Howell's model 005, adaptation of Paillard's model for glaciation - graphs,   unoptimized runs

cloud/galactic rays, dirty snow

http://www.imcce.fr/Equipes/ASD/insola/earth/La93/README.TXT

Wikipedia 2007 - Milankovitch cycles.htm http://en.wikipedia.org/wiki/Milankovitch_cycles

Felix M. Gradstein, editor   "A Geologic Time Scale 2004" Cambridge University Press, March 2005, Poster accompaniement available from Geologic Survey of Canada http
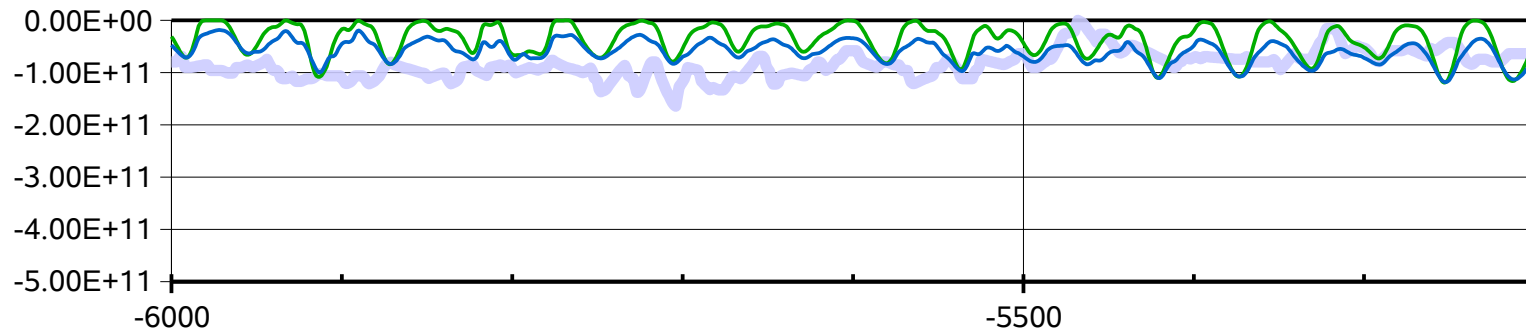
J. Laskar, P. Robutel, F. Joutel, M. Gastineau, A.C.M. Correia, B. Levrard 2004 "A long term numerical solution for the insolation quantities of the Earth" Astronomy & Astro

Didier Paillard (2001) Glacial Cycles: towards a new paradigm, Review of Geophysics, 39,3, 325-346 - forecasts

Specmap??   Data is shown as the jagged black curve (Felix M. Gradstein, editor   "A Geologic Time Scale 2004" Cambridge University Press, March 2005, Poster accomp

Arbitrary Ice Volumes! (Mg)

Deglaciation model results are from switching from "albedo_last := lat_talley reshape albedo_snow_stable" to "albedo_last := lat_talley reshape (albedo_snow_stable - 0.04)
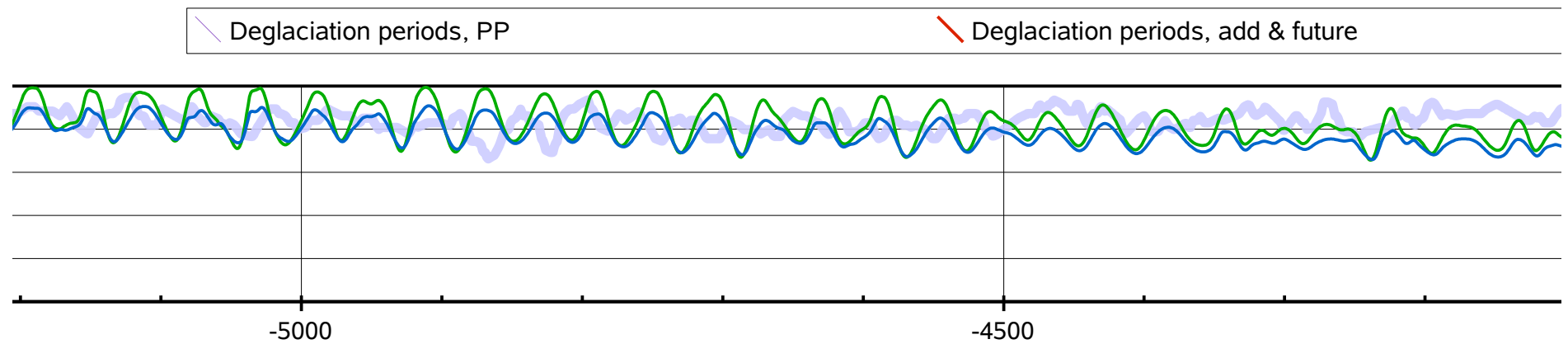
s - still have concepts to add and adjustments to make

://www.stratigraphy.org/gts.htm http://www.stratigraphy.org/GTS04.pdf

physics manuscript no. La˙2004 May 23, 2004 http://www.imcce.fr/fr/presentation/equipes/ASD/preprints/prep.2004/La_2004_prep.pdf

aniement available from Geologic Survey of Can)ada). Note that a couple of errors of perhaps 50 ky duration each were introduced by digitization (cut off peo=aks before ~5 M
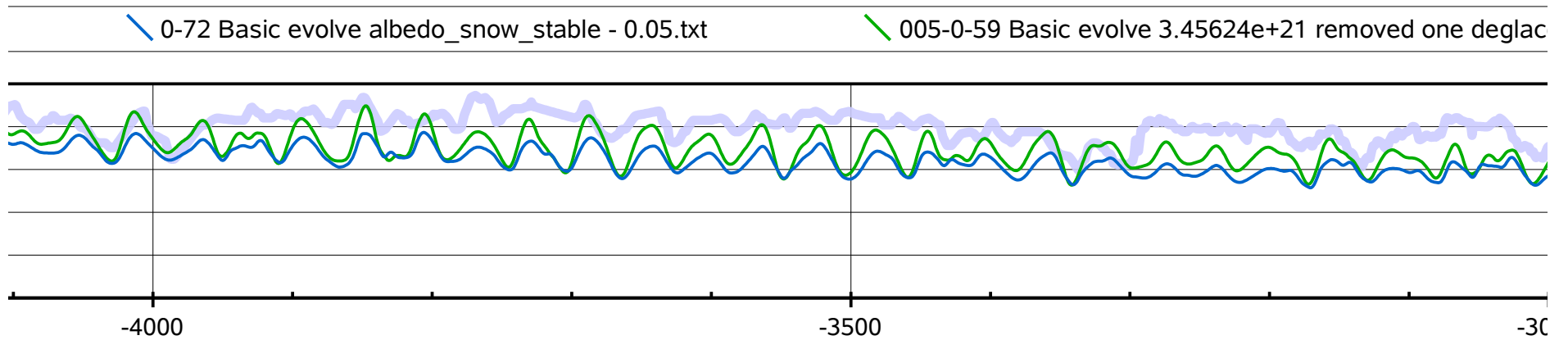
)

╲ Deglaciation periods, PP	╲ Deglaciation periods, add & future

-5000   -4500

lyBP

0-72 Basic evolve albedo_snow_stable - 0.05.txt

005-0-59 Basic evolve 3.45624e+21 removed one deglac

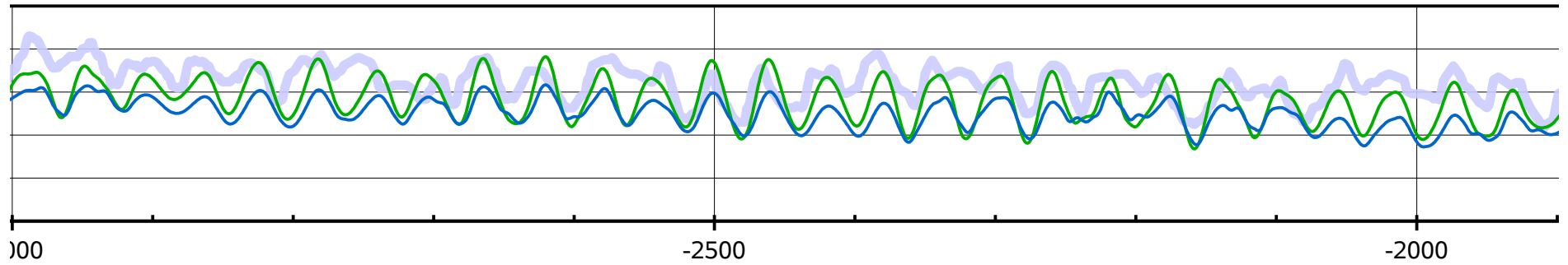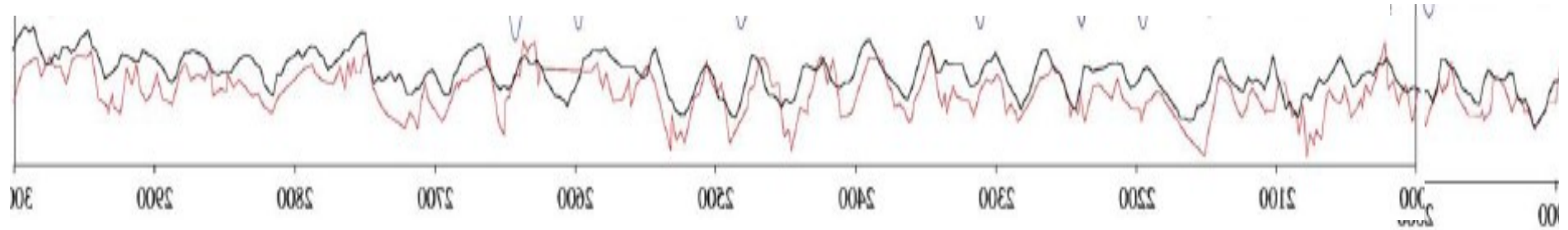-4000   -3500   -3C

Paillard &

Note that there

renoble.fr/~parrenin/publications/download/articles/parrenin-paillard-EPSL2003.pdf

e.txt   Felix M. Gradstein, editor   "A Geologic Time Scale 2004"

-2500   -2000

Parrenin 2004 model with deep ocean cycling of CO2

3000 2900 2800 2700 2600 2500 2400 2300 2200 2100 2000

are scaling issues with the presentation here, which should eventually be corrected.

-1500   -1000

19   1800   1700   1600   1200   1400   1300   1200   1100   000   900   00

-500

0