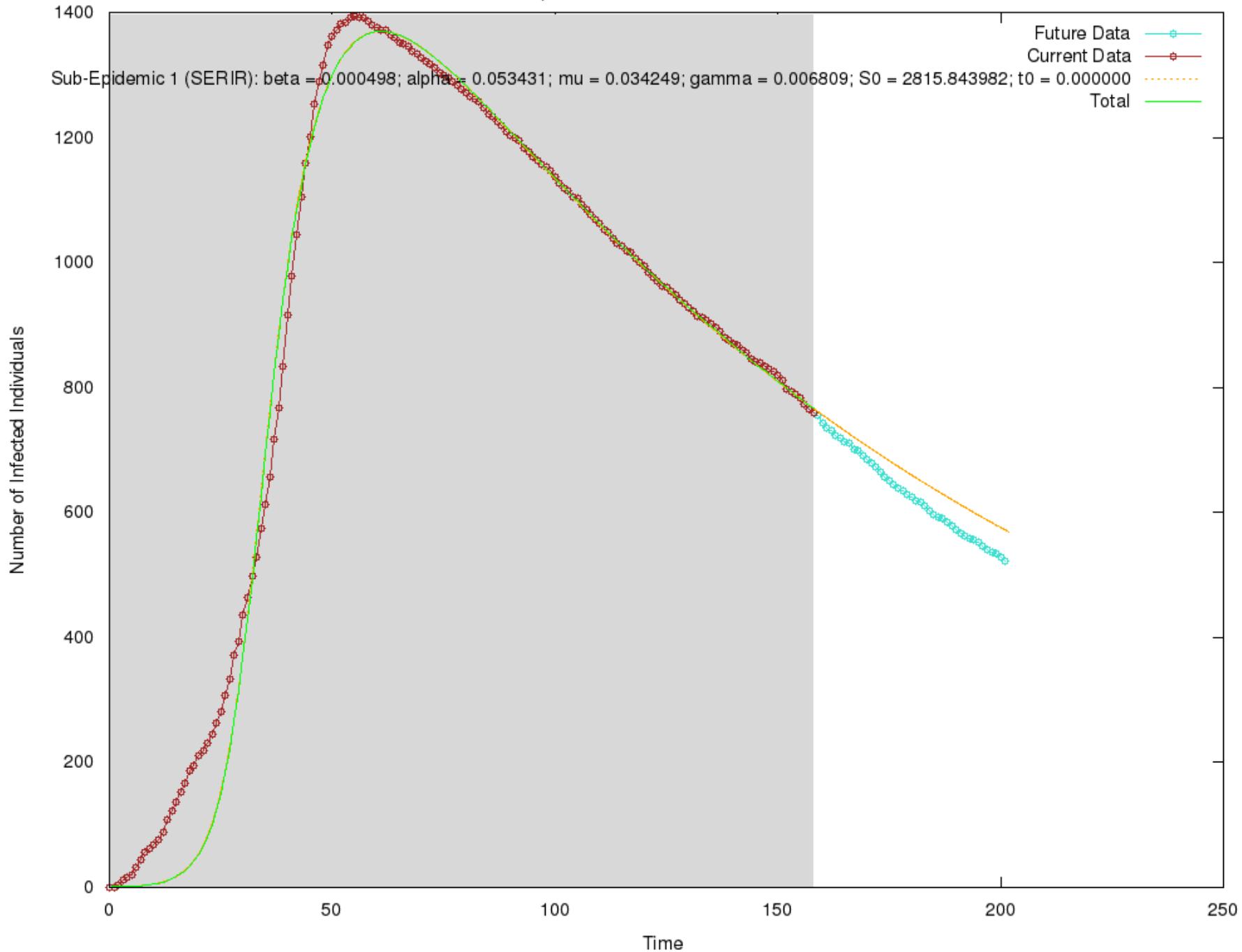
RSquare: 0.984789. Run number: 156



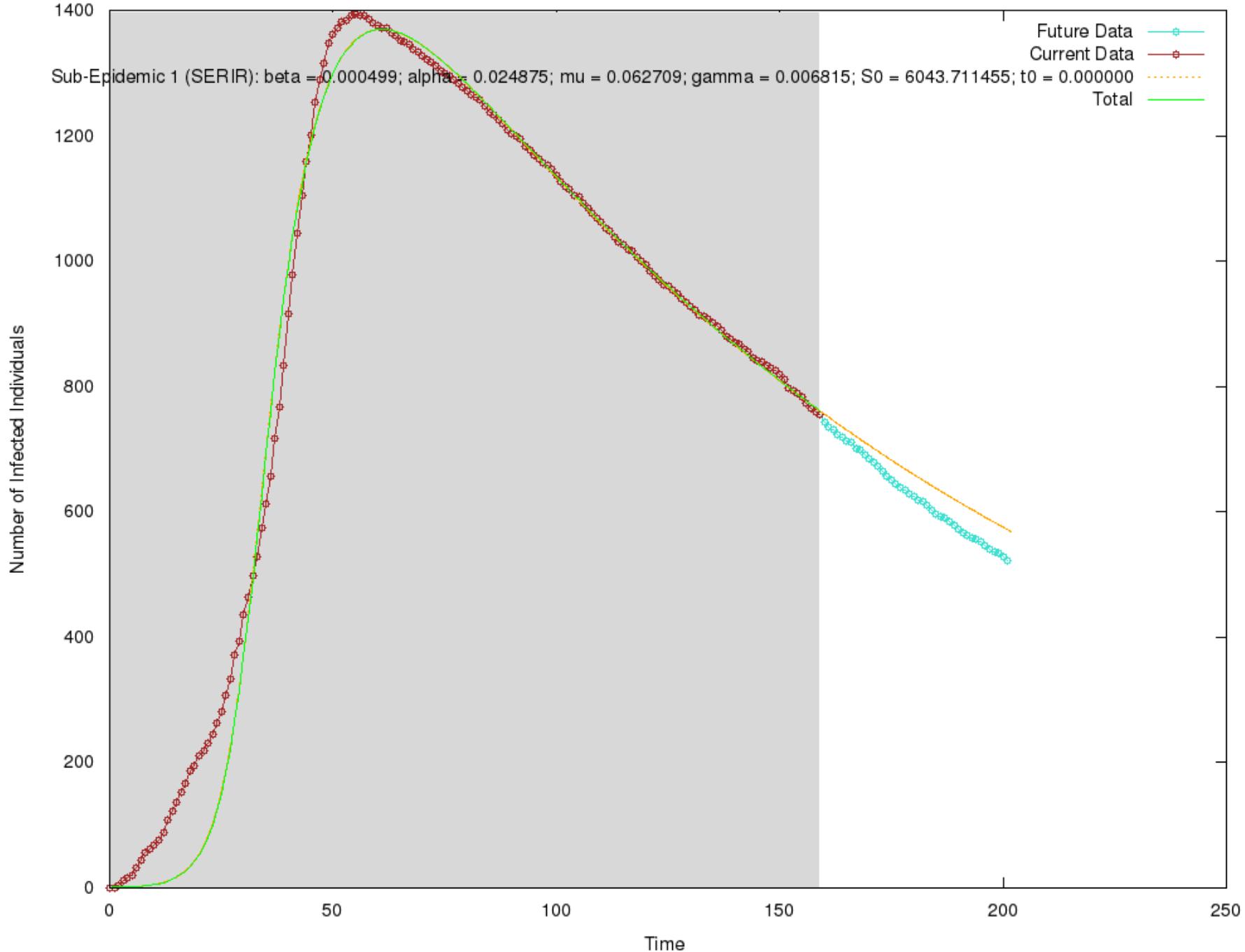
RSquare: 0.984797. Run number: 157



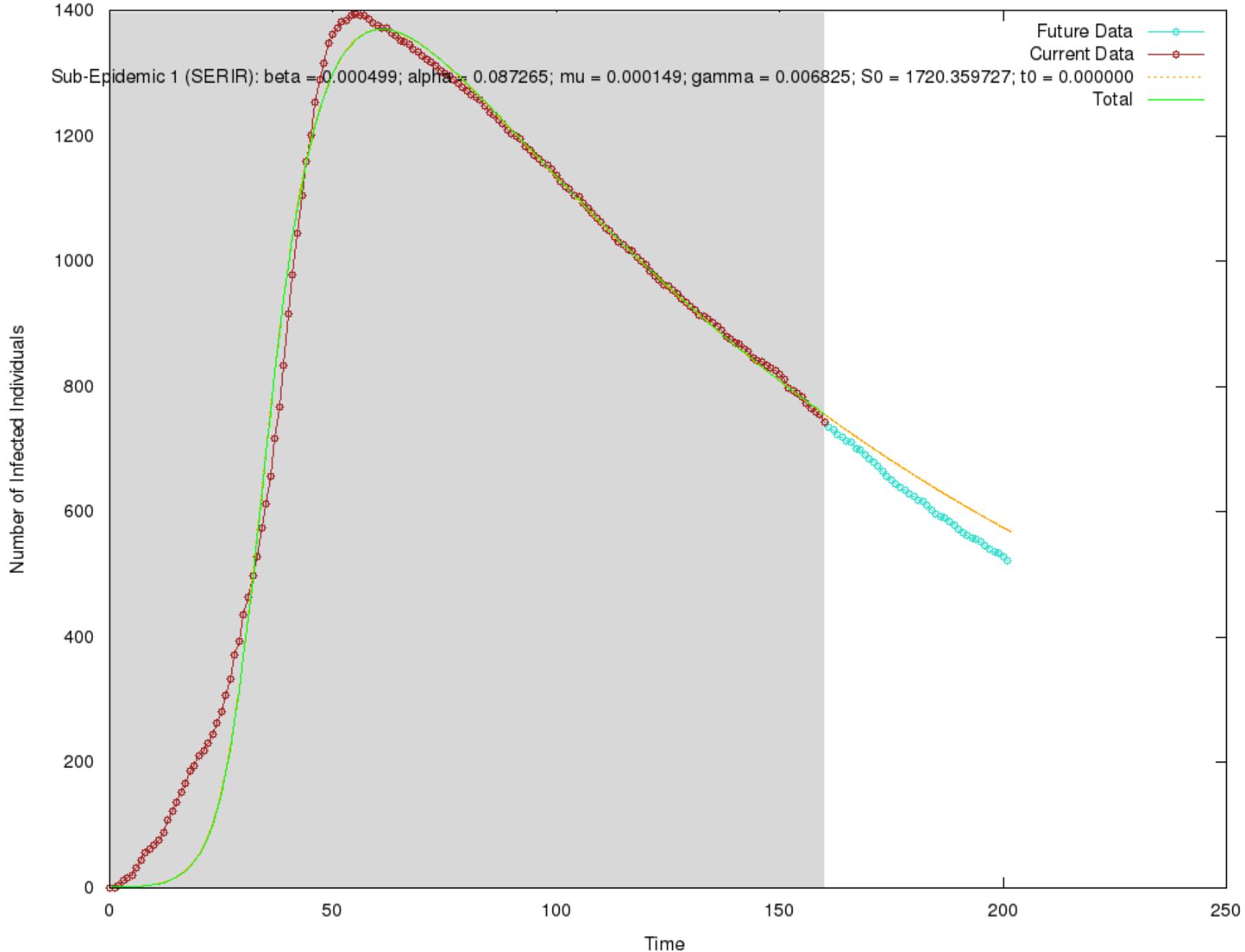
RSquare: 0.984805. Run number: 158



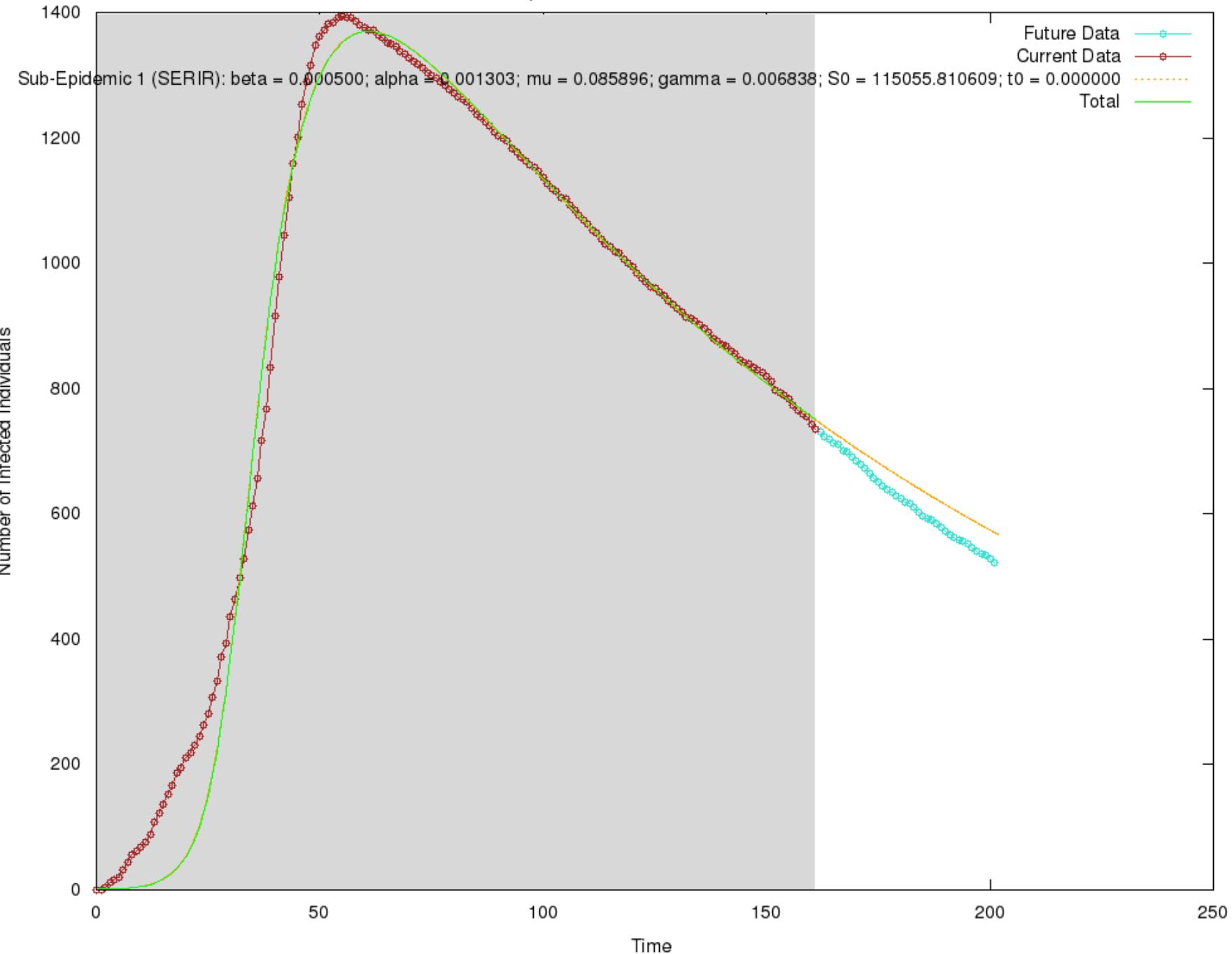
RSquare: 0.984813. Run number: 159



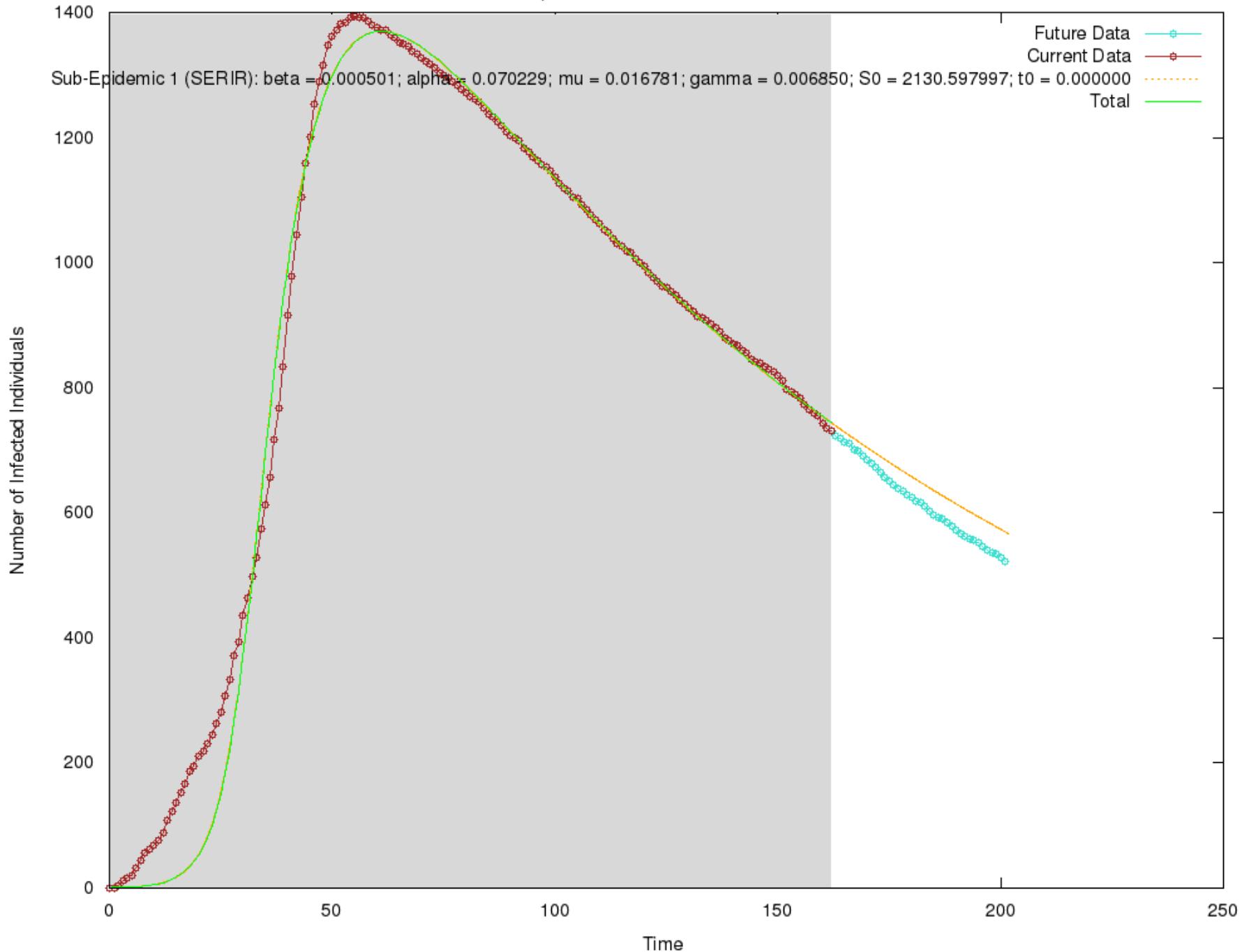
RSquare: 0.984820. Run number: 160



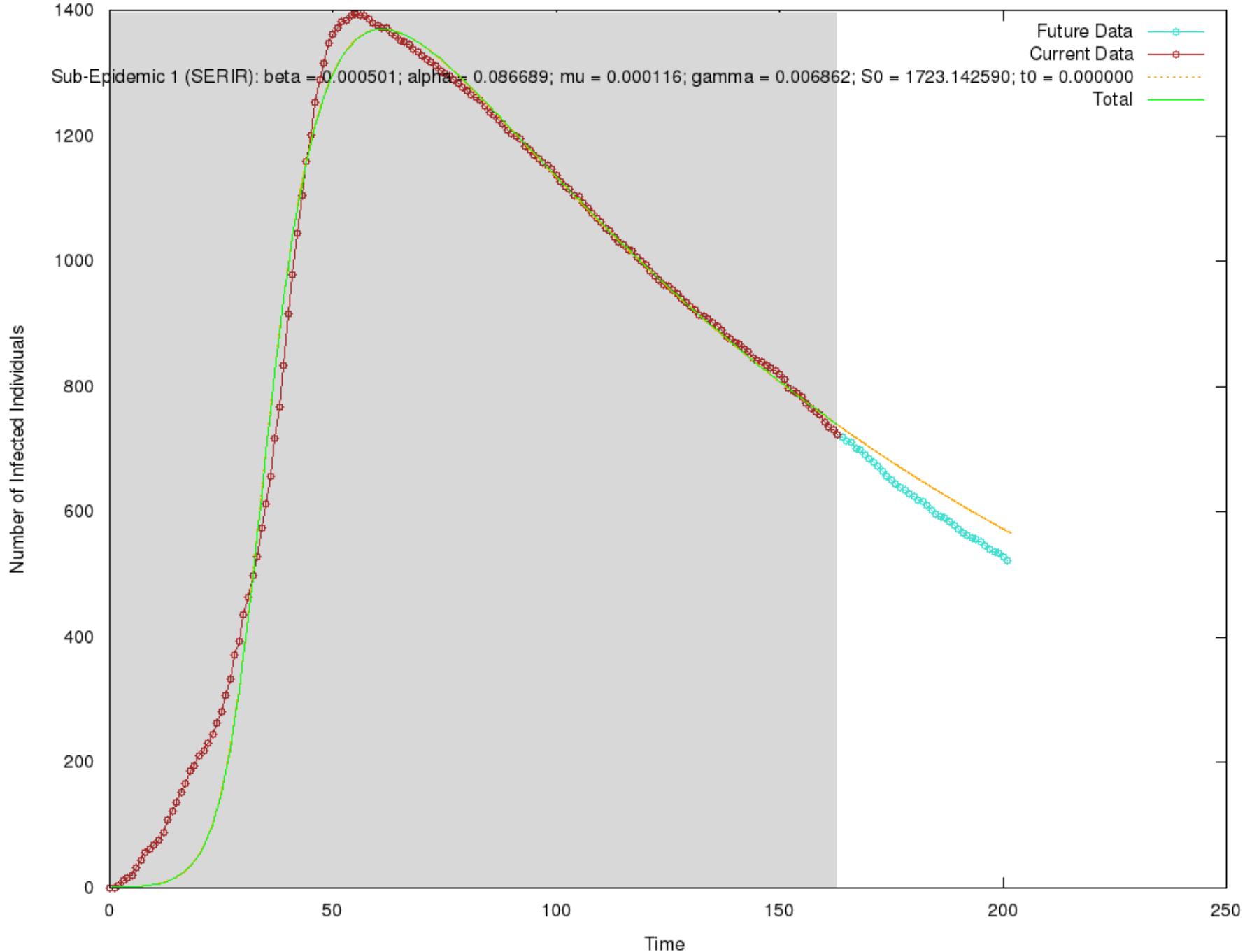
RSquare: 0.984825. Run number: 161



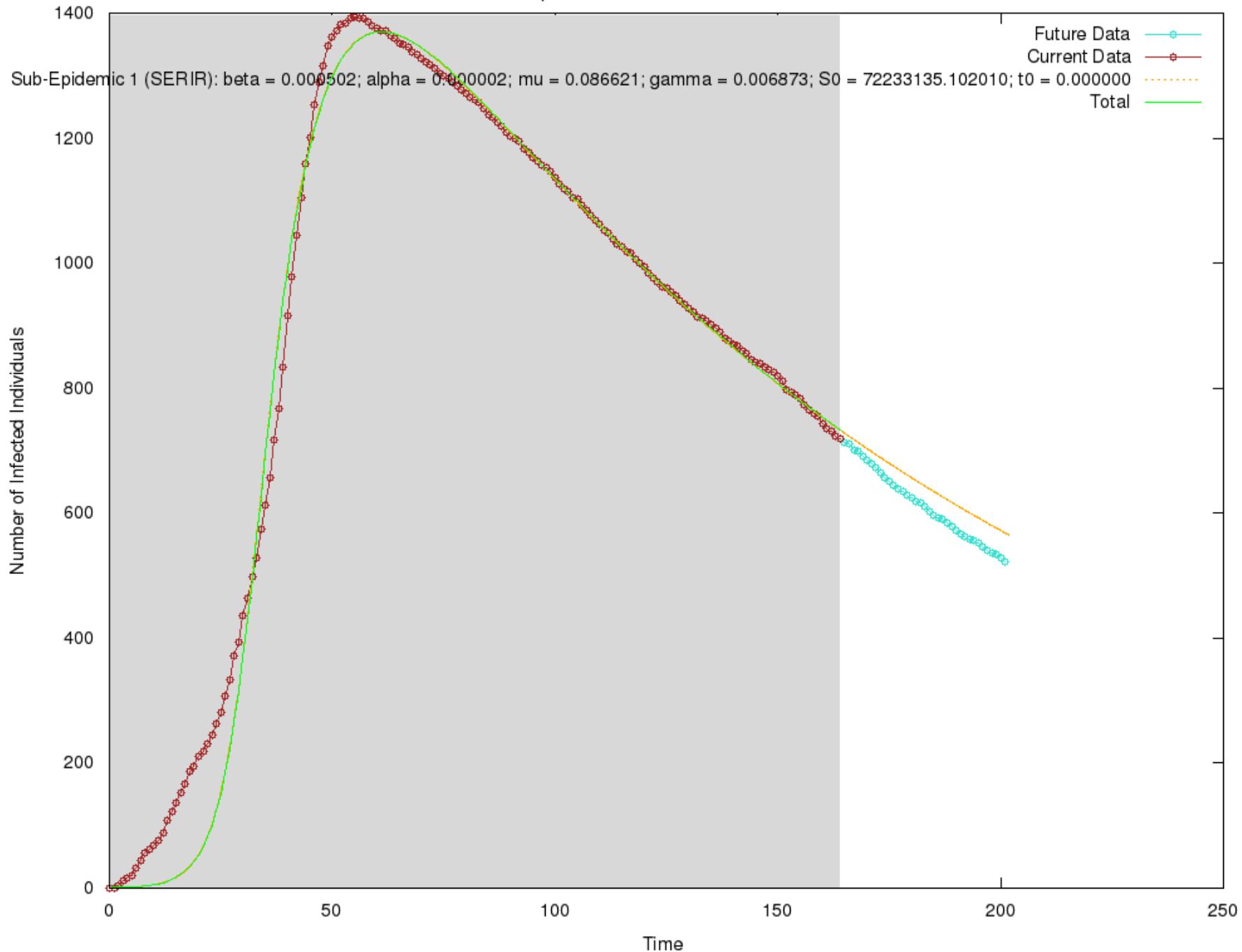
RSquare: 0.984832. Run number: 162



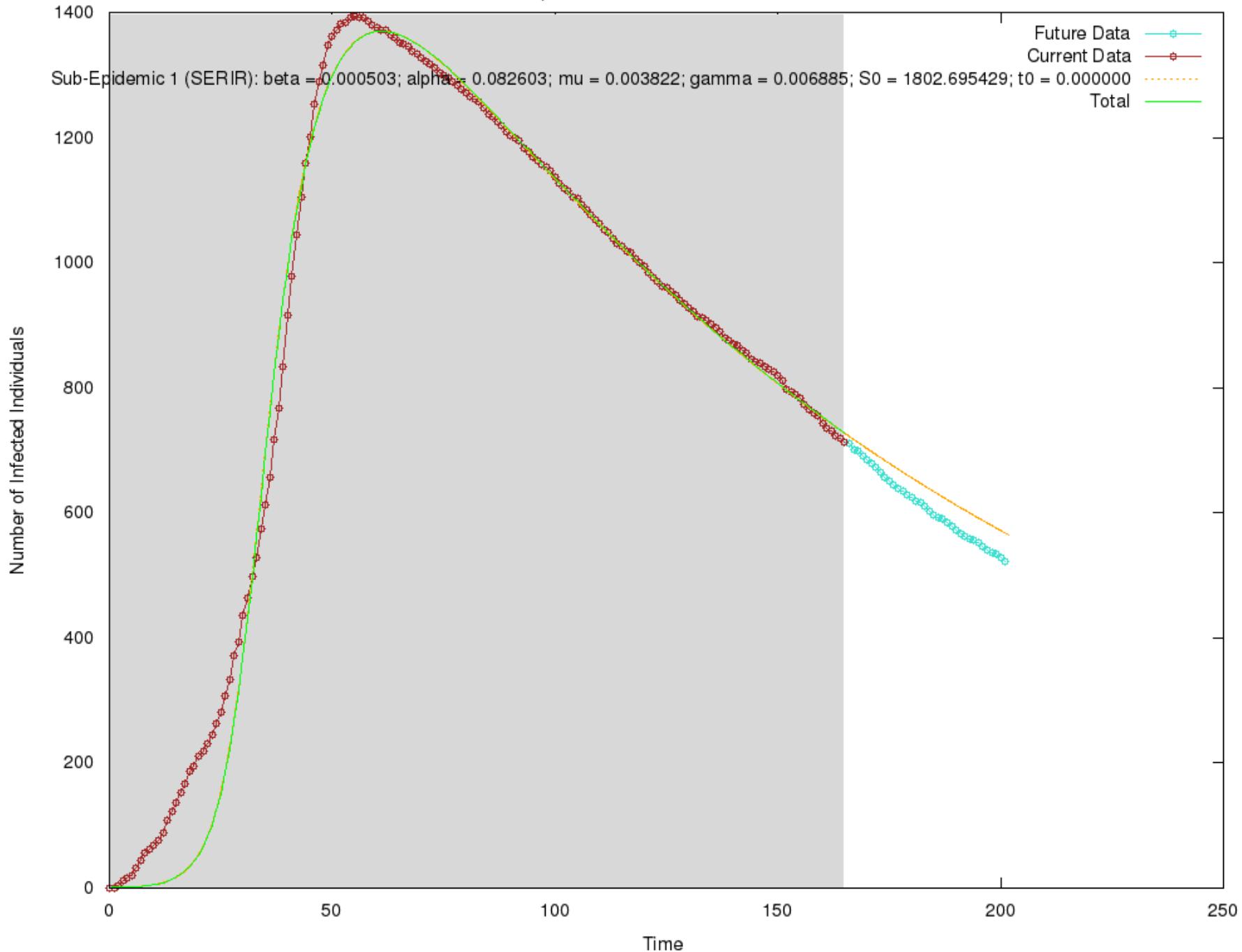
RSquare: 0.984838. Run number: 163



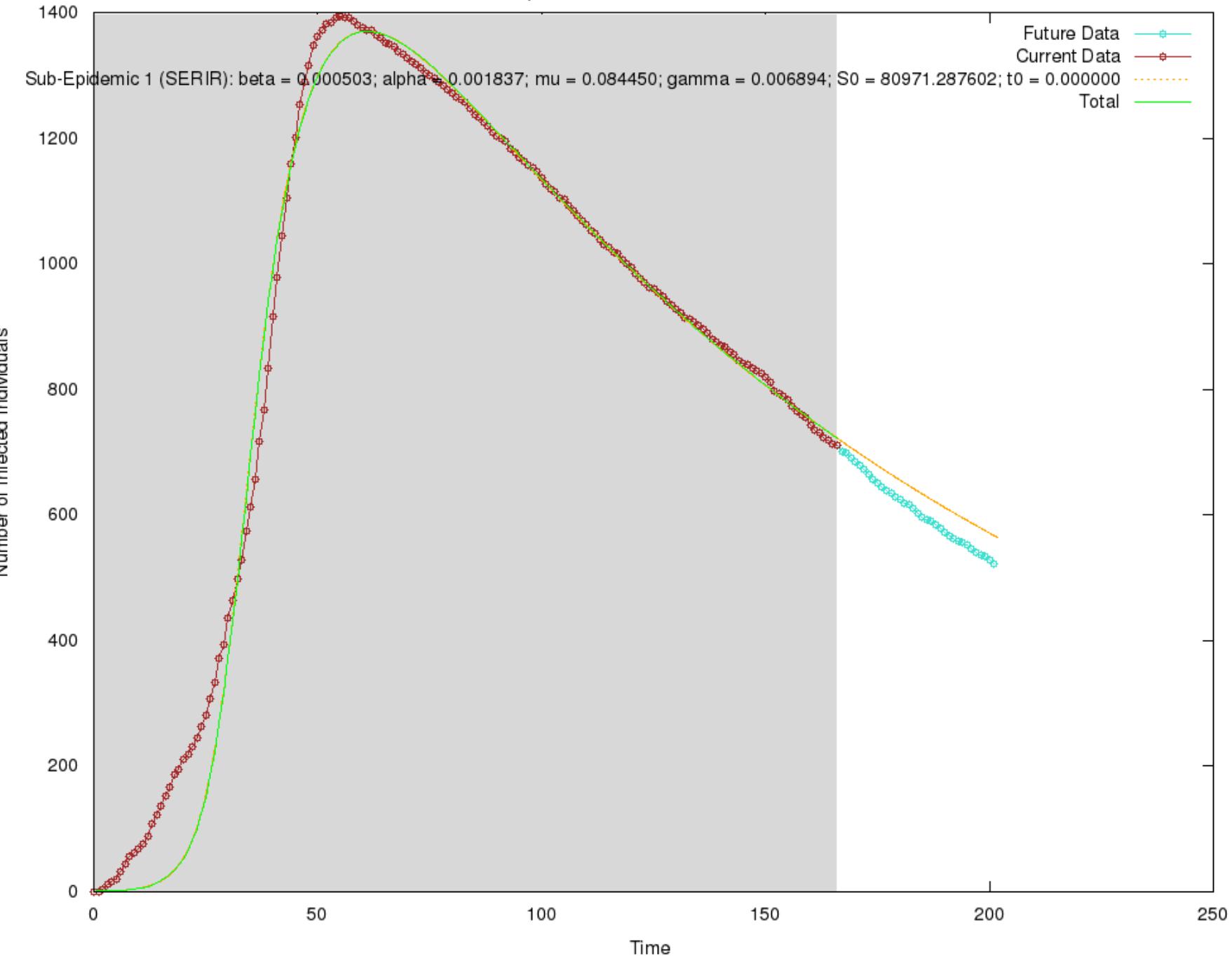
RSquare: 0.984847. Run number: 164



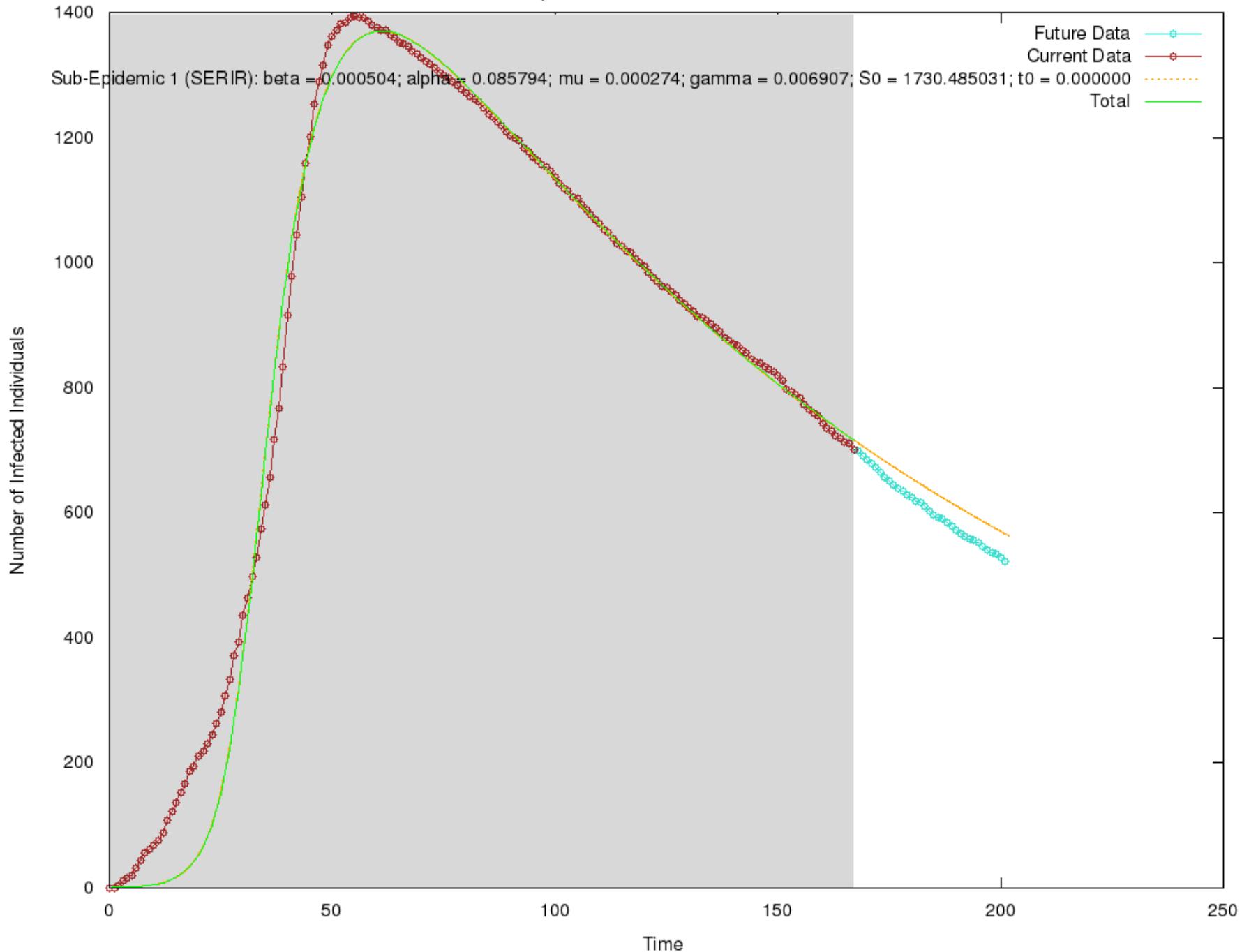
RSquare: 0.984855. Run number: 165



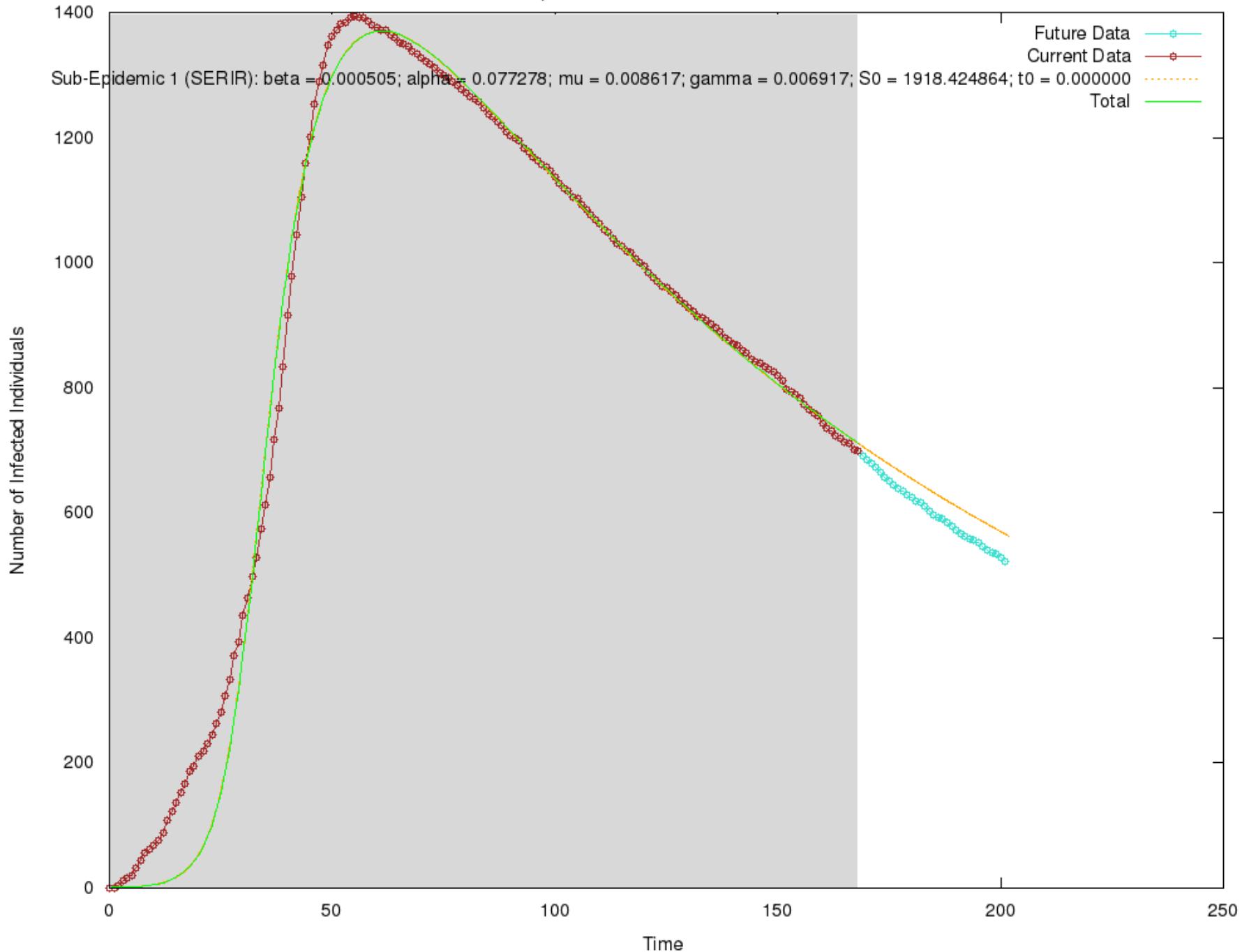
RSquare: 0.984868. Run number: 166



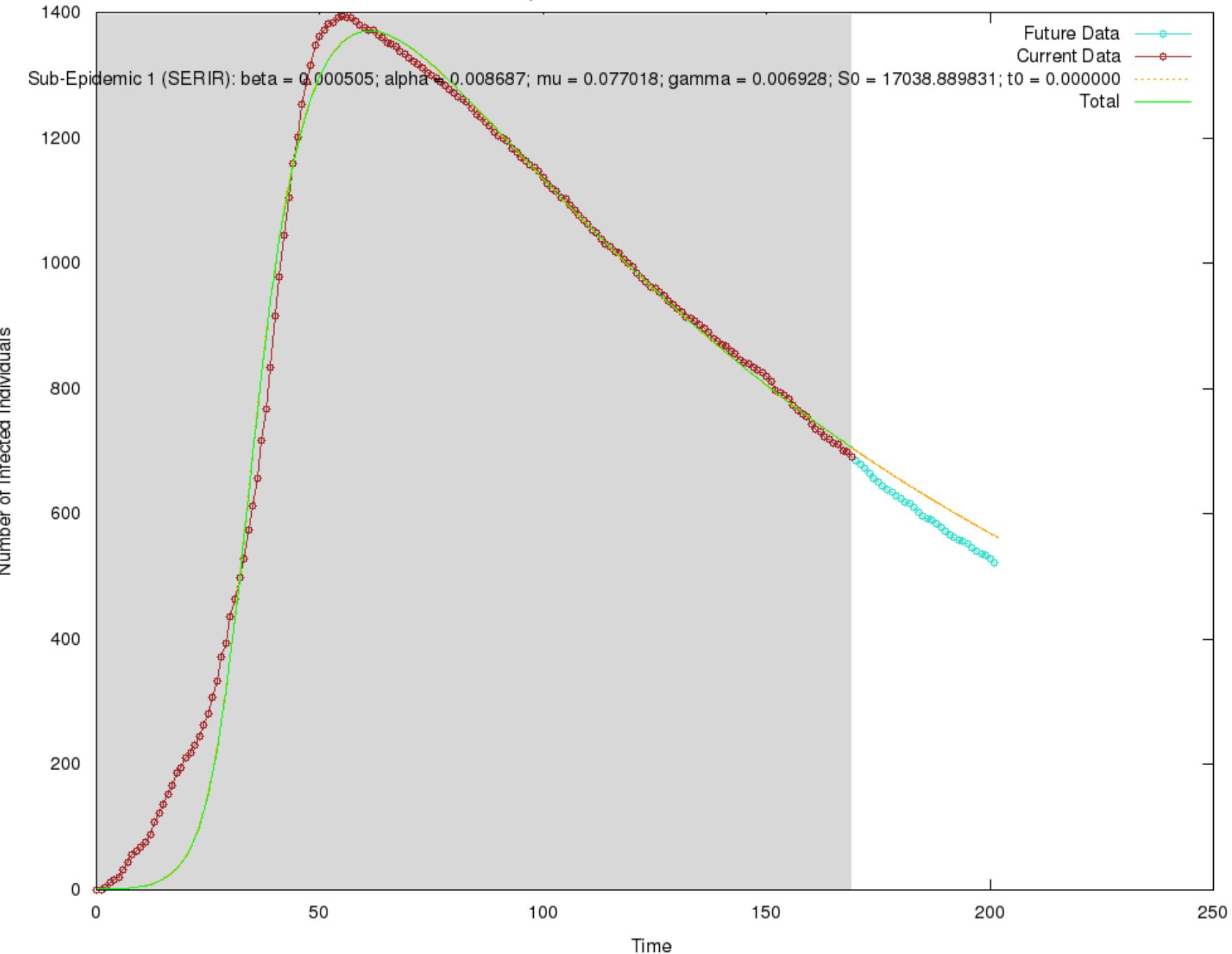
RSquare: 0.984876. Run number: 167



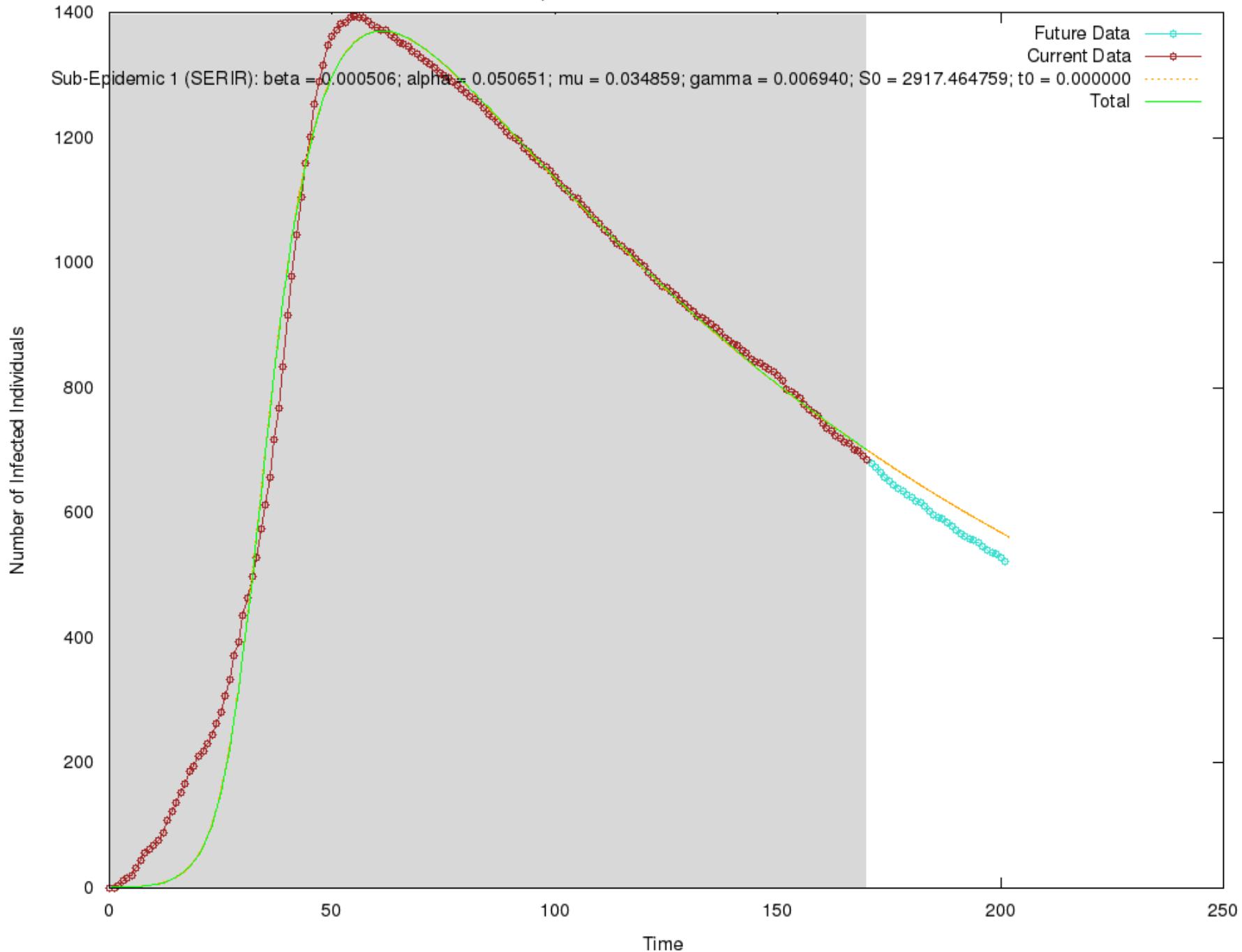
RSquare: 0.984887. Run number: 168



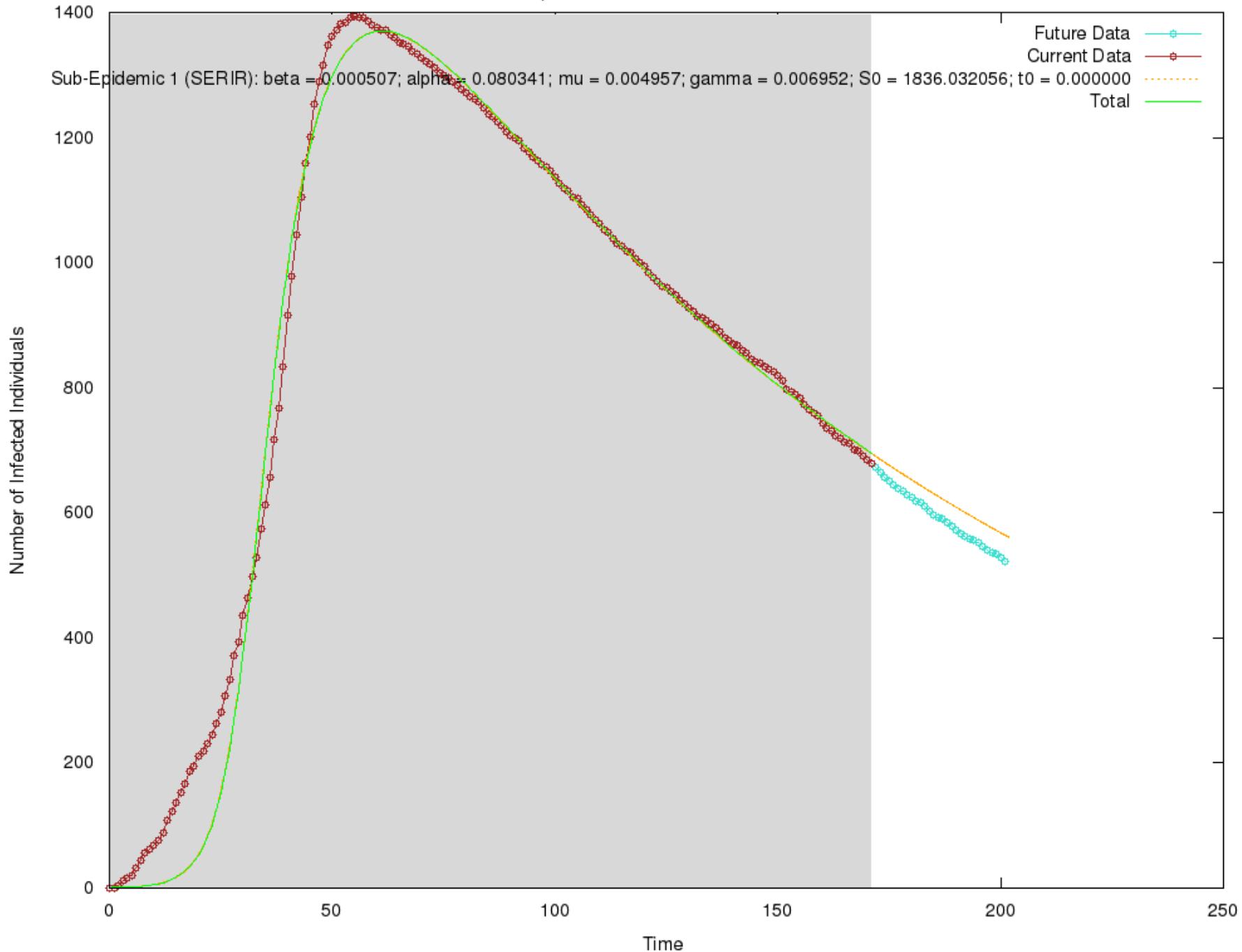
RSquare: 0.984899. Run number: 169



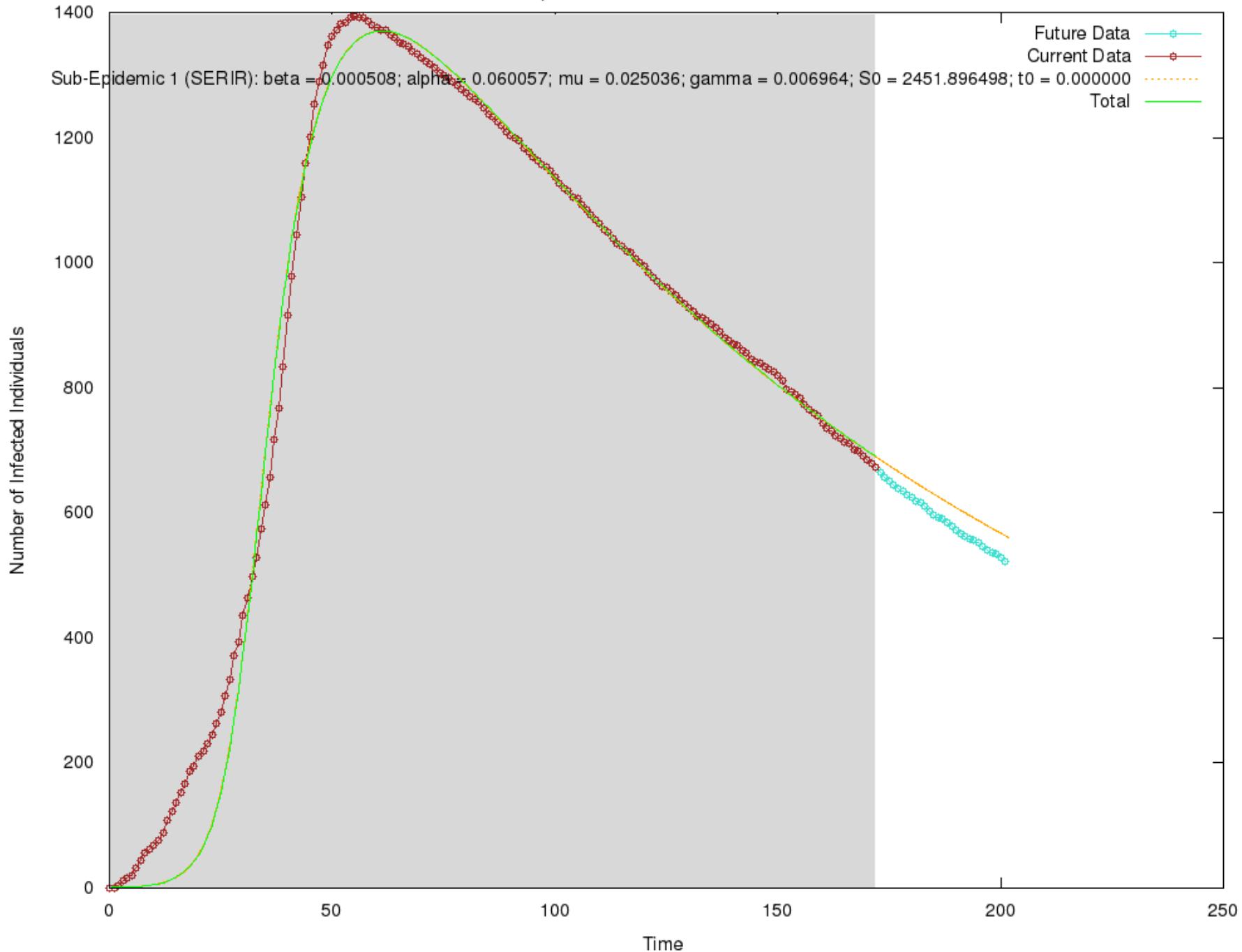
RSquare: 0.984910. Run number: 170



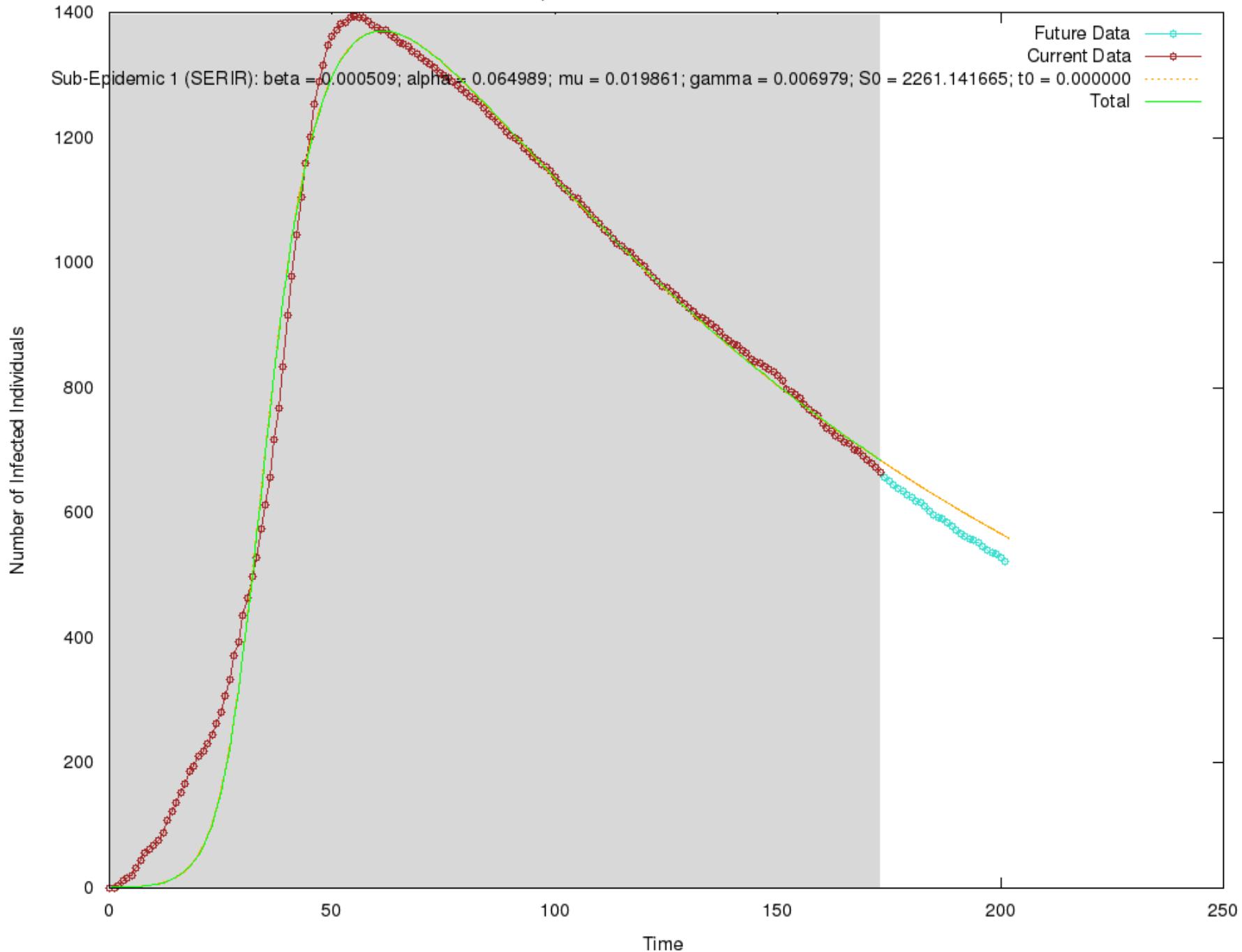
RSquare: 0.984921. Run number: 171



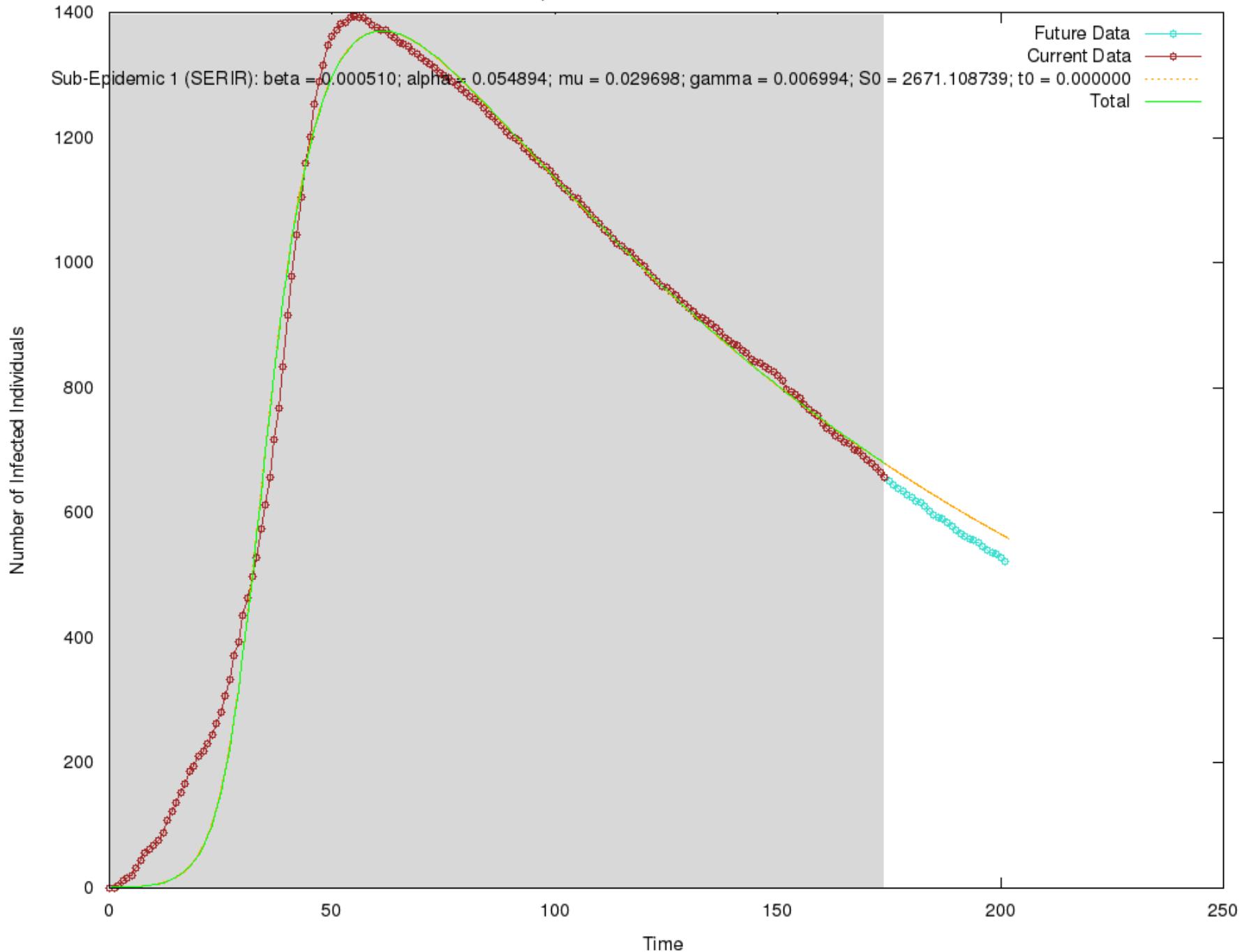
RSquare: 0.984933. Run number: 172



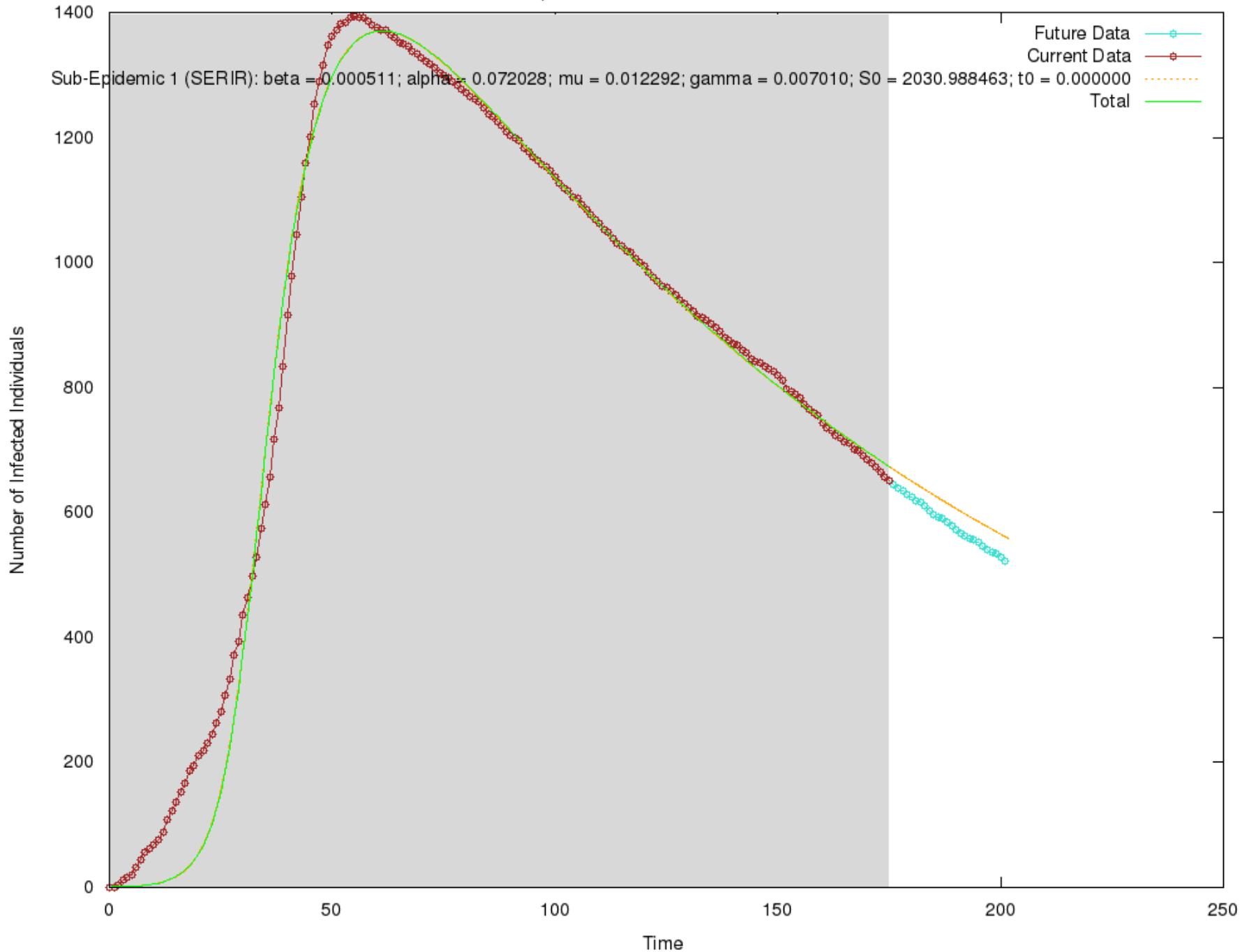
RSquare: 0.984942. Run number: 173



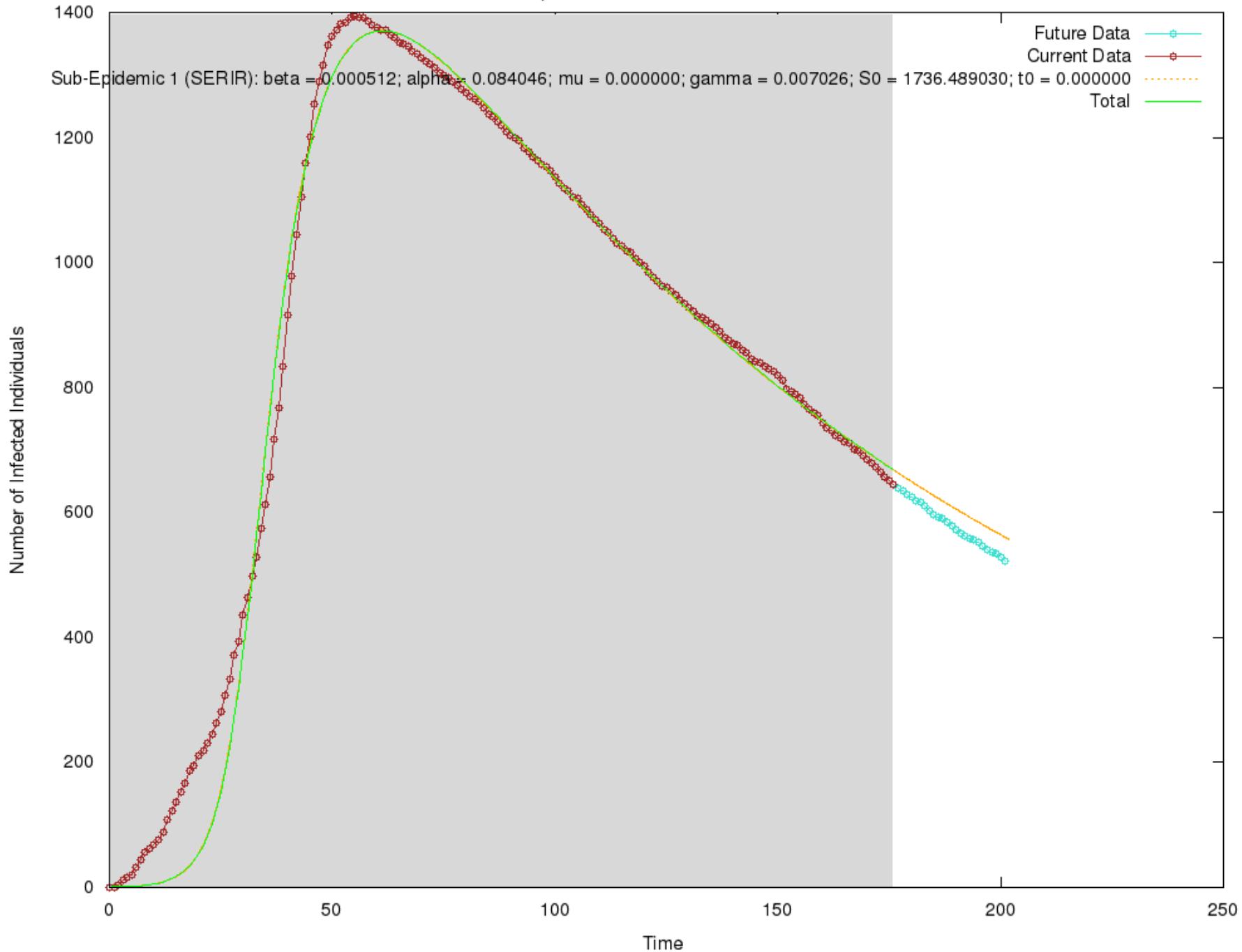
RSquare: 0.984950. Run number: 174



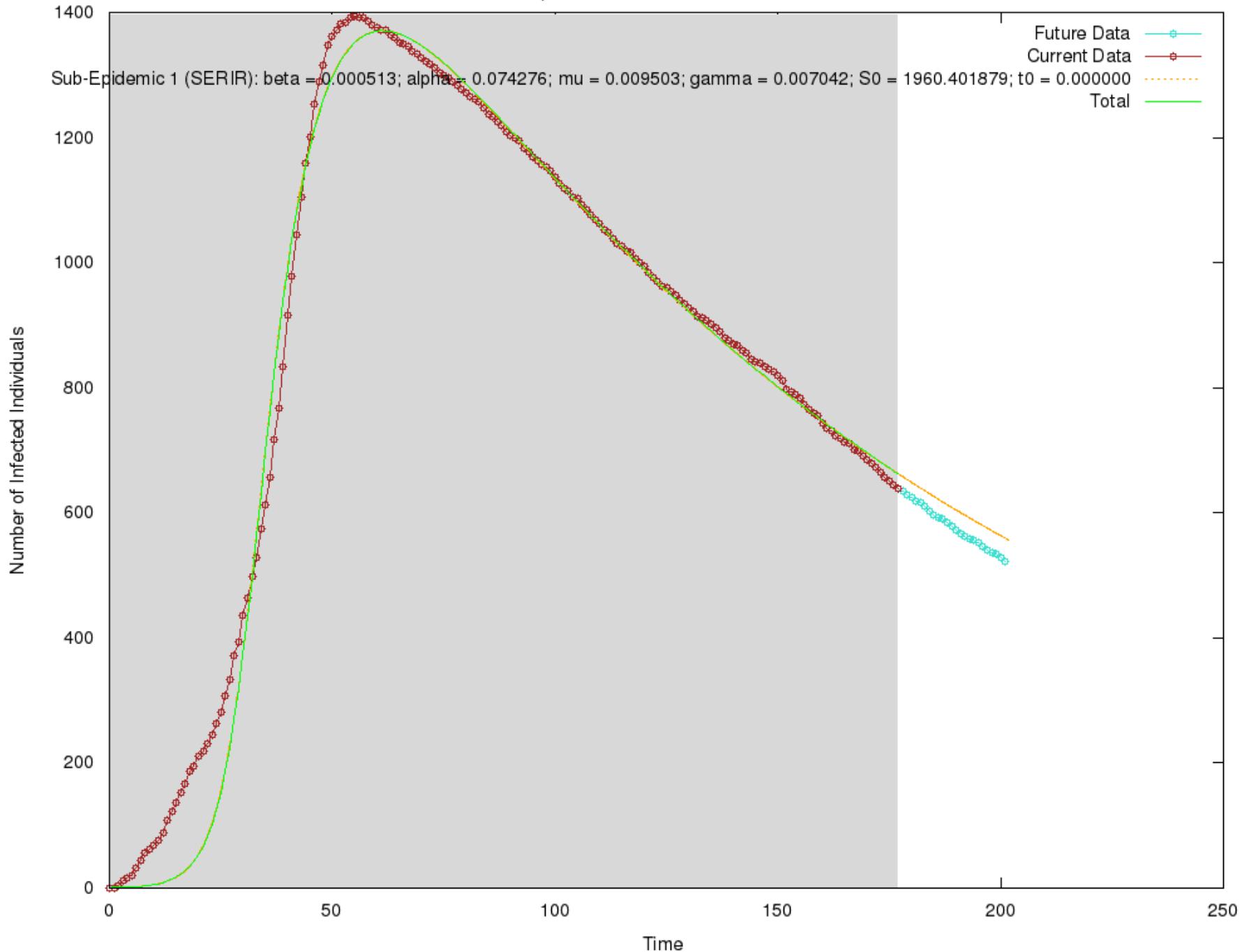
RSquare: 0.984957. Run number: 175



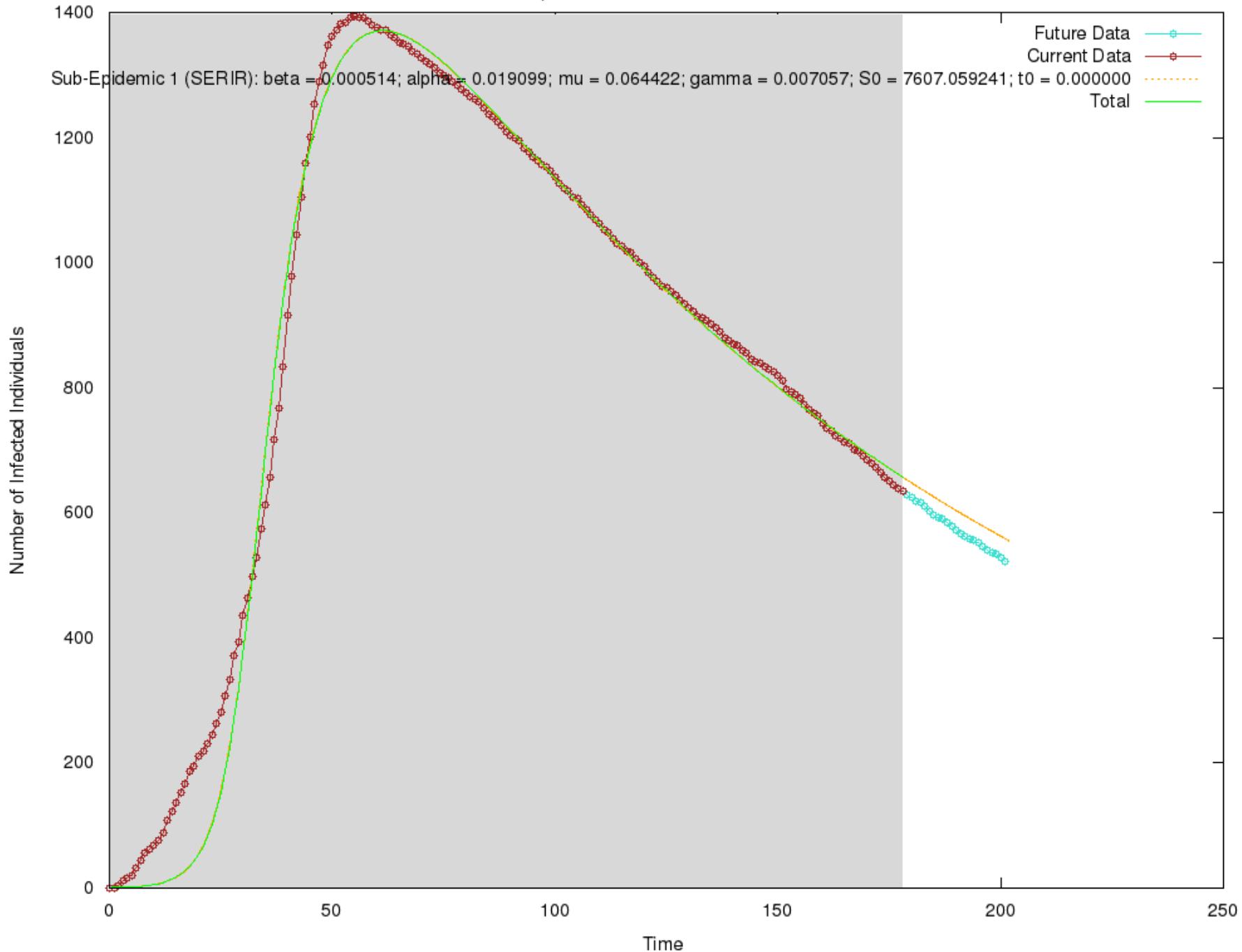
RSquare: 0.984963. Run number: 176



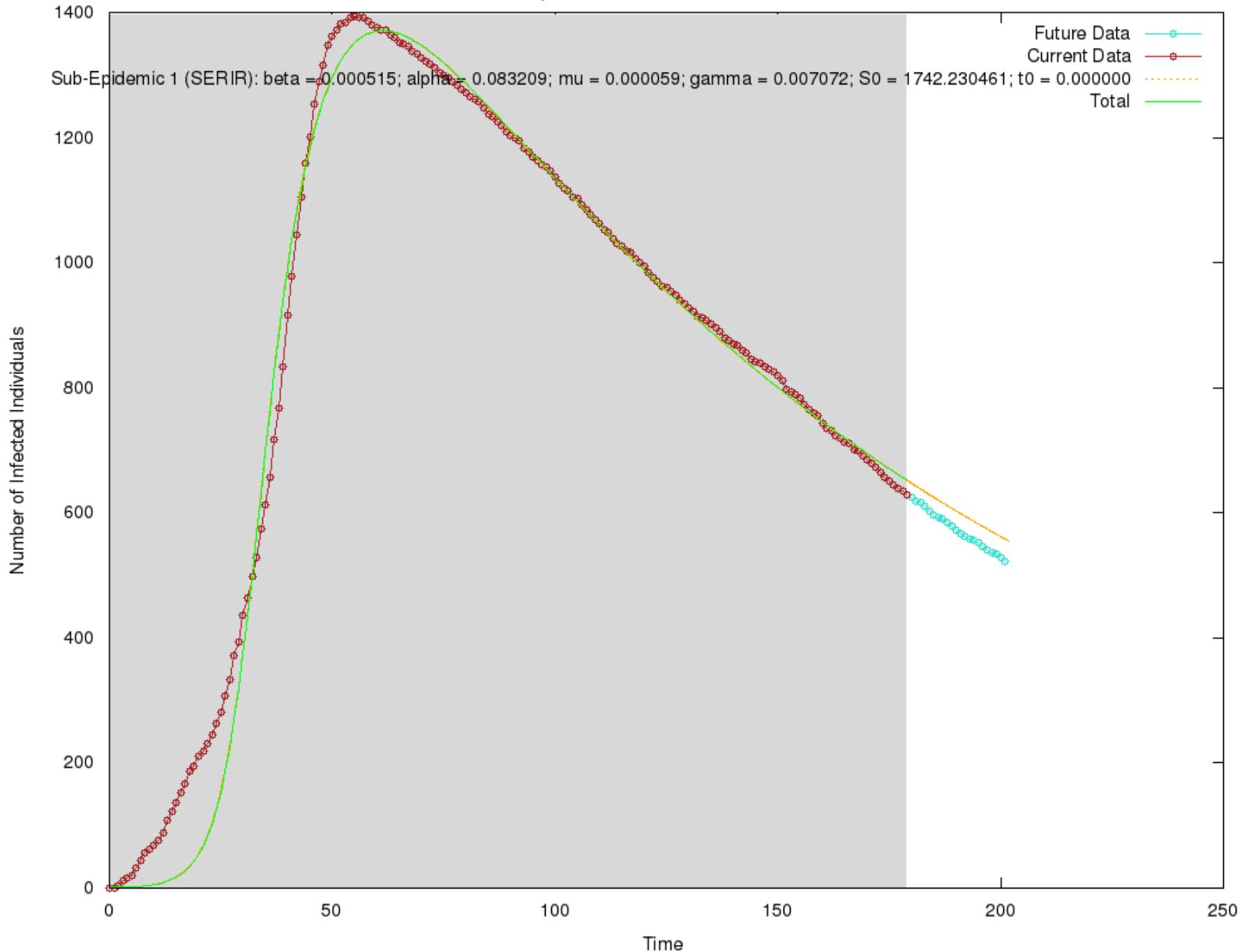
RSquare: 0.984972. Run number: 177



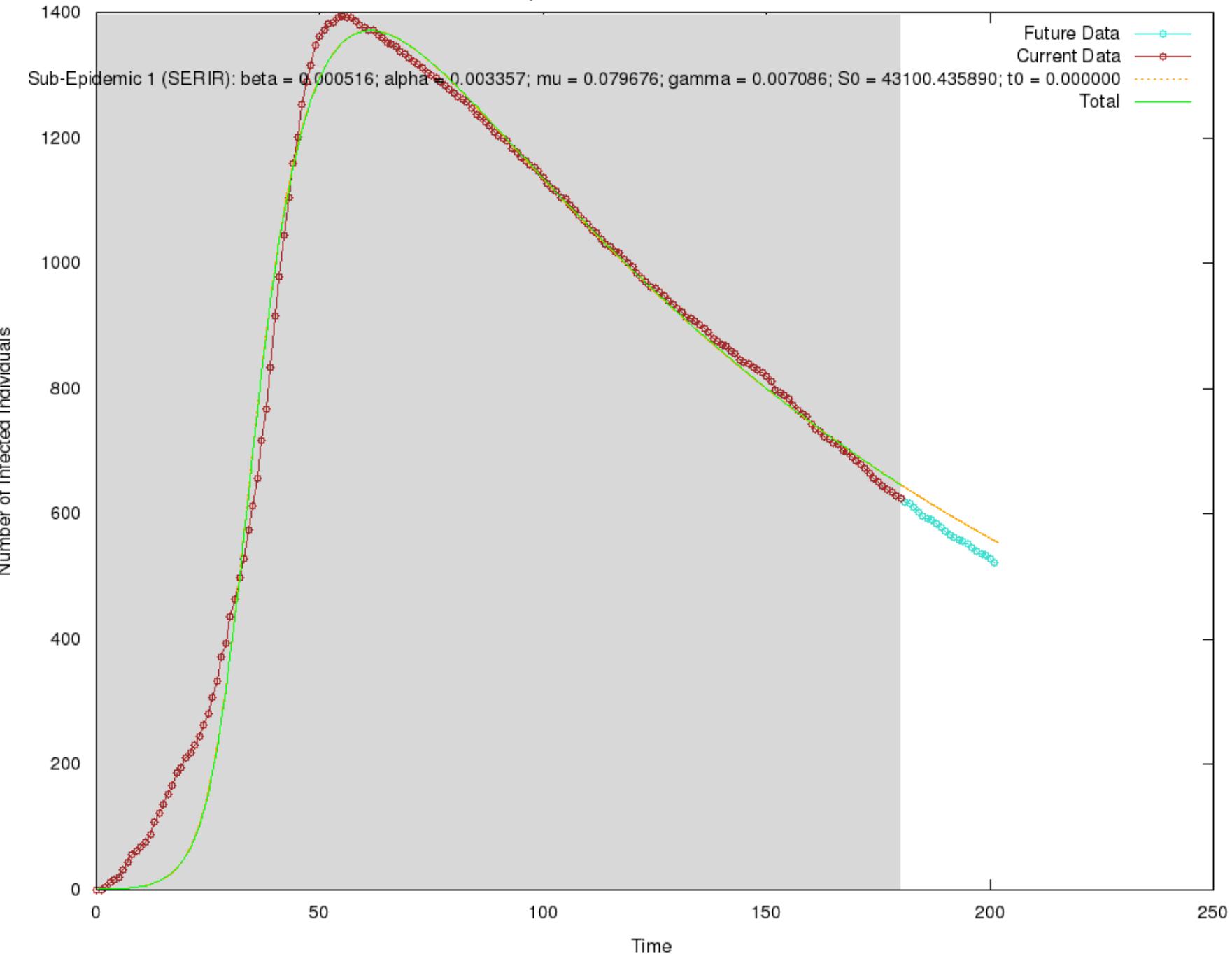
RSquare: 0.984981. Run number: 178



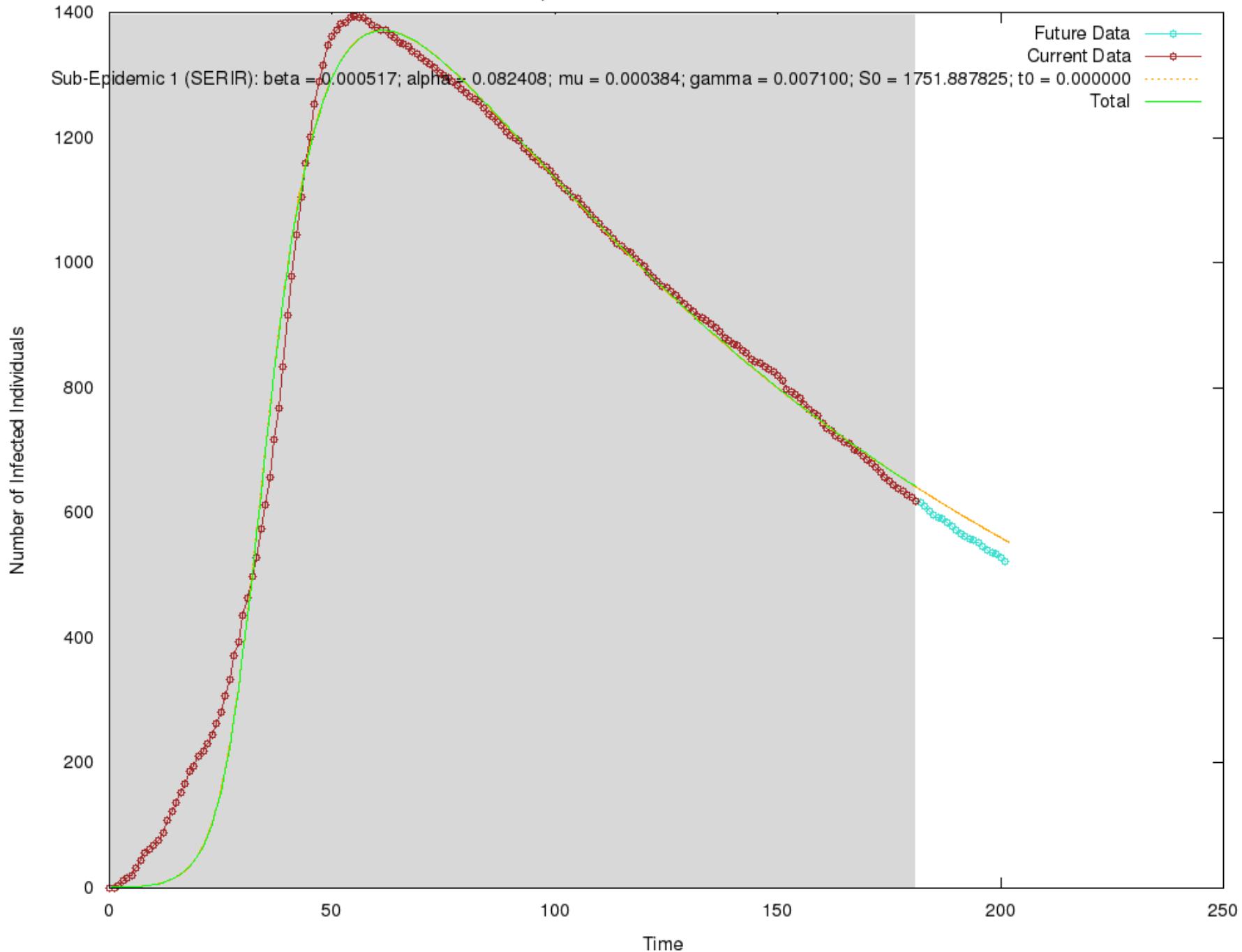
RSquare: 0.984992. Run number: 179



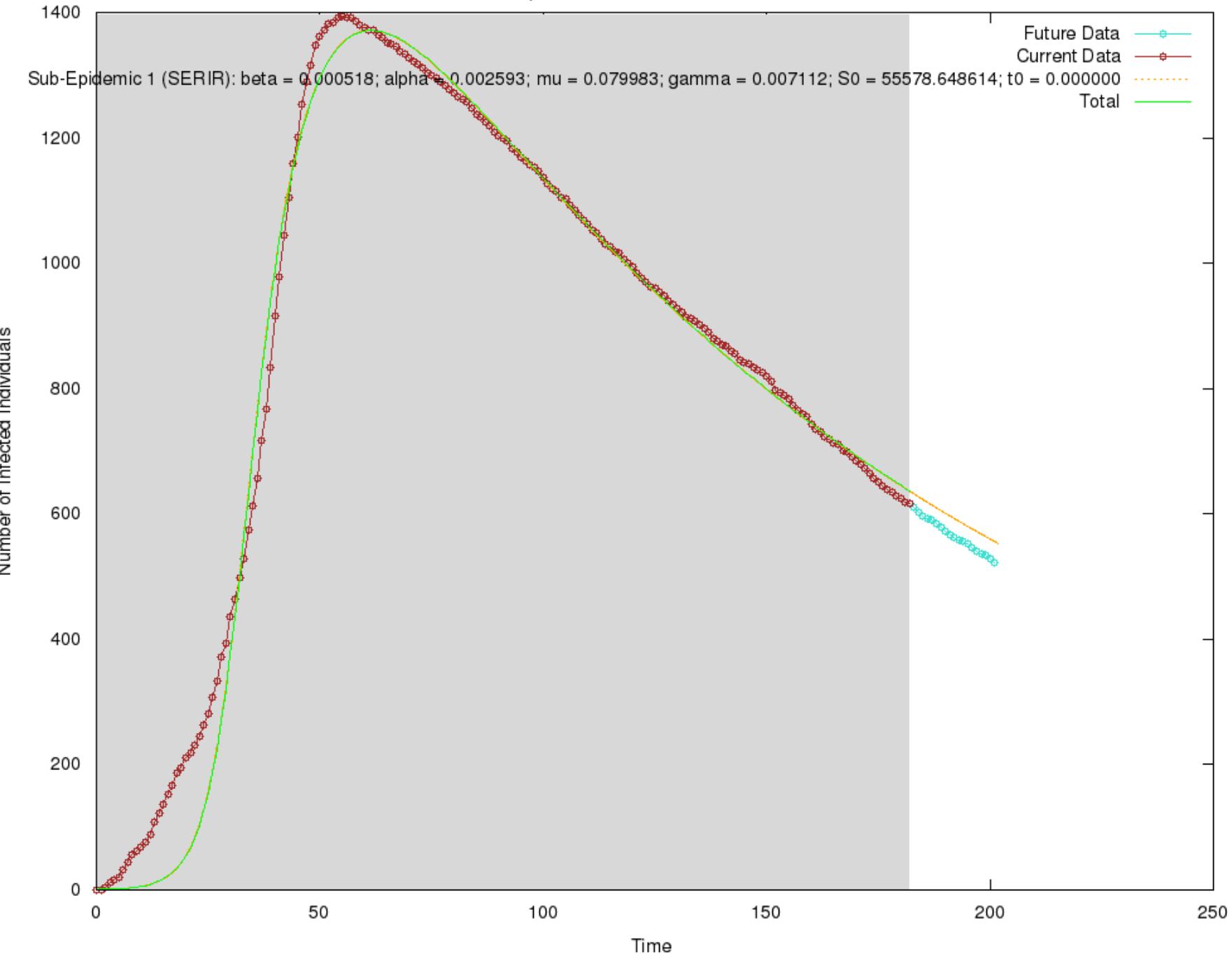
RSquare: 0.985006. Run number: 180



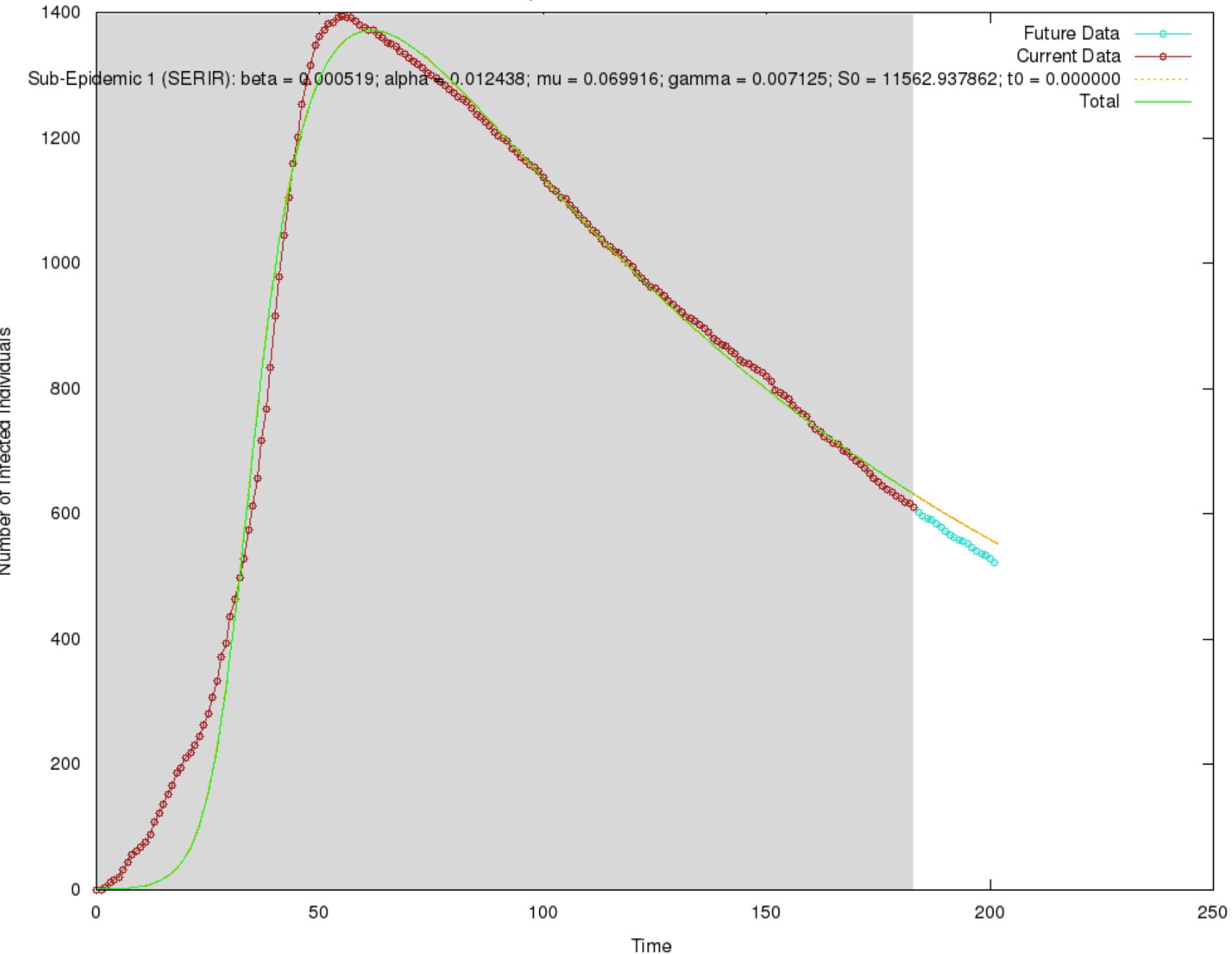
RSquare: 0.985020. Run number: 181



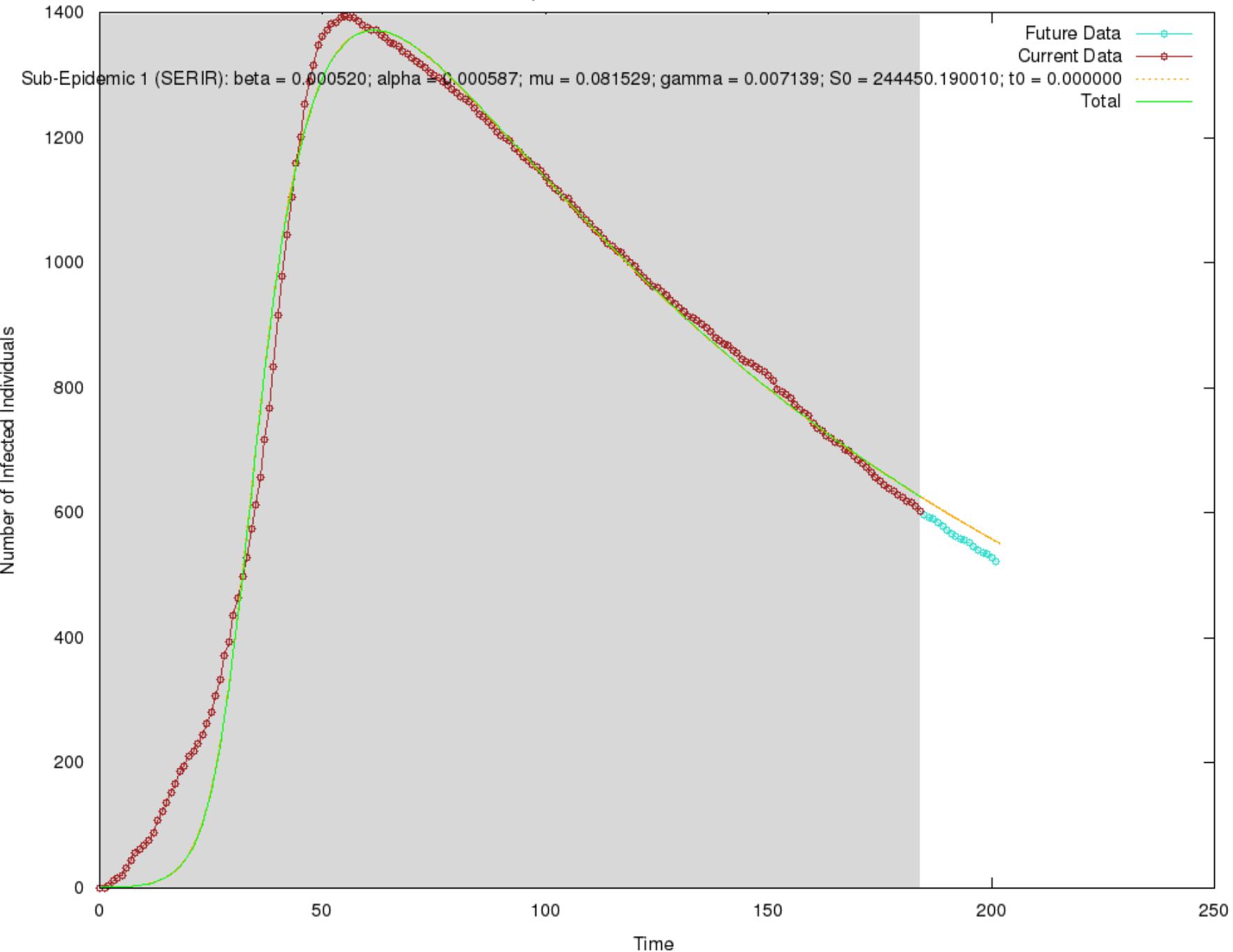
RSquare: 0.985037. Run number: 182



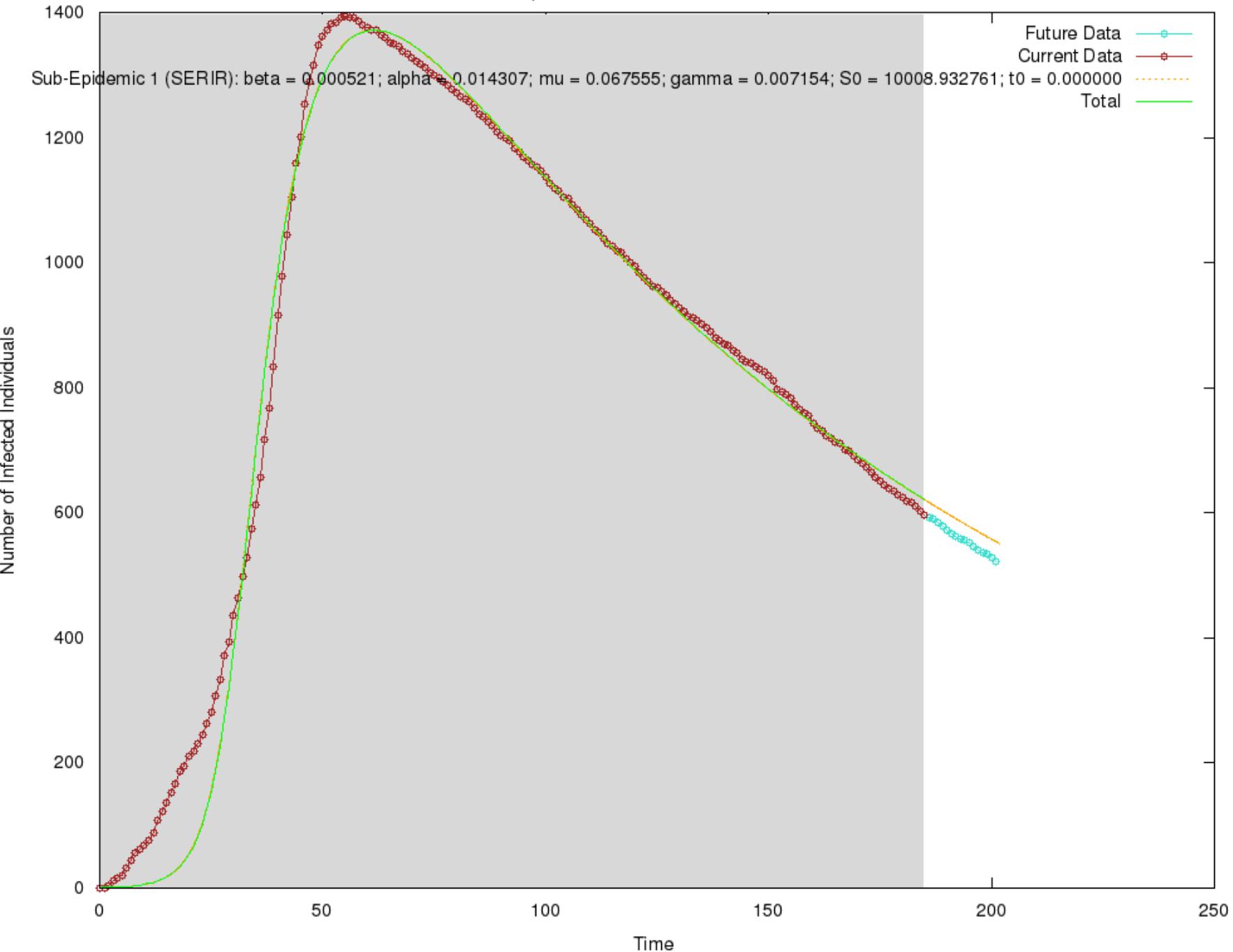
RSquare: 0.985054. Run number: 183



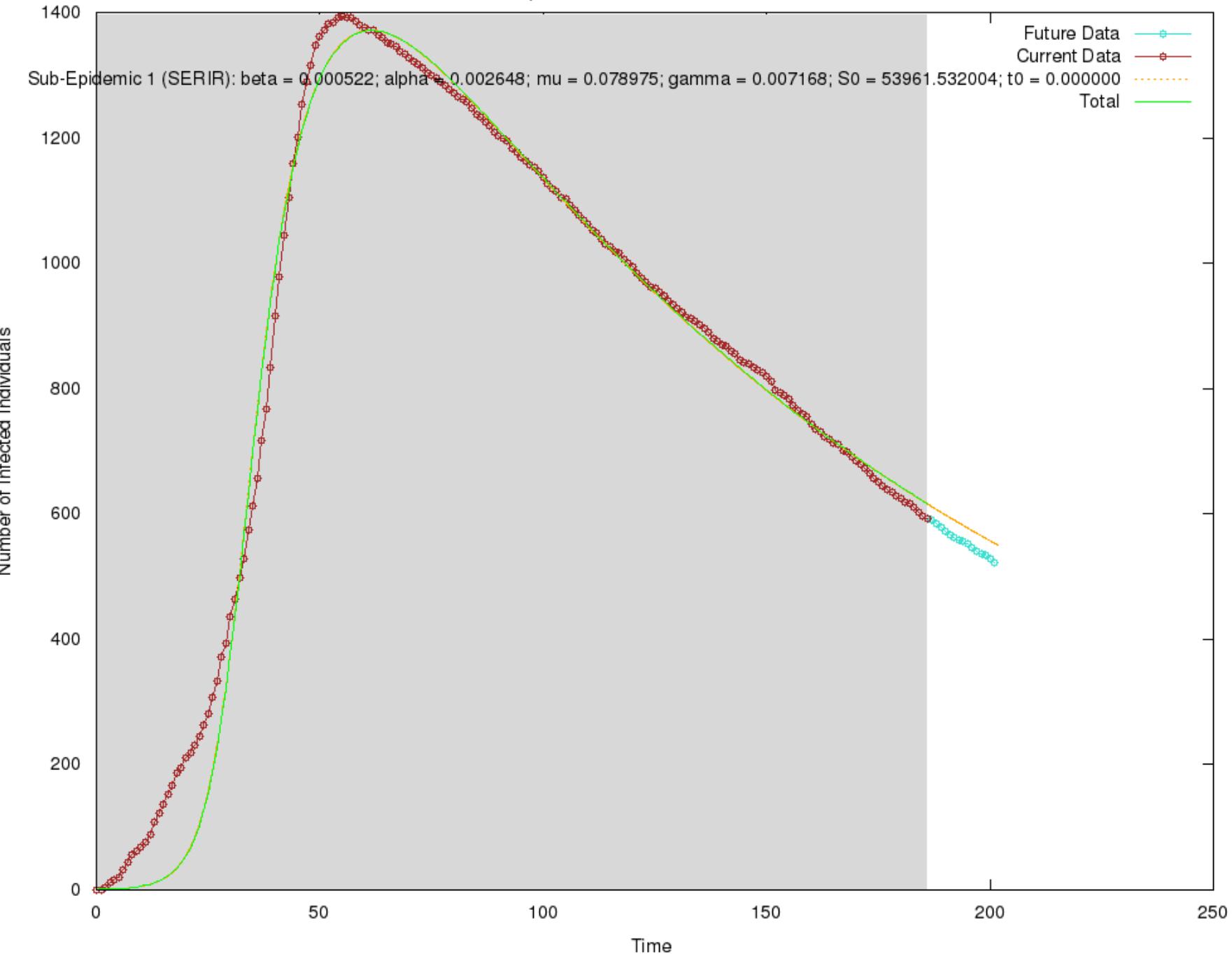
RSquare: 0.985070. Run number: 184



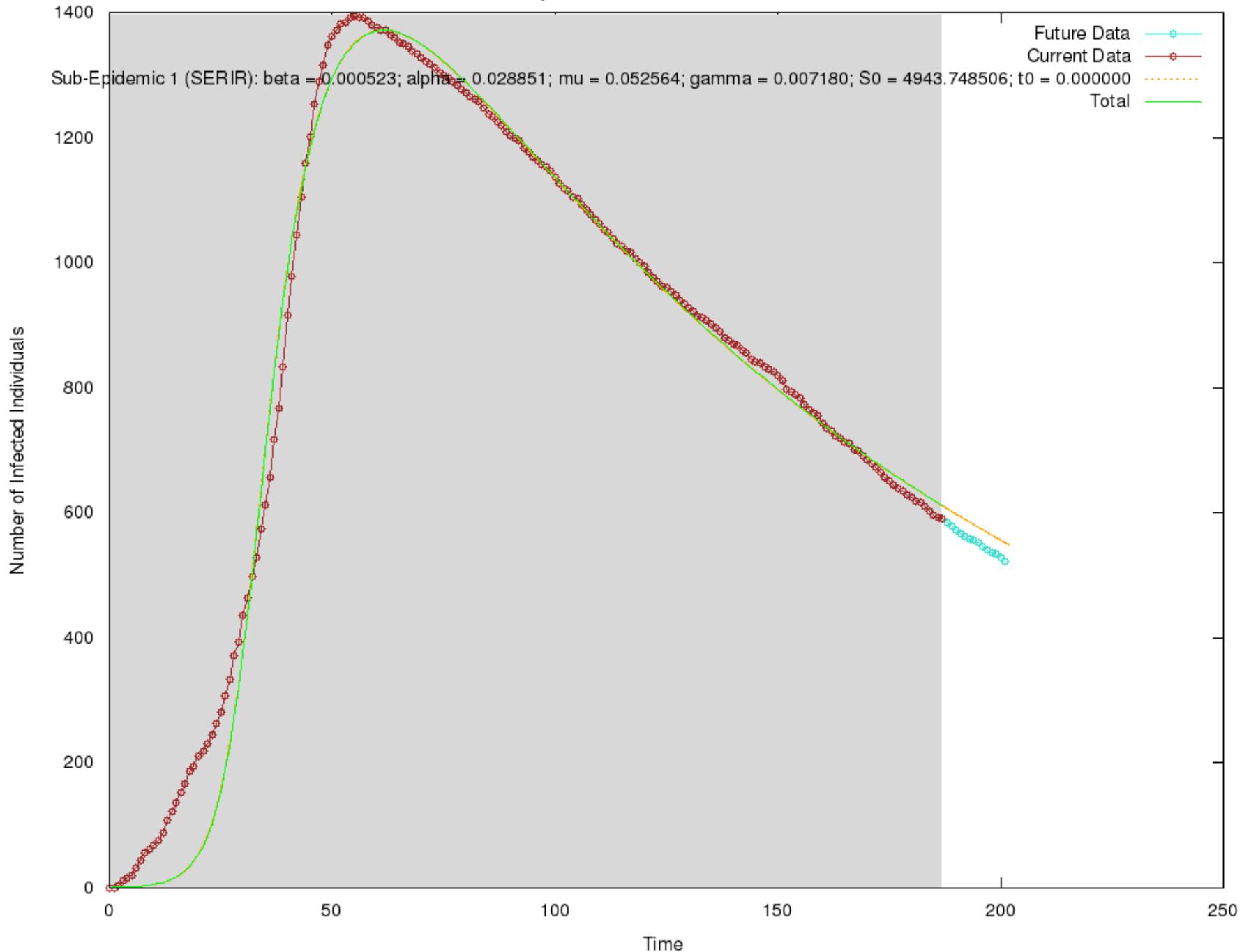
RSquare: 0.985083. Run number: 185



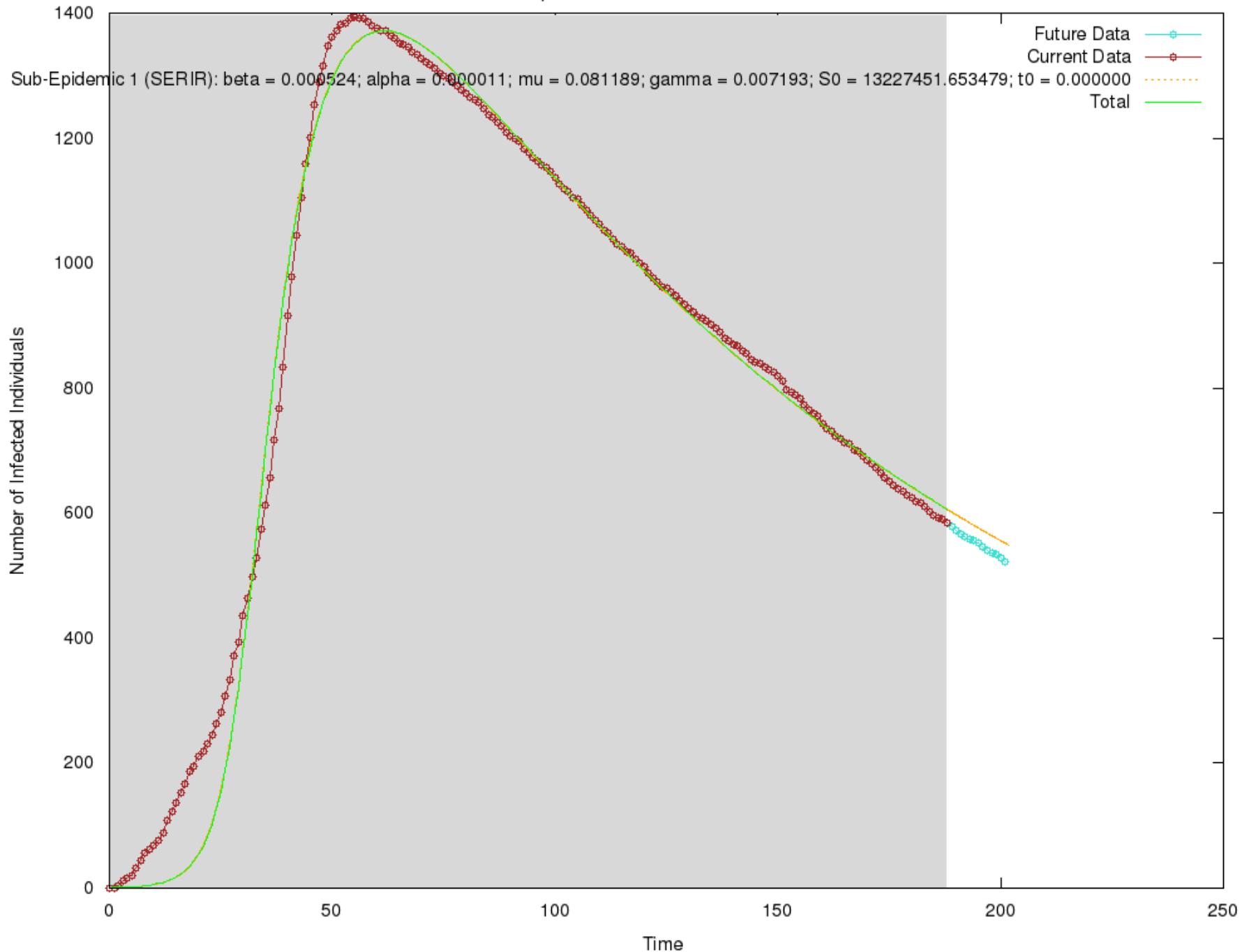
RSquare: 0.985099. Run number: 186



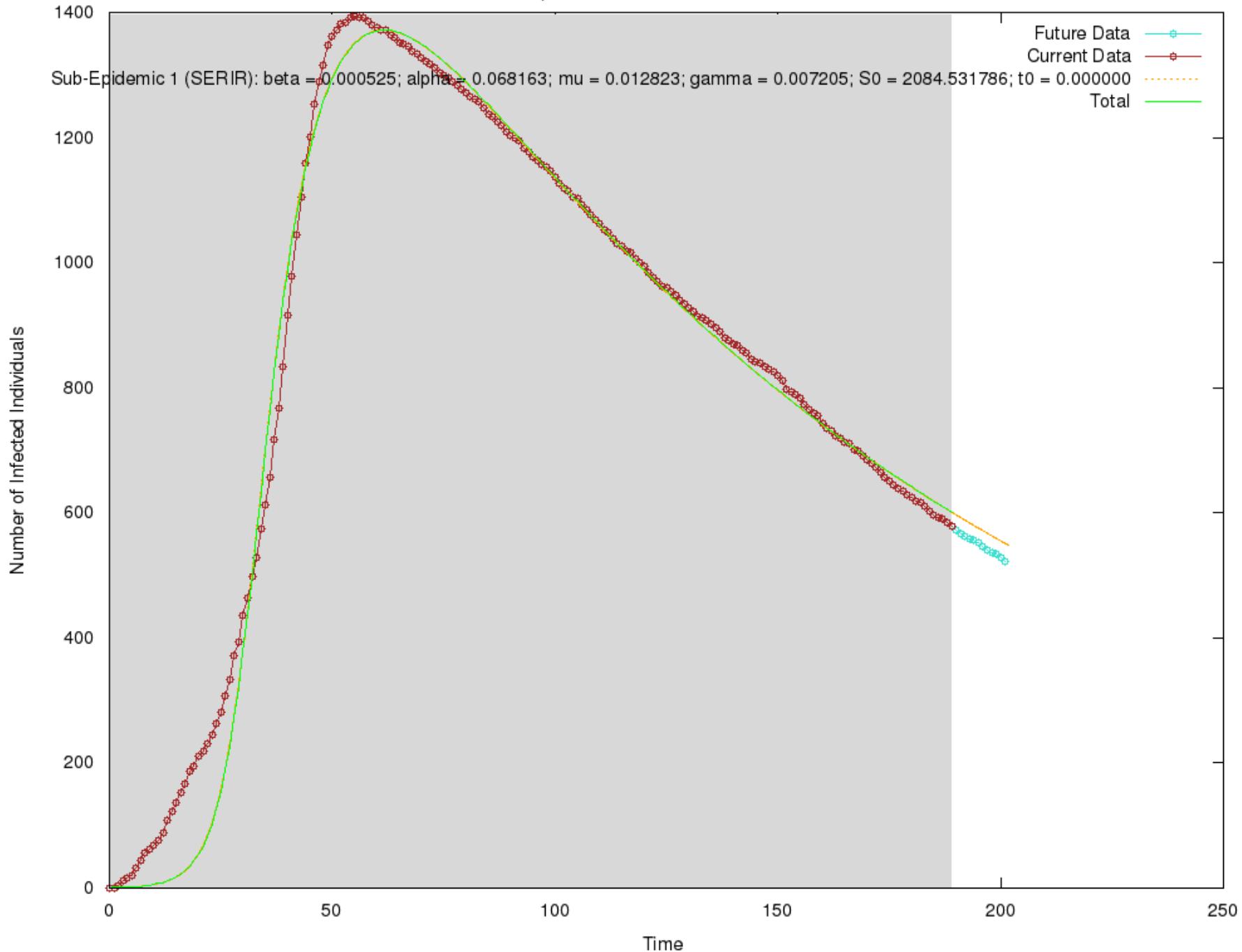
RSquare: 0.985120. Run number: 187



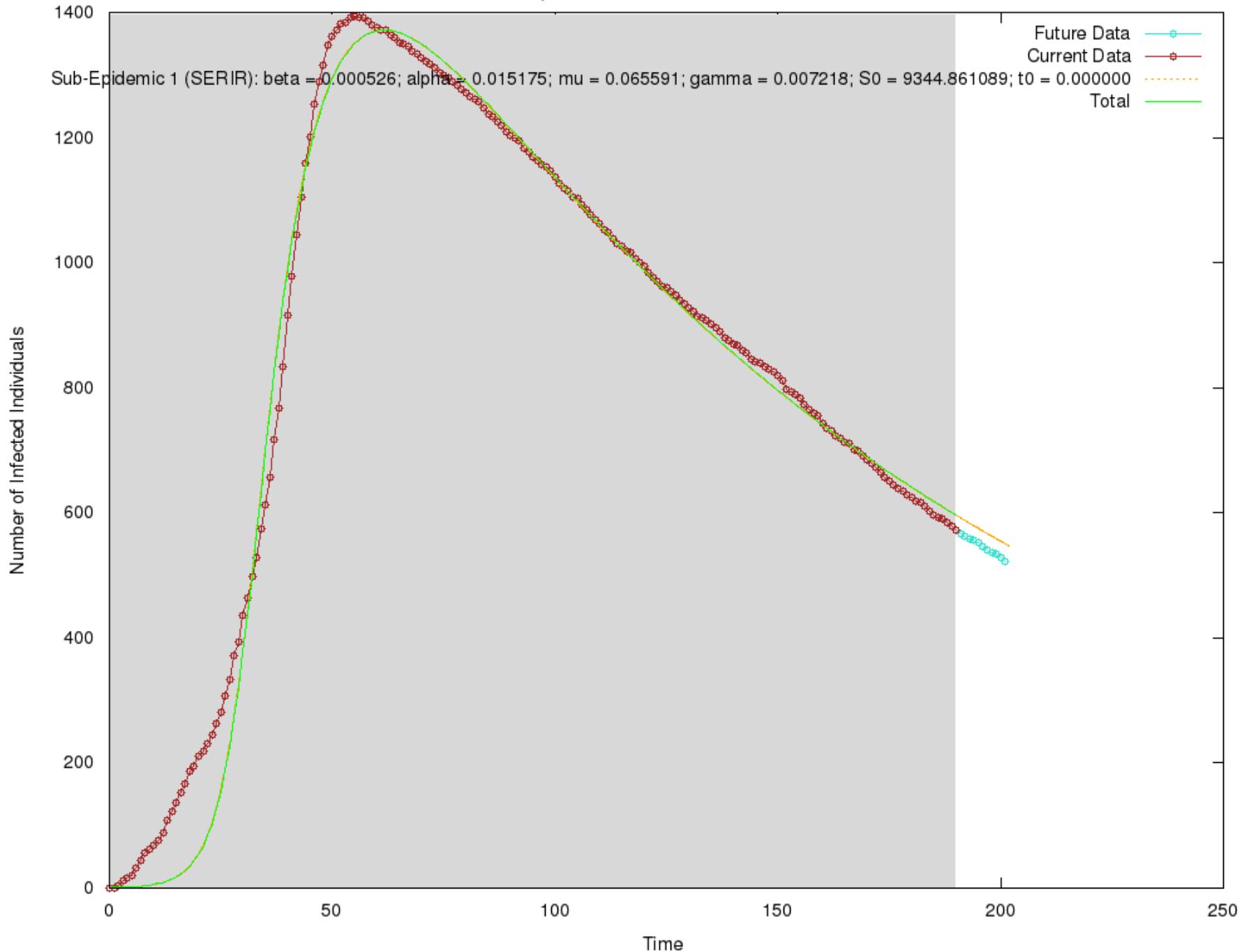
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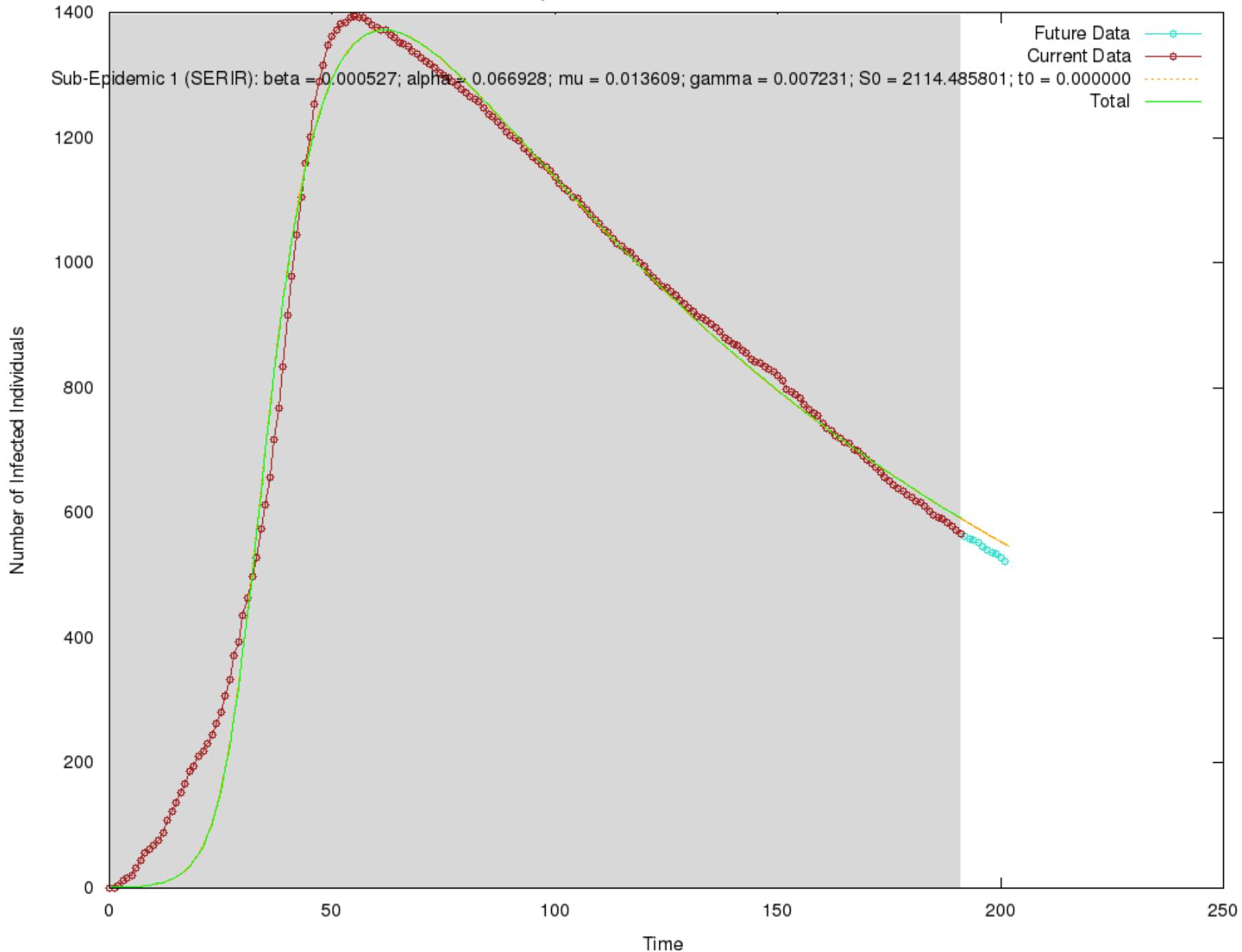
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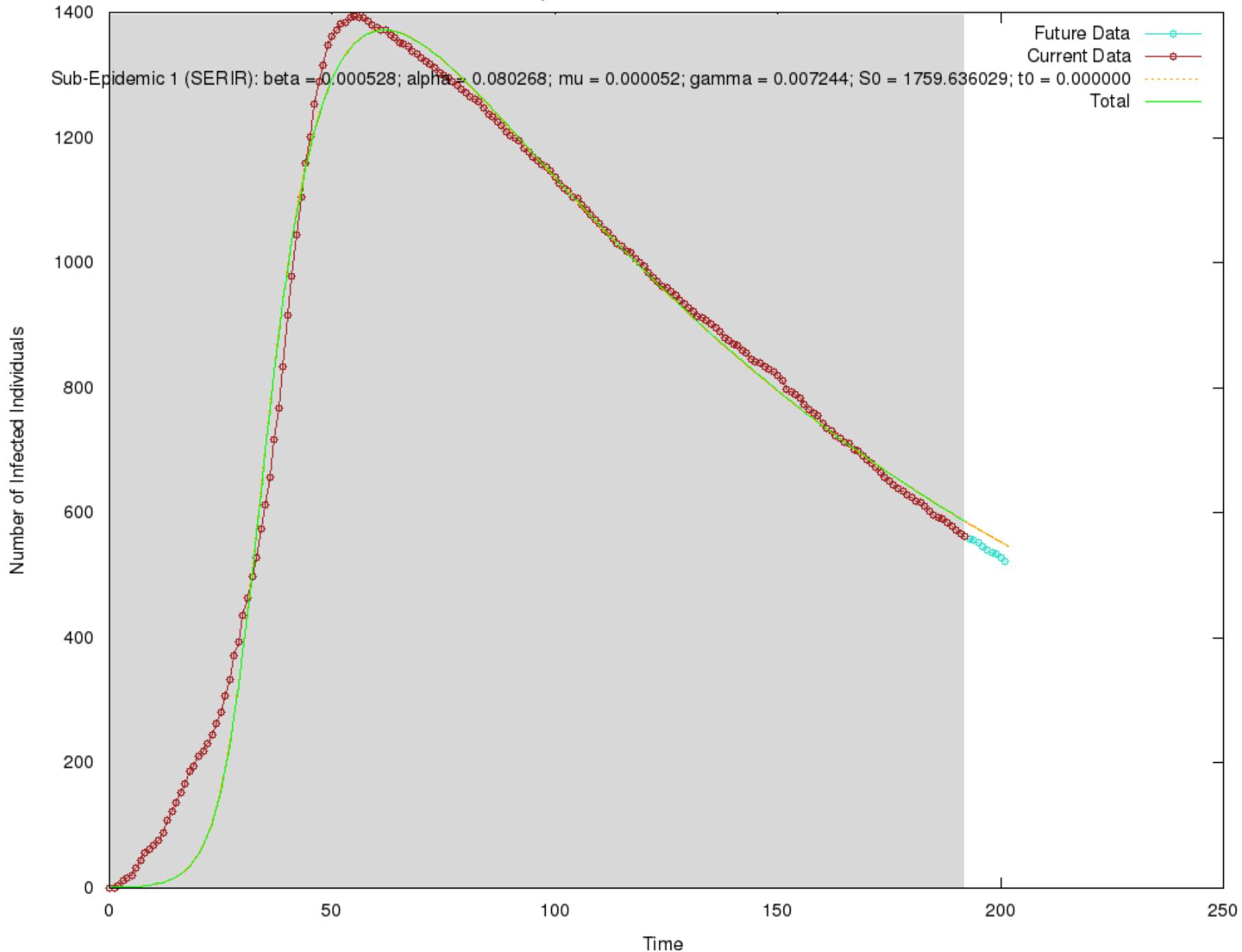
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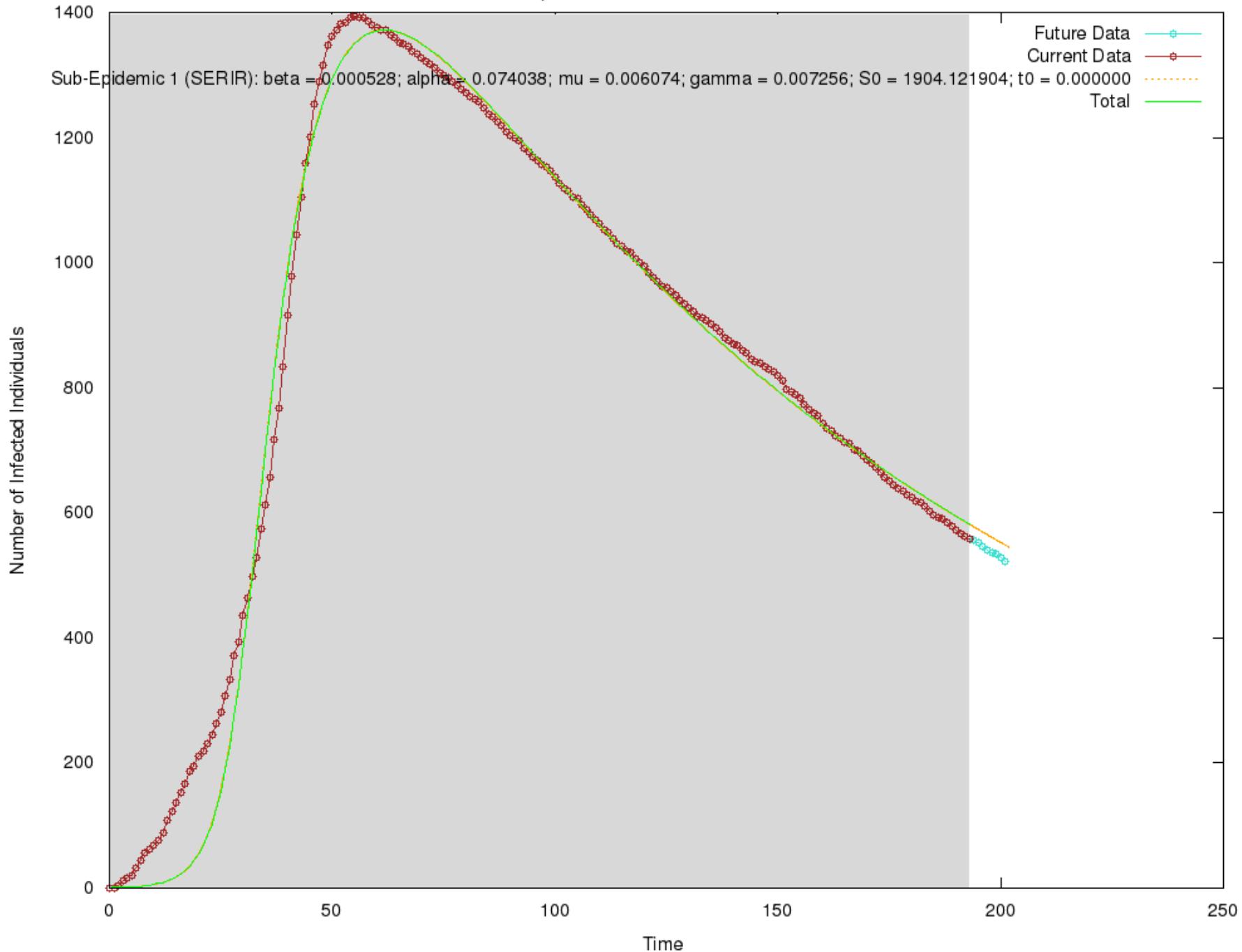
RSquare: 0.985203. Run number: 191



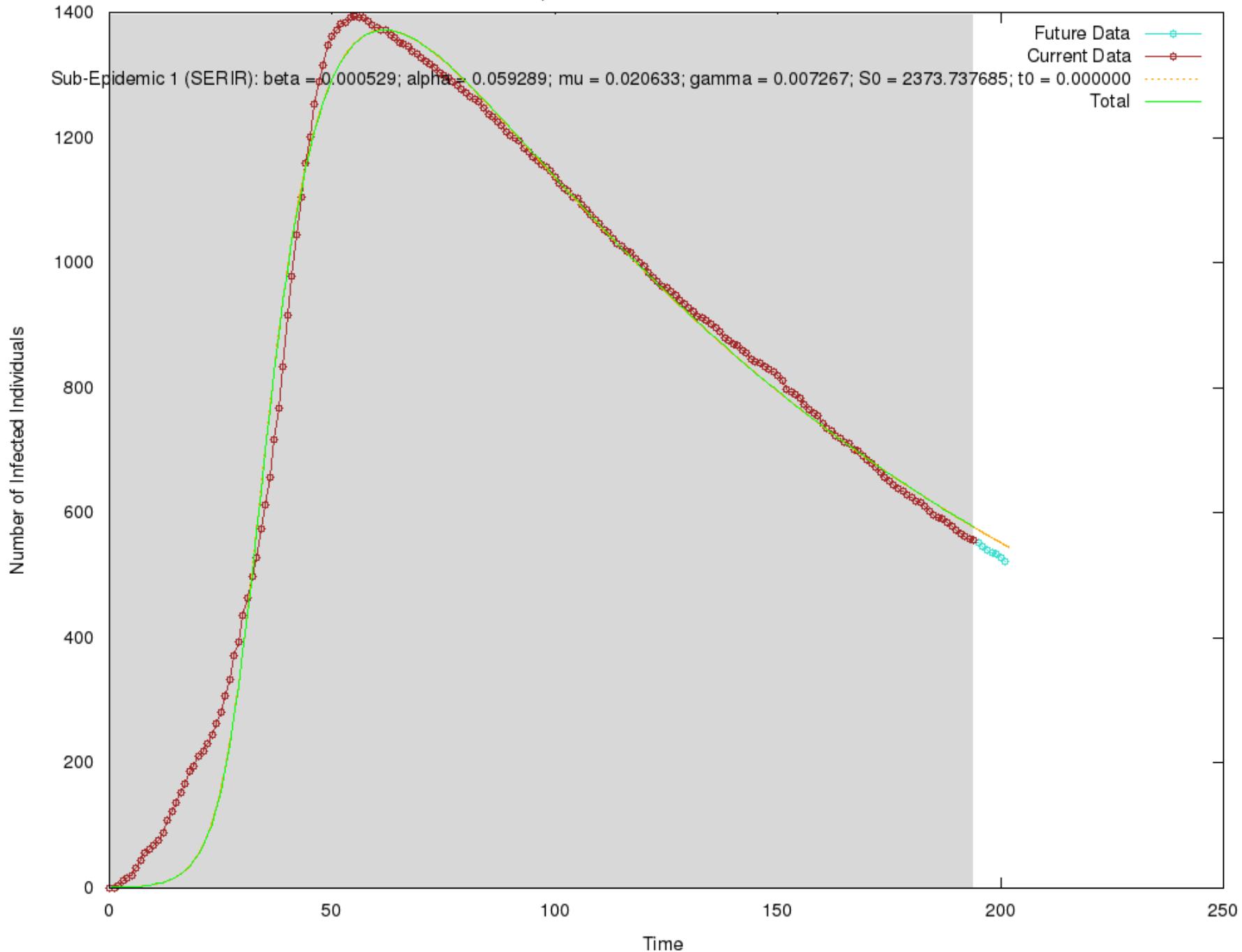
RSquare: 0.985225. Run number: 192



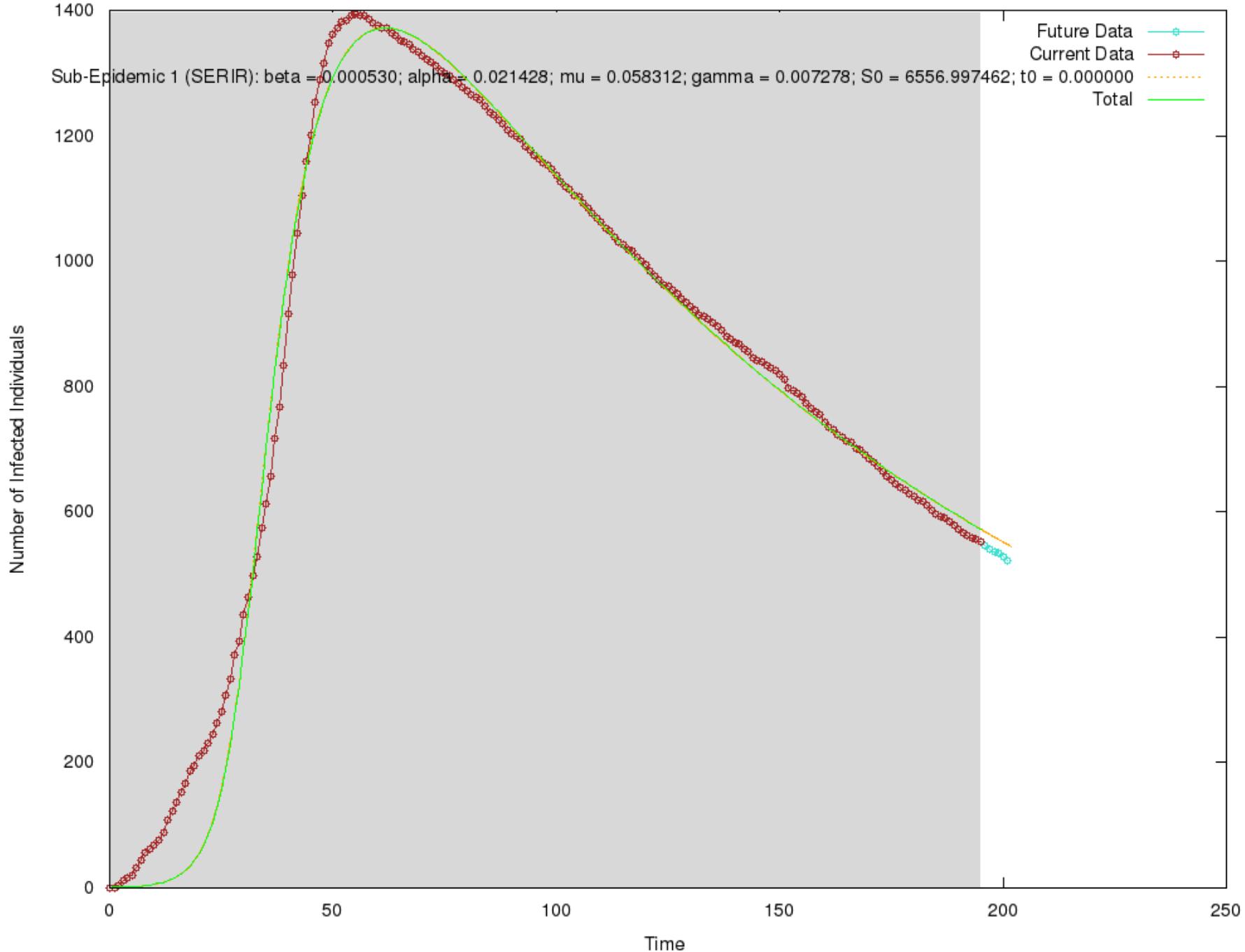
RSquare: 0.985249. Run number: 193



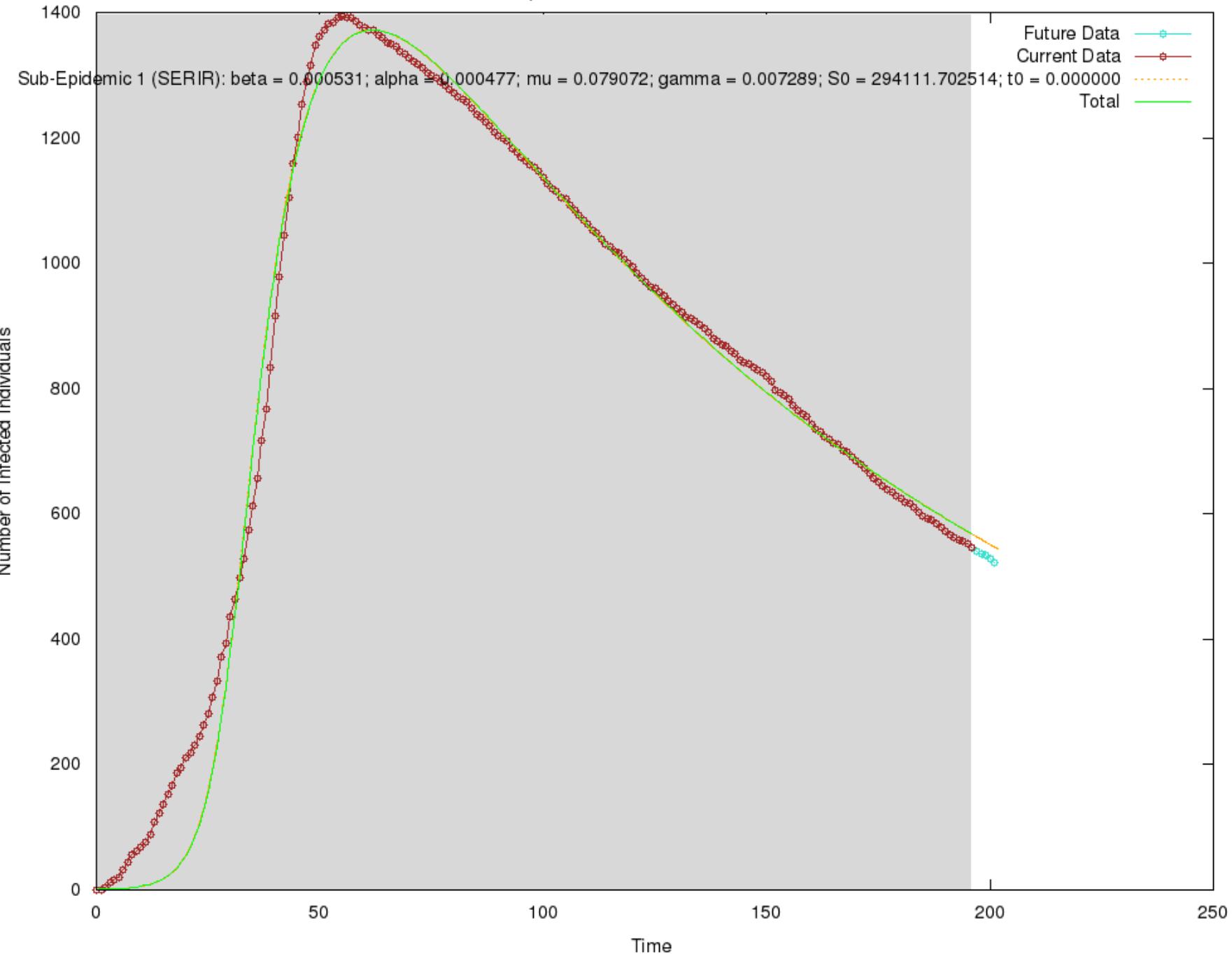
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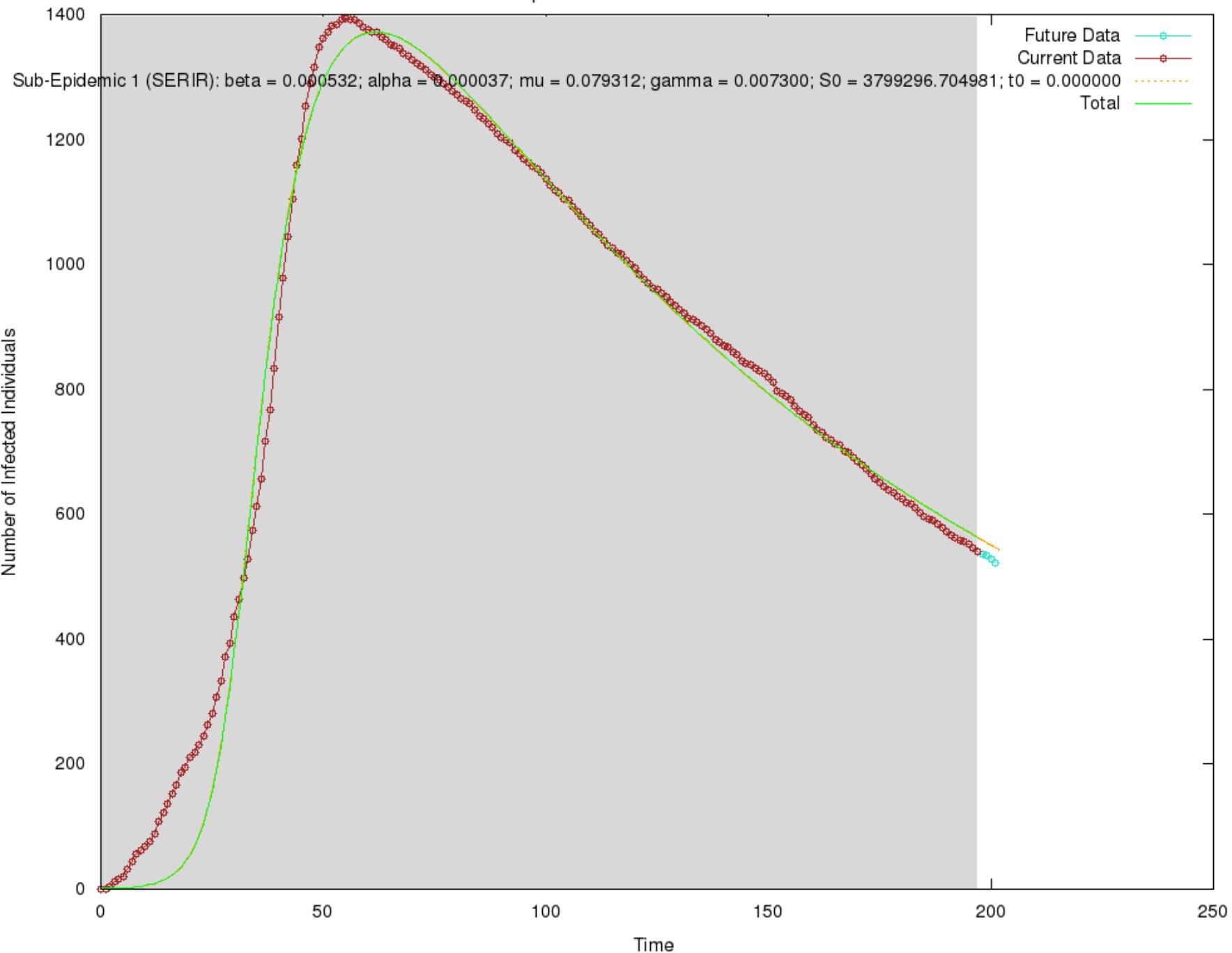
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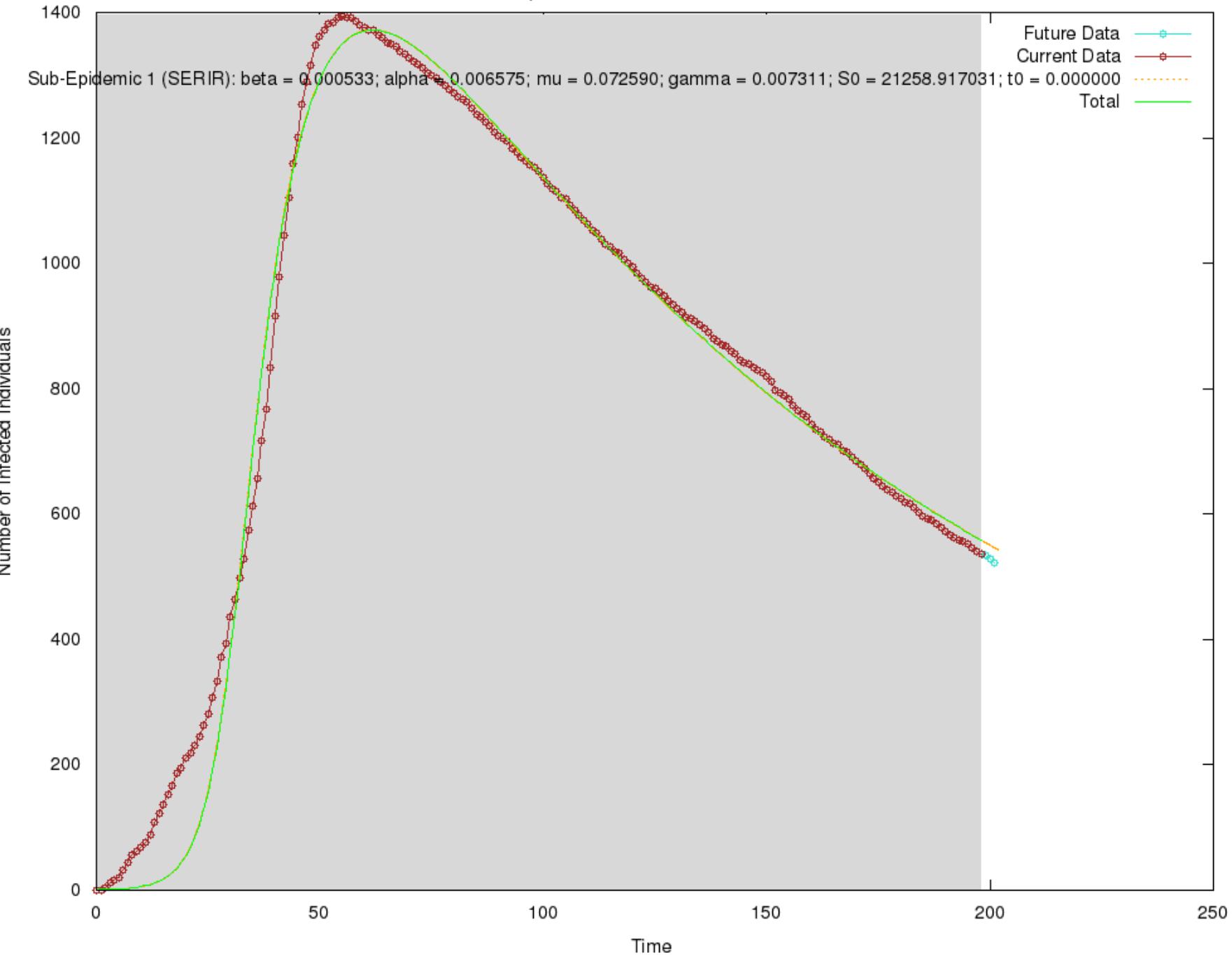
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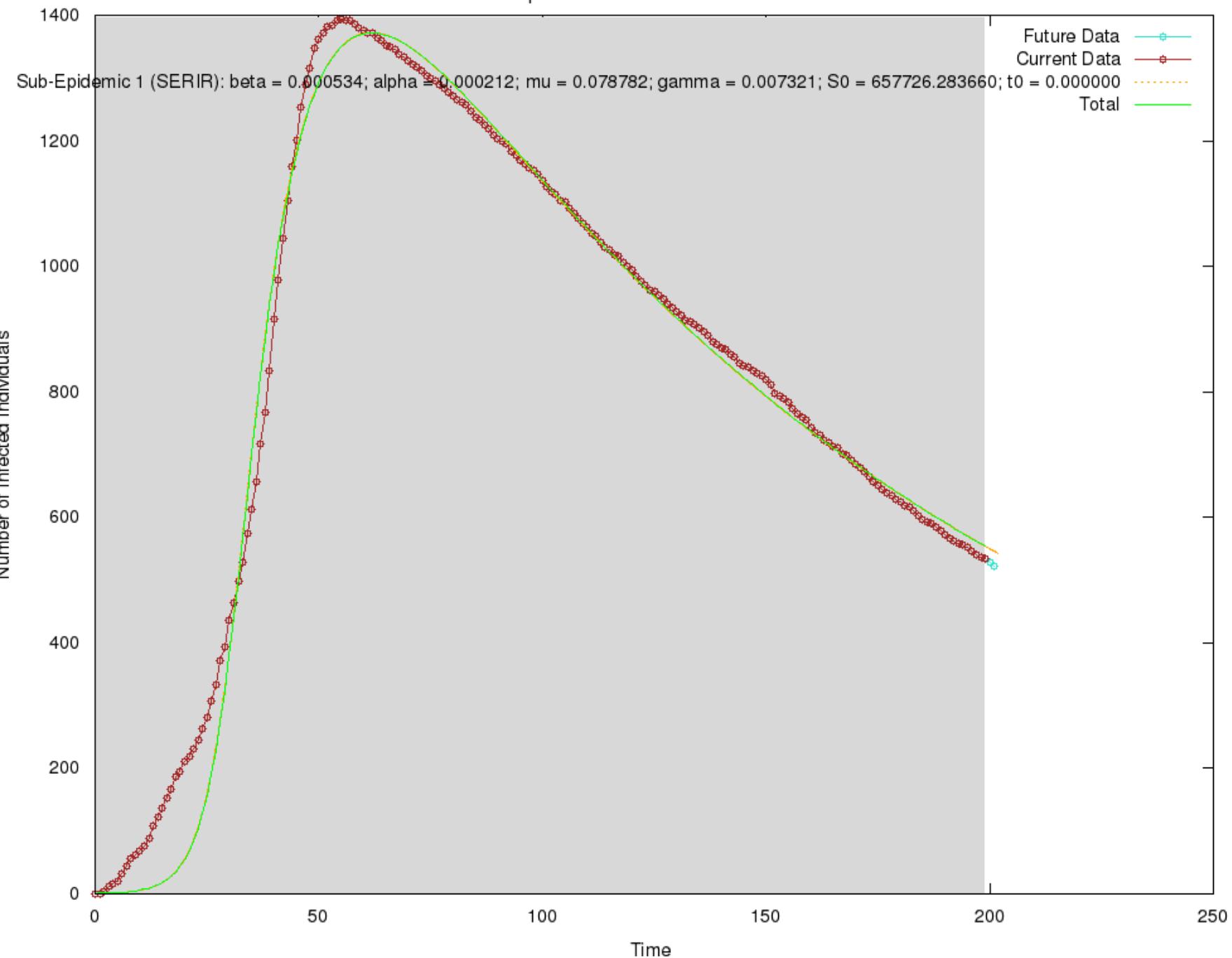
RSquare: 0.985358. Run number: 197



RSquare: 0.985388. Run number: 198



RSquare: 0.985420. Run number: 199



RSquare: 0.985450. Run number: 200

