

## LSNReviews

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**From:** Richard Codell [RBC@nrc.gov]  
**Sent:** Thursday, May 26, 2005 4:33 PM  
**To:** [REDACTED]  
**Cc:** rjanetzke@cnwra.swri.edu; Christopher Grossman  
**Subject:** Re: email 1 of 2 - Regarding your question about Version (preSR546)  
**Attachments:** releaset\_sc546.jpg

Rob:

I ran both versions and got about the same result. I attach a plot showing both graphs for Np-237 release. The only thing I noticed is that there is a little jumpiness in the "post" case and it seems to occur on regular 100,000 year intervals.

I also ran the codes with the check (-chk) option on the compiler and got the message in both cases that

rlmass(1,1,1) has an undefined value. Error occurred at or near line 1080 in MAIN. This caused the run to abort. When I removed the checking option it ran OK, but this is some kind of error we should check out.

Dick

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>>> [REDACTED] 05/25/05 12:21PM >>>

Dick,

Attached you'll find a \*.zip file called "transfer.zip".  
It is from TPA500o, but I found that it successfully compiles RELEASET for TPA500h.

Just replace RELEASET.F and compile using "makecode"  
in that same subdirectory with the source code.

(I am assuming you have LF95.)

At least, this works for me.

Please let me know if you need something or this doesn't work.

Thanks,

Rob

(if you can't receive this \*.zip, give me a call and I'll send you the files in separate emails)

[REDACTED]

-----Original Message-----

From: Rwrice

To: RBC@nrc.gov

Cc: rjanetzke@cnwra.swri.edu

Sent: Wed, 25 May 2005 10:59:31 -0400

Subject: Re: email 1 of 2 - Regarding your question about Version (preSR546)

Dick,

I'm a bit slow on the response here -

When I sent you those files, I was thinking that you'd be running the TPA code, too, and would just be compiling TPA and also using the RELEASET executable that was created. (This is the way that I keep from worrying about having other files.)

I'll get those files to you for TPA Version 500o as soon as I can.

Take care,

Rob

-----Original Message-----

From: Richard Codell <RBC@nrc.gov>

To: [REDACTED]

Sent: Tue, 24 May 2005 18:21:05 -0400

Subject: Re: email 1 of 2 - Regarding your question about Version (preSR546)

Rob:

I am just now getting around to running these codes. I tried to compile them but needed an include file and also the zportpc.f routines. I got those things from older versions of tpa50, but I don't think they are necessarily the correct ones. Could you please supply the include file maxtimes.i and zportpc.f that are for these versions of releaset? Also, the makefile commands would be good too.

Sincerely

Dick

>>> [REDACTED] > 05/12/05 03:02PM >>>

(preSR546)

Dick,

I was talking to Ron about your question for what is the correct version to be using. You modified a 4.1 version of RELEASET and sent that to Ron.

I should have sent you the version of RELEASET source code before (5.0.0g) and after (5.0.0h) these modifications were brought into the TPA code.

I am sending you 2 emails with RELEASET source code attached that I've tried to name appropriately so I avoid confusing myself with the two versions (i.e., "releaset\_preSCR546.f" and "releaset\_postSCR546.f").

Hope this is useful,

Rob

# Np-237 releases Pre and Post SCR546

R Codell 5/26/05

