```
Delivered-To: aridgwel@gmail.com
Received: by 2002:a17:906:258f:0:0:0:0 with SMTP id m15csp4586965ejb;
       Tue, 24 Sep 2019 12:00:27 -0700 (PDT)
X-Google-Smtp-Source: APXvYqyZAJnrEwgZOFIIK/gMZnOZxXATAy7BlKYK8FlQSkhSWSujZ+BdYJwOMyLdTcMM0CZl5nV/
X-Received: by 2002:a17:902:ff0e:: with SMTP id f14mr4575345plj.325.1569351627322;
       Tue, 24 Sep 2019 12:00:27 -0700 (PDT)
ARC-Seal: i=2; a=rsa-sha256; t=1569351627; cv=pass;
       d=google.com; s=arc-20160816;
       b=EpN0j/WASqzduhBnDY0sdOjO5L5QdejVu9BnzlXBb6qrMSEenXRwsPrVBDm0HGGuSB
        1hhfJq6FeQLrVjf2iHrwSUSYp9enRUcEKDeq5QRz6Ew/Y8qc6JFJ6pUAoj7wFnoz3ba7
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        rTw40VSzKKWpn/Tv8a81EtrALA5ixkVRoRWGVNoBS3XDUdR+T/tJSEJ/wWNFonl81hFR
        xArw+oxuqsTIBzkd0EwgbUMlidcETPTHlwtDkG1Up1jnrxU2gSeDycONt9FxeomOrmDu
        33zA==
ARC-Message-Signature: i=2; a=rsa-sha256; c=relaxed/relaxed; d=google.com; s=arc-20160816;
       h=cc:to:subject:message-id:date:from:in-reply-to:references
         :mime-version:ironport-phdr:ironport-sdr:dkim-signature
        :envelope-sender;
       bh=zo6s7F9/bPiSKq8jiQUJ3XkPBMXweS4yw8WH2HEVI+I=;
       b=jLjIqQ6JwwZqkbJea5eAfR6C5zubCWKy/0KsUaU3tTLn3EB4rHRHEj2jWp6/6MQrL1
        CYE0FJvqXXrLTISxZa6yOHlDw+lotoBQ1Li+1NPQNRLbsBmf4A2xaSpdrEEJkF6MtU28
        r5ETBLn5y2y3pm93Y+iD4fbh5DA/TVxnpvHHqEOeH4E2tPDwcuIc34JWUcACQkBONvd0
        1AOJPgeWOt82xbWSxhEc/VYPhJeIIOqoWYUUFf44rsxBH0d+R/Mr+8FTXf4fEaq7qAGC
        oJ+sntfpoYgAaAFjorRrp4ut6vQRHJqgGIGkrRi8kS/EJ+bNUtB8WWrpKad6wang894a
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ARC-Authentication-Results: i=2; mx.google.com;
       dkim=pass header.i=@ucr.edu header.s=selector3 header.b=W1gOoSGG;
       arc=pass (i=1 spf=pass spfdomain=ucr.edu dkim=pass dkdomain=ucr.edu dmarc=pass fromdomain=ucr
       spf=pass (google.com: best guess record for domain of duo-srs0=z+sl=xt=ucr.edu=dominikh@mx1.m
       dmarc=pass (p=NONE sp=NONE dis=NONE) header.from=ucr.edu
Return-Path: <duo-srs0=Z+SL=XT=ucr.edu=dominikh@mx1.mailhop.org>
Received: from pmtal.delivery10.ore.mailhop.org (pmtal.delivery10.ore.mailhop.org. [54.149.36.10])
       by mx.google.com with ESMTPS id h10si2429930pls.154.2019.09.24.12.00.27
       for <aridqwel@gmail.com>
        (version=TLS1 3 cipher=TLS AES 256 GCM SHA384 bits=256/256);
       Tue, 24 Sep 2019 12:00:27 -0700 (PDT)
Received-SPF: pass (google.com: best guess record for domain of duo-srs0=z+sl=xt=ucr.edu=dominikh@mx
Authentication-Results: mx.google.com;
       dkim=pass header.i=@ucr.edu header.s=selector3 header.b=W1gOoSGG;
       arc=pass (i=1 spf=pass spfdomain=ucr.edu dkim=pass dkdomain=ucr.edu dmarc=pass fromdomain=ucr
       spf=pass (google.com: best guess record for domain of duo-srs0=z+sl=xt=ucr.edu=dominikh@mx1.m
       dmarc=pass (p=NONE sp=NONE dis=NONE) header.from=ucr.edu
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                  d=mailhop.org; s=arc-20180721;
                  b=e9UJaEIBf+Wv4cc0QIkdG/hOoQ8sYwsv6QrTG/RtjOpq2hreN3UPtOxwqyousfikqfL08P42w8qqn
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                  h=content-type:cc:to:subject:message-id:date:from:in-reply-to:references:
                   mime-version:dkim-signature:from;
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ARC-Authentication-Results: i=1; inbound6.ore.mailhop.org;
                  spf=pass smtp.mailfrom=ucr.edu smtp.remote-ip=138.23.248.64;
                  dkim=pass header.d=ucr.edu header.s=selector3 header.a=rsa-sha256 header.b=W1gOoS0
```

```
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                  arc=none header.oldest-pass=0;
X-HalonDuo-Scores: { "rpd": "unknown", "sa":0,
 "sa scores":{"HTML MESSAGE":0.001}}
Envelope-Sender: dominikh@ucr.edu
X-HalonDuo-ID: 90c01eec-defd-11e9-8e79-27a95fab4c85
Received: from mx3.ucr.edu (mx3.ucr.edu [138.23.248.64])
                  by inbound6.ore.mailhop.org (Halon) with ESMTPS
                  id 90c01eec-defd-11e9-8e79-27a95fab4c85:
                  Tue, 24 Sep 2019 19:00:26 +0000 (UTC)
DKIM-Signature: v=1; a=rsa-sha256; c=simple/simple;
 d=ucr.edu; i=@ucr.edu; q=dns/txt; s=selector3;
 t=1569351627; x=1600887627;
 h=mime-version:references:in-reply-to:from:date:message-id:
  subject:to:cc;
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X-IronPort-AV: E=Sophos;i="5.64,545,1559545200";
  d="scan'208,217";a="82553974"
Received: from mail-wr1-f72.google.com ([209.85.221.72])
 by smtp3.ucr.edu with ESMTP/TLS/ECDHE-RSA-AES128-GCM-SHA256; 24 Sep 2019 12:00:24 -0700
Received: by mail-wr1-f72.google.com with SMTP id t11so987030wro.10
```

```
for <andy@seao2.org>; Tue, 24 Sep 2019 12:00:23 -0700 (PDT)
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
        d=1e100.net; s=20161025;
        h=x-qm-message-state:mime-version:references:in-reply-to:from:date
         :message-id:subject:to:cc;
        bh=zo6s7F9/bPiSKq8jiQUJ3XkPBMXweS4yw8WH2HEVI+I=;
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         XqDYJAxICX4XjVOPu0V5k+kWCpJEPfsdqKz/XhM/1GA/1D1xhCYq2RHDjjGDk/1ZDJDS
         JNJQxc2+yG9si9bYR4CcW2J5vqMVyU2A7EwT+ufDWB4tpY/mDeh0udnv4JuTEnZ4o67H
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         15Nq==
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                  +baOZoxVLZb0QJiflmqu9H9Y=
X-Received: by 2002:alc:9c52:: with SMTP id f79mr1787283wme.89.1569351621877;
        Tue, 24 Sep 2019 12:00:21 -0700 (PDT)
X-Received: by 2002:a1c:9c52:: with SMTP id f79mr1787243wme.89.1569351621564;
Tue, 24 Sep 2019 12:00:21 -0700 (PDT)
MIME-Version: 1.0
References: <9C2FEA87-D626-4CD0-9B31-132CB4EE8A81@cerege.fr>
 <5D8A5BBC.20575.387366C6@andy.seao2.org> <CAL-T-Mbt1wvJHHgtt1bXDLTR+SC6if2zMk2JrDZqmstqQX44Eg@mail.
<5D8A6418.25383.3894108C@andy.seao2.org>
In-Reply-To: <5D8A6418.25383.3894108C@andy.seao2.org>
From: =?UTF-8?Q?Dominik_H=C3=BClse?= <dominikh@ucr.edu>
Date: Tue, 24 Sep 2019 12:00:10 -0700
Message-ID: <CAH_0sfu7HyrBWMbTgXO_zakkn890YjmA6OsRGNCJ=Ad5BXK5gg@mail.gmail.com>
Subject: Re: Carbon cycle in the Devonian, time Lag?
To: Andy Ridgwell <andy@seao2.org>
Cc: Pam Vervoort cc: Pam Vervoort prerv001@ucr.edu>
Content-Type: multipart/mixed; boundary="00000000000f19640593512518"
X-PMFLAGS: 572018880 0 1 PGZMN0AM.CNM
Found it - user-config attached for an OAE2 run. I just added the
settings
below to the user-config.
Dom
# Call orbit radfor
ea 38="y"
# Specify the type of orbital forcing default (0), time-varying (1),
alternative config (2)
ea 39=1
# Number of data points in orbits file
ea 40=1001
# Interval between data points in goldstein time steps
ea 41=96000
# filename for orbital parameters (must be in genie-embm/data/input)
ea_42="orbits_La2004 1Myr.dat"
On Tue, Sep 24, 2019 at 11:45 AM Andy Ridqwell <andy@seao2.org> wrote:
> thanks!
> > No problem, I'll get right to it after lunch.
> > Dom, remind me again what I sent you a while back? Could be sent me
> > the
> > user-config file perhaps?
> >
> > *Pam Vervoort*
```

```
> >
> > Ph.D. student Global Climate & Environmental Change
> > University of California, Riverside
> > Geology Building 1324
> > pverv001@ucr.edu
> >
> >
> >
>> On Tue, Sep 24, 2019 at 11:09 AM Andy Ridgwell <andy@seao2.org>
> > wrote:
> >
> > >
> > I want to run GENIE forced with some orbital variation ... much
> > like you
> > > helped Dom do.
>> Please could you write something for the muffin manual? Just send
> > em plain
> > text, on what
>> settings to set and where any files should go, and what the file
> > format is.
>> Could I also get a copy of the orbital file Dom used? What time
> > was it for
> > > (modern/recent or
> > > earlier Cenozoic)?
> > >
> > Any chance you could do this today? I doubt it would take you more
> > than 30
> > > mins.
> > >
> > >
> > /andy
> > >
> > >
> > >
> >
>
```