

GRACE Technical Note 13

TITLE:

Monthly estimates of degree-1 (geocenter) gravity coefficients, generated from GRACE (04-2002 - 06/2017) and GRACE-FO (06/2018 onward) RL0603 solutions.
Last reported data point: 16-Aug-2025.

UPDATE HISTORY:

Created/updated 15-Oct-2025 16:41:22.

AUTHOR:

Felix Landerer, Jet Propulsion Laboratory (JPL)
Contact: grace@jpl.nasa.gov

REFERENCES:

Sun, Y., R. Riva, and P. Ditmar (2016), Optimizing estimates of annual variations and trends in geocenter motion and J2 from a combination of GRACE data and geophysical models, *J. Geophys. Res. Solid Earth*, 121, doi:10.1002/2016JB013073.

Swenson, S., D. Chambers, and J. Wahr 2008 Estimating geocenter variations from a combination of GRACE and ocean model output, *J. Geophys. Res.*, 113, B08410, doi:10.1029/2007JB005338.

DESCRIPTION:

This file contains estimates of degree-1 gravity coefficients for the GRACE Release-06 data, based on ocean and atmospheric models and GRACE coefficients for degrees 2 and higher. The original method was developed by [Swenson et al., 2008], and subsequently expanded by [Sun et al., 2016] to include the effects of the barystatic sea level fingerprint (i.e.,

solving the sea level equation using land mass changes as measured by GRACE) in the ocean mass

contribution to degree-1.

The implementation for degree-1 coefficients below uses the optimal parameter values as described in [Sun et al., 2016]. These coefficients represent the degree 1 gravity coefficients that should be added to the GSM coefficients to correct for geocenter motion, relative to the modeled atmosphere and ocean degree 1 coefficients (e.g., GAC and GAD). The

coefficients have been normalized using the GRACE standards. Prior to the inversion for degree-1, GRACE-C20 has been replaced with the SLR-C20 (TN-14), and GIA has been corrected

with ICE6G-D.

To use for land applications or to compute global ocean mass, use these coefficients along with GRACE GSM coefficients for degrees 2 and higher, along with a Degree 1 Love number (k_1) = 0.021.

For ocean applications, add the degree 1 values found in the ocean bottom pressure product

(GAD) to these values. If you are interested in the full ocean, land, atmosphere geocenter, add the degree 1 values of the atmosphere/ocean product (GAC) to these values.

SPECIAL NOTES:

1) Reported values are derived from geopotential anomalies relative to GGM05C (epoch: 2008-01-01)

NOTE: A previous version from 04/2019 had an inconsistent epoch removed - please update all

data with the most recent version

2) The 1-sigma errors are based on Tab.1 of [Sun et al., 2016]

3) The native GRACE C20 coefficient has been replaced with SLR-C20 (TN-14v3)

4) GIA has been corrected for subtracting the ICE6G-D (Peltier et al., 2018) prior to the degree-1 inversion

5) From 06/2019 on, C30 in GRACE-FO has been replaced with SLR-C30 (TN-14v3)

FORMAT:

The data format is similar to that for GSM, GAD, and GAC files distributed by PODAAC, see GRACE Level-2 handbook for more information.

EGM Coefficient Record 2

variables:

record_key:

key_name : GRCOF2

long_name : Earth Gravity Spherical Harmonic Model Format Type

coverage_content_type : referenceInformation

data_type : string

comment : 1st column

degree_index:

long_name : spherical harmonic degree l

coverage_content_type : referenceInformation

data_type : int32

comment : 2nd column

order_index:

long_name : spherical harmonic order m

coverage_content_type : referenceInformation

data_type : int32

comment : 3rd column

clm:

long_name : Clm coefficient; cosine coefficient for degree l and order m

data_type : double precision

comment : 4th column

slm:

long_name : Slm coefficient; sine coefficient for degree l and order m

data_type : double precision

comment : 5th column

clm_std_dev:

long_name : standard deviation of Clm

coverage_content_type : qualityInformation

data_type : double precision

comment : 6th column;

slm_std_dev:

long_name : standard deviation of Slm

coverage_content_type : qualityInformation

data_type : double precision

comment : 7th column;

epoch_begin_time:

long_name : epoch begin of Clm, Slm coefficients

time_format : yyyyymmdd.hhmm

coverage_content_type : referenceInformation

data_type : string

comment : 8th column

epoch_stop_time:

long_name : epoch stop of Clm, Slm coefficients

time_format : yyyyymmdd.hhmm

coverage_content_type : referenceInformation

data_type : string

comment : 9th column

solution_flags:

long_name : Comment when present

coverage_content_type : referenceInformation

data_type : string

comment : 10th column

end of header

=====

GRCOF2 1 0 +5.462244001e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20020405.0000
20020501.0000

GRCOF2 1 1 +2.537007590e-10 -8.615852915e-11 +4.5296e-11 +5.0724e-11 20020405.0000
20020501.0000

GRCOF2 1 0 +4.557081525e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20020502.0000
20020518.0000

GRCOF2 1 1 +1.119601758e-10 -9.733715727e-11 +4.5296e-11 +5.0724e-11 20020502.0000
20020518.0000

GRCOF2 1 0 +2.642271547e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20020801.0000
20020901.0000

GRCOF2 1 1 -4.939886137e-11 +1.638214607e-11 +4.5296e-11 +5.0724e-11 20020801.0000
20020901.0000

GRCOF2 1 0 -1.627354886e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20020901.0000
20021001.0000

GRCOF2 1 1 -6.074709521e-11 +1.805214424e-10 +4.5296e-11 +5.0724e-11 20020901.0000
20021001.0000

GRCOF2 1 0 -1.089744164e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20021001.0000
20021101.0000

GRCOF2 1 1 +5.642810522e-12 +1.708294094e-10 +4.5296e-11 +5.0724e-11 20021001.0000
20021101.0000

GRCOF2 1 0 +1.623130777e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20021101.0000
20021201.0000

GRCOF2 1 1 -3.109622066e-13 +1.688093470e-10 +4.5296e-11 +5.0724e-11 20021101.0000
20021201.0000

GRCOF2 1 0 +1.625422259e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20021201.0000
20030101.0000

GRCOF2 1 1 -1.874016342e-11 +2.929346229e-11 +4.5296e-11 +5.0724e-11 20021201.0000
20030101.0000

GRCOF2 1 0 +3.767242186e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030101.0000
20030201.0000

GRCOF2 1 1 +1.301667683e-10 +4.386552817e-11 +4.5296e-11 +5.0724e-11 20030101.0000
20030201.0000

GRCOF2 1 0 +2.642577150e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030201.0000
20030301.0000

GRCOF2 1 1 +8.540641881e-11 -4.628443299e-11 +4.5296e-11 +5.0724e-11 20030201.0000
20030301.0000

GRCOF2 1 0 +3.998351048e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030301.0000
20030401.0000

GRCOF2 1 1 +1.309146076e-10 -1.214554955e-11 +4.5296e-11 +5.0724e-11 20030301.0000
20030401.0000

GRCOF2 1 0 +3.436989535e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030401.0000
20030501.0000

GRCOF2 1 1 +1.498781143e-10 -7.251364192e-11 +4.5296e-11 +5.0724e-11 20030401.0000
20030501.0000

GRCOF2 1 0 +3.162871073e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030501.0000
20030522.0000

GRCOF2 1 1 +1.036900384e-10 -1.107788590e-10 +4.5296e-11 +5.0724e-11 20030501.0000
20030522.0000

GRCOF2 1 0 +4.657563025e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030701.0000
20030801.0000

GRCOF2 1 1 +1.090371317e-10 -4.136148573e-11 +4.5296e-11 +5.0724e-11 20030701.0000
20030801.0000

GRCOF2 1 0 -3.920757199e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030801.0000
20030901.0000

GRCOF2 1 1 +4.240827508e-11 +7.724243529e-11 +4.5296e-11 +5.0724e-11 20030801.0000
20030901.0000

GRCOF2 1 0 -2.022282299e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20030901.0000
20031001.0000

GRCOF2 1 1 -5.497574785e-11 +2.480481572e-10 +4.5296e-11 +5.0724e-11 20030901.0000
20031001.0000

GRCOF2 1 0 -4.661280981e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20031001.0000
20031101.0000

GRCOF2 1 1 -1.122478882e-10 +1.955166199e-10 +4.5296e-11 +5.0724e-11 20031001.0000
20031101.0000

GRCOF2 1 0 +6.102141065e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20031101.0000
20031201.0000

GRCOF2 1 1 -8.120757513e-11 +7.905647752e-11 +4.5296e-11 +5.0724e-11 20031101.0000
20031201.0000

GRCOF2 1 0 +2.076080491e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20031201.0000
20040101.0000

GRCOF2 1 1 -7.993731231e-12 +1.230725512e-10 +4.5296e-11 +5.0724e-11 20031201.0000
20040101.0000

GRCOF2 1 0 +3.184827717e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040101.0000
20040114.0000

GRCOF2 1 1 +3.830819211e-11 +8.357197758e-11 +4.5296e-11 +5.0724e-11 20040101.0000
20040114.0000

GRCOF2 1 0 +3.809775458e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040204.0000
20040301.0000

GRCOF2 1 1 +8.833133728e-11 +1.148785694e-10 +4.5296e-11 +5.0724e-11 20040204.0000
20040301.0000

GRCOF2 1 0 +2.884558856e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040301.0000
20040401.0000

GRCOF2 1 1 +9.710089167e-11 -1.135638763e-11 +4.5296e-11 +5.0724e-11 20040301.0000
20040401.0000

GRCOF2 1 0 +4.969117723e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040401.0000
20040501.0000

GRCOF2 1 1 +2.242955969e-10 +2.395600921e-12 +4.5296e-11 +5.0724e-11 20040401.0000
20040501.0000

GRCOF2 1 0 +3.522613577e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040501.0000
20040601.0000

GRCOF2 1 1 +1.730838843e-10 -1.358873230e-10 +4.5296e-11 +5.0724e-11 20040501.0000
20040601.0000

GRCOF2 1 0 +3.260195282e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040601.0000
20040701.0000

GRCOF2 1 1 +6.652503690e-11 -9.113494608e-11 +4.5296e-11 +5.0724e-11 20040601.0000
20040701.0000

GRCOF2 1 0 +1.124083589e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040701.0000
20040801.0000

GRCOF2 1 1 +1.187407491e-10 +1.870560172e-11 +4.5296e-11 +5.0724e-11 20040701.0000
20040801.0000

GRCOF2 1 0 -9.016089997e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040801.0000
20040901.0000

GRCOF2 1 1 -6.105552027e-11 +9.188028743e-11 +4.5296e-11 +5.0724e-11 20040801.0000
20040901.0000

GRCOF2 1 0 -4.423681630e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20040901.0000
20041001.0000

GRCOF2 1 1 -1.506326861e-10 +1.354863061e-10 +4.5296e-11 +5.0724e-11 20040901.0000
20041001.0000

GRCOF2 1 0 -6.701354792e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20041001.0000
20041101.0000

GRCOF2 1 1 -1.270245143e-10 +1.477165137e-10 +4.5296e-11 +5.0724e-11 20041001.0000
20041101.0000

GRCOF2 1 0 +9.772554423e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20041101.0000
20041201.0000

GRCOF2 1 1 -6.607039010e-11 +7.317065349e-11 +4.5296e-11 +5.0724e-11 20041101.0000
20041201.0000

GRCOF2 1 0 +2.895672399e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20041201.0000
20050101.0000

GRCOF2 1 1 +1.527168602e-11 +3.669414976e-11 +4.5296e-11 +5.0724e-11 20041201.0000
20050101.0000

GRCOF2 1 0 +2.866131945e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050101.0000
20050201.0000

GRCOF2 1 1 -3.800619168e-11 -1.580253365e-11 +4.5296e-11 +5.0724e-11 20050101.0000
20050201.0000

GRCOF2 1 0 +4.502411697e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050201.0000
20050301.0000

GRCOF2 1 1 +1.086819545e-10 -6.716925201e-12 +4.5296e-11 +5.0724e-11 20050201.0000
20050301.0000

GRCOF2 1 0 +5.076787197e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050302.0000
20050401.0000

GRCOF2 1 1 +1.454377812e-10 -5.689710589e-11 +4.5296e-11 +5.0724e-11 20050302.0000
20050401.0000

GRCOF2 1 0 +4.965645398e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050401.0000
20050501.0000

GRCOF2 1 1 +1.446968445e-10 -2.383409715e-10 +4.5296e-11 +5.0724e-11 20050401.0000
20050501.0000

GRCOF2 1 0 +5.044921063e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050501.0000
20050601.0000

GRCOF2 1 1 +1.857154430e-10 -1.801356256e-10 +4.5296e-11 +5.0724e-11 20050501.0000
20050601.0000

GRCOF2 1 0 +2.718527052e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050601.0000
20050701.0000

GRCOF2 1 1 +6.161383612e-11 -1.330043354e-10 +4.5296e-11 +5.0724e-11 20050601.0000
20050701.0000

GRCOF2 1 0 +3.287758455e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050701.0000
20050801.0000

GRCOF2 1 1 -9.039570391e-11 -5.272247916e-11 +4.5296e-11 +5.0724e-11 20050701.0000
20050801.0000

GRCOF2 1 0 -5.739170986e-12 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050801.0000
20050901.0000

GRCOF2 1 1 -8.325381181e-11 +1.084034383e-10 +4.5296e-11 +5.0724e-11 20050801.0000
20050901.0000

GRCOF2 1 0 -6.030370944e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20050901.0000
20051001.0000

GRCOF2 1 1 -1.021122471e-10 +1.842001320e-10 +4.5296e-11 +5.0724e-11 20050901.0000
20051001.0000

GRCOF2 1 0 -1.881811201e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20051001.0000
20051101.0000

GRCOF2 1 1 -9.042307840e-11 +1.340196371e-10 +4.5296e-11 +5.0724e-11 20051001.0000
20051101.0000

GRCOF2 1 0 +1.672283369e-12 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20051101.0000
20051201.0000

GRCOF2 1 1 -1.766941837e-10 +1.397784795e-10 +4.5296e-11 +5.0724e-11 20051101.0000
20051201.0000

GRCOF2 1 0 +6.827787497e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20051201.0000
20060101.0000

GRCOF2 1 1 -1.018923576e-10 +7.972295521e-12 +4.5296e-11 +5.0724e-11 20051201.0000
20060101.0000

GRCOF2 1 0 +1.891637695e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060101.0000
20060201.0000

GRCOF2 1 1 -9.145780626e-12 -3.561395728e-11 +4.5296e-11 +5.0724e-11 20060101.0000
20060201.0000

GRCOF2 1 0 +2.607458465e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060201.0000
20060301.0000

GRCOF2 1 1 +3.524168420e-11 -8.012917800e-11 +4.5296e-11 +5.0724e-11 20060201.0000
20060301.0000

GRCOF2 1 0 +3.057923405e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060301.0000
20060401.0000

GRCOF2 1 1 +1.995178808e-10 -9.665353791e-11 +4.5296e-11 +5.0724e-11 20060301.0000
20060401.0000

GRCOF2 1 0 +3.128435525e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060401.0000
20060501.0000

GRCOF2 1 1 +2.398998571e-10 -2.110196985e-10 +4.5296e-11 +5.0724e-11 20060401.0000
20060501.0000

GRCOF2 1 0 +2.152624457e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060501.0000
20060601.0000

GRCOF2 1 1 +8.180471049e-11 -1.423629882e-10 +4.5296e-11 +5.0724e-11 20060501.0000
20060601.0000

GRCOF2 1 0 +1.600659641e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060601.0000
20060701.0000

GRCOF2 1 1 +2.200173424e-11 -1.507070059e-10 +4.5296e-11 +5.0724e-11 20060601.0000
20060701.0000

GRCOF2 1 0 -6.339547191e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060701.0000
20060801.0000

GRCOF2 1 1 -5.999037804e-11 -7.829290791e-11 +4.5296e-11 +5.0724e-11 20060701.0000
20060801.0000

GRCOF2 1 0 -1.389312669e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060801.0000
20060901.0000

GRCOF2 1 1 -6.611939695e-11 +4.594975895e-11 +4.5296e-11 +5.0724e-11 20060801.0000
20060901.0000

GRCOF2 1 0 -1.606941739e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20060901.0000
20061001.0000

GRCOF2 1 1 -1.525769839e-10 +2.076301003e-10 +4.5296e-11 +5.0724e-11 20060901.0000
20061001.0000

GRCOF2 1 0 -2.010534855e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20061001.0000
20061101.0000

GRCOF2 1 1 -1.593343847e-10 +1.069603075e-10 +4.5296e-11 +5.0724e-11 20061001.0000
20061101.0000

GRCOF2 1 0 +2.196556688e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20061101.0000
20061201.0000

GRCOF2 1 1 -1.066642315e-11 +1.232953426e-10 +4.5296e-11 +5.0724e-11 20061101.0000
20061201.0000

GRCOF2 1 0 +8.583055359e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20061201.0000
20070101.0000

GRCOF2 1 1 +6.981497620e-11 +1.778456644e-11 +4.5296e-11 +5.0724e-11 20061201.0000
20070101.0000

GRCOF2 1 0 +1.618001083e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070101.0000
20070201.0000

GRCOF2 1 1 +1.512035943e-10 +6.017395424e-12 +4.5296e-11 +5.0724e-11 20070101.0000
20070201.0000

GRCOF2 1 0 +2.115620389e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070201.0000
20070301.0000

GRCOF2 1 1 +1.748089231e-10 -1.804584545e-11 +4.5296e-11 +5.0724e-11 20070201.0000
20070301.0000

GRCOF2 1 0 +2.628170953e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070301.0000
20070401.0000

GRCOF2 1 1 +1.305855888e-10 -1.821271927e-11 +4.5296e-11 +5.0724e-11 20070301.0000
20070401.0000

GRCOF2 1 0 +2.765392573e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070401.0000
20070501.0000

GRCOF2 1 1 +1.572303325e-10 -1.172898778e-10 +4.5296e-11 +5.0724e-11 20070401.0000
20070501.0000

GRCOF2 1 0 +2.388327819e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070501.0000
20070601.0000

GRCOF2 1 1 +1.339276050e-10 -1.449393708e-10 +4.5296e-11 +5.0724e-11 20070501.0000
20070601.0000

GRCOF2 1 0 +9.706903554e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070601.0000
20070701.0000

GRCOF2 1 1 +6.816353517e-11 -1.500920671e-10 +4.5296e-11 +5.0724e-11 20070601.0000
20070701.0000

GRCOF2 1 0 -7.342857908e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070701.0000
20070801.0000

GRCOF2 1 1 -2.004666559e-11 +3.365722373e-11 +4.5296e-11 +5.0724e-11 20070701.0000
20070801.0000

GRCOF2 1 0 -1.414550197e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070801.0000
20070901.0000

GRCOF2 1 1 -3.556520900e-12 +2.215302609e-10 +4.5296e-11 +5.0724e-11 20070801.0000
20070901.0000

GRCOF2 1 0 -1.979143880e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20070901.0000
20071001.0000

GRCOF2 1 1 -1.422609112e-10 +2.521418552e-10 +4.5296e-11 +5.0724e-11 20070901.0000
20071001.0000

GRCOF2 1 0 -2.419635156e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20071001.0000
20071101.0000

GRCOF2 1 1 -1.758941379e-10 +1.795491186e-10 +4.5296e-11 +5.0724e-11 20071001.0000
20071101.0000

GRCOF2 1 0 -1.748655630e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20071101.0000
20071201.0000

GRCOF2 1 1 -8.709750114e-11 +1.424280347e-10 +4.5296e-11 +5.0724e-11 20071101.0000
20071201.0000

GRCOF2 1 0 +8.389705423e-12 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20071201.0000
20080101.0000

GRCOF2 1 1 +1.330335754e-11 +5.265342328e-11 +4.5296e-11 +5.0724e-11 20071201.0000
20080101.0000

GRCOF2 1 0 +9.141158590e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080101.0000
20080201.0000

GRCOF2 1 1 +5.683714244e-12 +3.065053329e-11 +4.5296e-11 +5.0724e-11 20080101.0000
20080201.0000

GRCOF2 1 0 +1.481604233e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080201.0000
20080301.0000

GRCOF2 1 1 +1.119781710e-10 -1.472591140e-11 +4.5296e-11 +5.0724e-11 20080201.0000
20080301.0000

GRCOF2 1 0 +2.746847486e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080301.0000
20080401.0000

GRCOF2 1 1 +1.924949148e-10 -5.357008782e-11 +4.5296e-11 +5.0724e-11 20080301.0000
20080401.0000

GRCOF2 1 0 +2.975653129e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080401.0000
20080501.0000

GRCOF2 1 1 +2.227999852e-10 -1.225458023e-10 +4.5296e-11 +5.0724e-11 20080401.0000
20080501.0000

GRCOF2 1 0 +2.005297118e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080501.0000
20080601.0000

GRCOF2 1 1 +2.004117672e-10 -2.009591958e-10 +4.5296e-11 +5.0724e-11 20080501.0000
20080601.0000

GRCOF2 1 0 +2.603458610e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080601.0000
20080701.0000

GRCOF2 1 1 +8.222666095e-11 -1.668005732e-10 +4.5296e-11 +5.0724e-11 20080601.0000
20080701.0000

GRCOF2 1 0 -1.257894321e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080701.0000
20080801.0000

GRCOF2 1 1 -1.519281590e-11 -1.106489751e-11 +4.5296e-11 +5.0724e-11 20080701.0000
20080801.0000

GRCOF2 1 0 -1.819248125e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080801.0000
20080901.0000

GRCOF2 1 1 -2.591866539e-11 +1.129447772e-10 +4.5296e-11 +5.0724e-11 20080801.0000
20080901.0000

GRCOF2 1 0 -2.334176619e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20080901.0000
20081001.0000

GRCOF2 1 1 -1.039029334e-10 +1.464618889e-10 +4.5296e-11 +5.0724e-11 20080901.0000
20081001.0000

GRCOF2 1 0 -1.902692382e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20081001.0000
20081101.0000

GRCOF2 1 1 -1.105061349e-10 +9.973979064e-11 +4.5296e-11 +5.0724e-11 20081001.0000
20081101.0000

GRCOF2 1 0 -1.903349195e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20081101.0000
20081201.0000

GRCOF2 1 1 -1.659244220e-10 +9.571940307e-11 +4.5296e-11 +5.0724e-11 20081101.0000
20081201.0000

GRCOF2 1 0 -9.746010890e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20081201.0000
20090101.0000

GRCOF2 1 1 -5.028792233e-11 +4.835355956e-11 +4.5296e-11 +5.0724e-11 20081201.0000
20090101.0000

GRCOF2 1 0 +7.260086760e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090101.0000
20090201.0000

GRCOF2 1 1 +3.396246514e-11 +3.126632634e-11 +4.5296e-11 +5.0724e-11 20090101.0000
20090201.0000

GRCOF2 1 0 +8.177008232e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090201.0000
20090301.0000

GRCOF2 1 1 +7.771847170e-11 -2.639804156e-11 +4.5296e-11 +5.0724e-11 20090201.0000
20090301.0000

GRCOF2 1 0 +1.367514815e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090301.0000
20090401.0000

GRCOF2 1 1 +1.747711867e-10 -1.502955554e-10 +4.5296e-11 +5.0724e-11 20090301.0000
20090401.0000

GRCOF2 1 0 +2.171467988e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090401.0000
20090501.0000

GRCOF2 1 1 +2.236063459e-10 -1.516693596e-10 +4.5296e-11 +5.0724e-11 20090401.0000
20090501.0000

GRCOF2 1 0 +1.905558563e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090501.0000
20090601.0000

GRCOF2 1 1 +1.539349172e-10 -2.142543839e-10 +4.5296e-11 +5.0724e-11 20090501.0000
20090601.0000

GRCOF2 1 0 +5.651320902e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090601.0000
20090701.0000

GRCOF2 1 1 +1.151435564e-10 -1.829229337e-10 +4.5296e-11 +5.0724e-11 20090601.0000
20090701.0000

GRCOF2 1 0 -1.718537011e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090701.0000
20090801.0000

GRCOF2 1 1 +3.764182580e-11 -8.584524439e-11 +4.5296e-11 +5.0724e-11 20090701.0000
20090801.0000

GRCOF2 1 0 -2.596729581e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090801.0000
20090901.0000

GRCOF2 1 1 -2.434805748e-11 +5.012191289e-11 +4.5296e-11 +5.0724e-11 20090801.0000
20090901.0000

GRCOF2 1 0 -2.891398038e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20090901.0000
20091001.0000

GRCOF2 1 1 -3.188933499e-11 +1.129136876e-10 +4.5296e-11 +5.0724e-11 20090901.0000
20091001.0000

GRCOF2 1 0 -3.021987753e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20091001.0000
20091101.0000

GRCOF2 1 1 -1.579150010e-10 +9.550391673e-11 +4.5296e-11 +5.0724e-11 20091001.0000
20091101.0000

GRCOF2 1 0 -3.050201728e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20091101.0000
20091201.0000

GRCOF2 1 1 -1.181230382e-10 +5.727301067e-11 +4.5296e-11 +5.0724e-11 20091101.0000
20091201.0000

GRCOF2 1 0 -1.012811618e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20091201.0000
20100101.0000

GRCOF2 1 1 -5.465065106e-11 +6.658149627e-12 +4.5296e-11 +5.0724e-11 20091201.0000
20100101.0000

GRCOF2 1 0 +3.502169801e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100101.0000
20100201.0000

GRCOF2 1 1 +7.776563334e-11 -2.438175555e-11 +4.5296e-11 +5.0724e-11 20100101.0000
20100201.0000

GRCOF2 1 0 -5.672492561e-12 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100201.0000
20100301.0000

GRCOF2 1 1 +8.711112094e-11 -9.097924045e-11 +4.5296e-11 +5.0724e-11 20100201.0000
20100301.0000

GRCOF2 1 0 +1.490177128e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100301.0000
20100401.0000

GRCOF2 1 1 +1.587401587e-10 -7.495161101e-11 +4.5296e-11 +5.0724e-11 20100301.0000
20100401.0000

GRCOF2 1 0 +6.609270486e-12 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100401.0000
20100501.0000

GRCOF2 1 1 +1.662159101e-10 -1.311117693e-10 +4.5296e-11 +5.0724e-11 20100401.0000
20100501.0000

GRCOF2 1 0 +1.074228932e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100501.0000
20100601.0000

GRCOF2 1 1 +1.456525171e-10 -9.597639254e-11 +4.5296e-11 +5.0724e-11 20100501.0000
20100601.0000

GRCOF2 1 0 -6.813851424e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100601.0000
20100701.0000

GRCOF2 1 1 -3.109792429e-11 -1.086192610e-10 +4.5296e-11 +5.0724e-11 20100601.0000
20100701.0000

GRCOF2 1 0 -1.991398425e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100701.0000
20100801.0000

GRCOF2 1 1 -2.467085011e-11 -7.377313959e-11 +4.5296e-11 +5.0724e-11 20100701.0000
20100801.0000

GRCOF2 1 0 -3.358670057e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100801.0000
20100901.0000

GRCOF2 1 1 -8.917429463e-11 +4.720370480e-11 +4.5296e-11 +5.0724e-11 20100801.0000
20100901.0000

GRCOF2 1 0 -3.530302331e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20100901.0000
20101001.0000

GRCOF2 1 1 -2.169496154e-10 +2.165052118e-10 +4.5296e-11 +5.0724e-11 20100901.0000
20101001.0000

GRCOF2 1 0 -3.691617571e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20101001.0000
20101101.0000

GRCOF2 1 1 -1.924915659e-10 +2.482423076e-10 +4.5296e-11 +5.0724e-11 20101001.0000
20101101.0000

GRCOF2 1 0 -2.259574381e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20101101.0000
20101201.0000

GRCOF2 1 1 -1.189250869e-10 +2.152079707e-10 +4.5296e-11 +5.0724e-11 20101101.0000
20101201.0000

GRCOF2 1 0 -1.131691867e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20101201.0000
20101228.0000

GRCOF2 1 1 -2.408982543e-11 +1.471055210e-10 +4.5296e-11 +5.0724e-11 20101201.0000
20101228.0000

GRCOF2 1 0 -3.906517291e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110208.0000
20110301.0000

GRCOF2 1 1 +4.378322637e-11 -8.107863530e-12 +4.5296e-11 +5.0724e-11 20110208.0000
20110301.0000

GRCOF2 1 0 +4.209678641e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110301.0000
20110401.0000

GRCOF2 1 1 +8.378454575e-11 -6.963188917e-11 +4.5296e-11 +5.0724e-11 20110301.0000
20110401.0000

GRCOF2 1 0 +6.213283368e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110401.0000
20110501.0000

GRCOF2 1 1 +1.460692203e-10 -3.445057759e-11 +4.5296e-11 +5.0724e-11 20110401.0000
20110501.0000

GRCOF2 1 0 +6.049359454e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110501.0000
20110601.0000

GRCOF2 1 1 +1.481034795e-10 -1.013161219e-10 +4.5296e-11 +5.0724e-11 20110501.0000
20110601.0000

GRCOF2 1 0 -3.555166885e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110705.0000
20110801.0000

GRCOF2 1 1 -1.330333901e-10 -6.405055128e-11 +4.5296e-11 +5.0724e-11 20110705.0000
20110801.0000

GRCOF2 1 0 -4.526822626e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110801.0000
20110901.0000

GRCOF2 1 1 -1.639789982e-10 +2.158492294e-10 +4.5296e-11 +5.0724e-11 20110801.0000
20110901.0000

GRCOF2 1 0 -4.383958350e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20110901.0000
20111001.0000

GRCOF2 1 1 -1.629823471e-10 +2.925575541e-10 +4.5296e-11 +5.0724e-11 20110901.0000
20111001.0000

GRCOF2 1 0 -4.546631447e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20111001.0000
20111101.0000

GRCOF2 1 1 -1.758612624e-10 +2.763596029e-10 +4.5296e-11 +5.0724e-11 20111001.0000
20111101.0000

GRCOF2 1 0 -4.377829971e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20111016.0000
20111116.0000

GRCOF2 1 1 -1.366552831e-10 +2.693300055e-10 +4.5296e-11 +5.0724e-11 20111016.0000
20111116.0000

GRCOF2 1 0 -2.068690000e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20111213.0000
20120112.0000

GRCOF2 1 1 -9.884047859e-11 +1.439477410e-10 +4.5296e-11 +5.0724e-11 20111213.0000
20120112.0000

GRCOF2 1 0 -1.998832095e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120101.0000
20120201.0000

GRCOF2 1 1 -6.446238427e-11 +1.077633768e-10 +4.5296e-11 +5.0724e-11 20120101.0000
20120201.0000

GRCOF2 1 0 -1.762240194e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120201.0000
20120301.0000

GRCOF2 1 1 -3.506832503e-11 +1.817442830e-12 +4.5296e-11 +5.0724e-11 20120201.0000
20120301.0000

GRCOF2 1 0 -3.927540572e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120301.0000
20120401.0000

GRCOF2 1 1 +7.825606910e-12 +2.041836212e-11 +4.5296e-11 +5.0724e-11 20120301.0000
20120401.0000

GRCOF2 1 0 -2.096277229e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120320.0000
20120419.0000

GRCOF2 1 1 -1.617466056e-11 -9.794901700e-12 +4.5296e-11 +5.0724e-11 20120320.0000
20120419.0000

GRCOF2 1 0 -2.921579934e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120601.0000
20120701.0000

GRCOF2 1 1 -6.399142186e-11 -1.632819524e-10 +4.5296e-11 +5.0724e-11 20120601.0000
20120701.0000

GRCOF2 1 0 -4.201662911e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120701.0000
20120801.0000

GRCOF2 1 1 -1.285689696e-10 +1.103474274e-10 +4.5296e-11 +5.0724e-11 20120701.0000
20120801.0000

GRCOF2 1 0 -5.975818166e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120801.0000
20120901.0000

GRCOF2 1 1 -2.682416108e-10 +1.878060426e-10 +4.5296e-11 +5.0724e-11 20120801.0000
20120901.0000

GRCOF2 1 0 -5.860229323e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20120901.0000
20120926.0000

GRCOF2 1 1 -1.918816821e-10 +3.717106714e-10 +4.5296e-11 +5.0724e-11 20120901.0000
20120926.0000

GRCOF2 1 0 -4.331002855e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20121106.0000
20121201.0000

GRCOF2 1 1 -1.858513084e-10 +2.435991814e-10 +4.5296e-11 +5.0724e-11 20121106.0000
20121201.0000

GRCOF2 1 0 -4.204930046e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20121201.0000
20130101.0000

GRCOF2 1 1 -1.438764812e-10 +1.996561400e-10 +4.5296e-11 +5.0724e-11 20121201.0000
20130101.0000

GRCOF2 1 0 -2.831012161e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20130101.0000
20130201.0000

GRCOF2 1 1 -1.281877217e-10 +2.523392714e-10 +4.5296e-11 +5.0724e-11 20130101.0000
20130201.0000

GRCOF2 1 0 -2.178833924e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20130201.0000
20130227.0000

GRCOF2 1 1 -6.498275820e-11 +1.520646733e-10 +4.5296e-11 +5.0724e-11 20130201.0000
20130227.0000

GRCOF2 1 0 -1.103946631e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20130411.0000
20130501.0000

GRCOF2 1 1 +4.142397849e-11 -4.636129504e-11 +4.5296e-11 +5.0724e-11 20130411.0000
20130501.0000

GRCOF2 1 0 -1.334533129e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20130501.0000
20130601.0000

GRCOF2 1 1 +3.486628115e-11 -4.680992790e-11 +4.5296e-11 +5.0724e-11 20130501.0000
20130601.0000

GRCOF2 1 0 -2.401582413e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20130601.0000
20130701.0000

GRCOF2 1 1 -2.298076079e-11 -3.565082483e-11 +4.5296e-11 +5.0724e-11 20130601.0000
20130701.0000

GRCOF2 1 0 -4.872171589e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20130701.0000
20130801.0000

GRCOF2 1 1 -1.610349674e-10 +9.205277684e-11 +4.5296e-11 +5.0724e-11 20130701.0000
20130801.0000

GRCOF2 1 0 -4.998639769e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20131001.0000
20131101.0000

GRCOF2 1 1 -2.060447172e-10 +2.132674478e-10 +4.5296e-11 +5.0724e-11 20131001.0000
20131101.0000

GRCOF2 1 0 -4.664148049e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20131101.0000
20131201.0000

GRCOF2 1 1 -2.083672916e-10 +1.871931681e-10 +4.5296e-11 +5.0724e-11 20131101.0000
20131201.0000

GRCOF2 1 0 -2.674501208e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20131201.0000
20140101.0000

GRCOF2 1 1 -1.747533537e-10 +1.778158090e-10 +4.5296e-11 +5.0724e-11 20131201.0000
20140101.0000

GRCOF2 1 0 -1.852975733e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140101.0000
20140118.0000

GRCOF2 1 1 +1.335776528e-11 +1.018800276e-10 +4.5296e-11 +5.0724e-11 20140101.0000
20140118.0000

GRCOF2 1 0 -1.286608896e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140301.0000
20140401.0000

GRCOF2 1 1 +1.456464427e-10 -1.616969334e-11 +4.5296e-11 +5.0724e-11 20140301.0000
20140401.0000

GRCOF2 1 0 -1.939906010e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140401.0000
20140501.0000

GRCOF2 1 1 +2.643731116e-11 -5.274479846e-11 +4.5296e-11 +5.0724e-11 20140401.0000
20140501.0000

GRCOF2 1 0 -1.384380473e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140501.0000
20140601.0000

GRCOF2 1 1 +5.831041684e-11 -1.148389880e-11 +4.5296e-11 +5.0724e-11 20140501.0000
20140601.0000

GRCOF2 1 0 -2.821494762e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140601.0000
20140625.0000

GRCOF2 1 1 -1.720310121e-11 -1.043506861e-10 +4.5296e-11 +5.0724e-11 20140601.0000
20140625.0000

GRCOF2 1 0 -6.096343195e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140801.0000
20140901.0000

GRCOF2 1 1 -1.813988937e-10 +9.690045038e-11 +4.5296e-11 +5.0724e-11 20140801.0000
20140901.0000

GRCOF2 1 0 -7.024270157e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20140901.0000
20141001.0000

GRCOF2 1 1 -2.391778571e-10 +1.828755437e-10 +4.5296e-11 +5.0724e-11 20140901.0000
20141001.0000

GRCOF2 1 0 -6.053895452e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20141001.0000
20141101.0000

GRCOF2 1 1 -2.232529689e-10 +2.383655936e-10 +4.5296e-11 +5.0724e-11 20141001.0000
20141101.0000

GRCOF2 1 0 -4.319078914e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20141101.0000
20141201.0000

GRCOF2 1 1 -1.975919456e-10 +2.538673142e-10 +4.5296e-11 +5.0724e-11 20141101.0000
20141201.0000

GRCOF2 1 0 -4.528301737e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150113.0000
20150201.0000

GRCOF2 1 1 -1.712354711e-10 +1.269597429e-10 +4.5296e-11 +5.0724e-11 20150113.0000
20150201.0000

GRCOF2 1 0 -3.001345459e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150201.0000
20150301.0000

GRCOF2 1 1 -5.657402430e-11 +1.374488411e-10 +4.5296e-11 +5.0724e-11 20150201.0000
20150301.0000

GRCOF2 1 0 -1.633556801e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150301.0000
20150401.0000

GRCOF2 1 1 -5.099953938e-11 +4.455217669e-11 +4.5296e-11 +5.0724e-11 20150301.0000
20150401.0000

GRCOF2 1 0 -1.711501567e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150401.0000
20150501.0000

GRCOF2 1 1 +8.522036076e-12 +1.030874343e-12 +4.5296e-11 +5.0724e-11 20150401.0000
20150501.0000

GRCOF2 1 0 -1.771339310e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150412.0000
20150512.0000

GRCOF2 1 1 +5.882709644e-11 -4.379398396e-12 +4.5296e-11 +5.0724e-11 20150412.0000
20150512.0000

GRCOF2 1 0 -5.679356516e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150629.0000
20150801.0000

GRCOF2 1 1 -1.832517598e-10 -5.198018982e-12 +4.5296e-11 +5.0724e-11 20150629.0000
20150801.0000

GRCOF2 1 0 -6.215110577e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150801.0000
20150901.0000

GRCOF2 1 1 -2.251302822e-10 +1.540422515e-10 +4.5296e-11 +5.0724e-11 20150801.0000
20150901.0000

GRCOF2 1 0 -7.268778479e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20150901.0000
20150928.0000

GRCOF2 1 1 -2.769607443e-10 +2.186901389e-10 +4.5296e-11 +5.0724e-11 20150901.0000
20150928.0000

GRCOF2 1 0 -4.162170653e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20151212.0000
20160104.0000

GRCOF2 1 1 -3.323720372e-10 +1.688747912e-10 +4.5296e-11 +5.0724e-11 20151212.0000
20160104.0000

GRCOF2 1 0 -3.654298895e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160104.0000
20160129.0000

GRCOF2 1 1 -2.480980820e-10 +1.794990696e-10 +4.5296e-11 +5.0724e-11 20160104.0000
20160129.0000

GRCOF2 1 0 -2.343726353e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160129.0000
20160301.0000

GRCOF2 1 1 -2.122413802e-10 +2.232922625e-10 +4.5296e-11 +5.0724e-11 20160129.0000
20160301.0000

GRCOF2 1 0 -2.277822111e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160301.0000
20160401.0000

GRCOF2 1 1 -1.002068537e-10 +1.694666152e-10 +4.5296e-11 +5.0724e-11 20160301.0000
20160401.0000

GRCOF2 1 0 -2.322655447e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160508.0000
20160601.0000

GRCOF2 1 1 -1.463891111e-10 +7.516117476e-12 +4.5296e-11 +5.0724e-11 20160508.0000
20160601.0000

GRCOF2 1 0 -3.691211741e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160601.0000
20160701.0000

GRCOF2 1 1 -1.663910063e-10 +8.799682181e-11 +4.5296e-11 +5.0724e-11 20160601.0000
20160701.0000

GRCOF2 1 0 -6.022834650e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160701.0000
20160730.0000

GRCOF2 1 1 -2.820446257e-10 +2.419324546e-10 +4.5296e-11 +5.0724e-11 20160701.0000
20160730.0000

GRCOF2 1 0 -7.752337051e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20160808.0000
20160904.0000

GRCOF2 1 1 -2.305381635e-10 +3.492721178e-10 +4.5296e-11 +5.0724e-11 20160808.0000
20160904.0000

GRCOF2 1 0 -7.534631685e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20161114.0000
20161211.0000

GRCOF2 1 1 -5.144470375e-10 +1.683911297e-10 +4.5296e-11 +5.0724e-11 20161114.0000
20161211.0000

GRCOF2 1 0 -5.905395126e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20161211.0000
20170107.0000

GRCOF2 1 1 -3.497520346e-10 +3.297939122e-10 +4.5296e-11 +5.0724e-11 20161211.0000
20170107.0000

GRCOF2 1 0 -2.990206238e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20170107.0000
20170202.0000

GRCOF2 1 1 -1.425504279e-10 +2.207221096e-10 +4.5296e-11 +5.0724e-11 20170107.0000
20170202.0000

GRCOF2 1 0 +6.021848445e-11 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20170317.0000
20170415.0000

GRCOF2 1 1 +1.602629679e-10 +4.559614806e-10 +4.5296e-11 +5.0724e-11 20170317.0000
20170415.0000

GRCOF2 1 0 -2.358720125e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20170410.0000
20170509.0000

GRCOF2 1 1 -1.066281166e-11 +2.206529072e-10 +4.5296e-11 +5.0724e-11 20170410.0000
20170509.0000

GRCOF2 1 0 -2.901539522e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20170502.0000
20170523.0000

GRCOF2 1 1 -5.761090956e-11 +3.538833843e-11 +4.5296e-11 +5.0724e-11 20170502.0000
20170523.0000

GRCOF2 1 0 -4.962469487e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20170523.0000
20170630.0000

GRCOF2 1 1 -1.515327376e-10 +1.513359950e-10 +4.5296e-11 +5.0724e-11 20170523.0000
20170630.0000

GRCOF2 1 0 -4.193047538e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20180601.0000
20180701.0000

GRCOF2 1 1 -2.082846611e-11 -5.196201197e-11 +4.5296e-11 +5.0724e-11 20180601.0000
20180701.0000

GRCOF2 1 0 -5.926081855e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20180701.0000
20180719.0000

GRCOF2 1 1 -1.242684675e-10 +9.052944281e-11 +4.5296e-11 +5.0724e-11 20180701.0000
20180719.0000

GRCOF2 1 0 -6.423861198e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20181022.0000
20181110.0000

GRCOF2 1 1 -1.992922775e-10 +1.709472565e-10 +4.5296e-11 +5.0724e-11 20181022.0000
20181110.0000

GRCOF2 1 0 -6.365472691e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20181101.0000
20181201.0000

GRCOF2 1 1 -2.389665151e-10 +1.447009900e-10 +4.5296e-11 +5.0724e-11 20181101.0000
20181201.0000

GRCOF2 1 0 -4.835808428e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20181201.0000
20190101.0000

GRCOF2 1 1 -1.833099382e-10 +4.894731024e-11 +4.5296e-11 +5.0724e-11 20181201.0000
20190101.0000

GRCOF2 1 0 -3.917039594e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190101.0000
20190201.0000

GRCOF2 1 1 -1.584235851e-10 +6.583479278e-11 +4.5296e-11 +5.0724e-11 20190101.0000
20190201.0000

GRCOF2 1 0 -2.910187029e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190126.0000
20190305.0000

GRCOF2 1 1 -1.236877626e-10 +5.963935235e-11 +4.5296e-11 +5.0724e-11 20190126.0000
20190305.0000

GRCOF2 1 0 -3.246110956e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190301.0000
20190401.0000

GRCOF2 1 1 -8.963207985e-11 -6.526478602e-11 +4.5296e-11 +5.0724e-11 20190301.0000
20190401.0000

GRCOF2 1 0 -2.670302395e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190401.0000
20190501.0000

GRCOF2 1 1 -3.476899391e-11 -1.007880924e-10 +4.5296e-11 +5.0724e-11 20190401.0000
20190501.0000

GRCOF2 1 0 -3.344023606e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190501.0000
20190601.0000

GRCOF2 1 1 -7.305294096e-11 -1.794082340e-10 +4.5296e-11 +5.0724e-11 20190501.0000
20190601.0000

GRCOF2 1 0 -5.333735193e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190601.0000
20190701.0000

GRCOF2 1 1 -1.846231934e-10 -1.474386287e-10 +4.5296e-11 +5.0724e-11 20190601.0000
20190701.0000

GRCOF2 1 0 -8.453267623e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190701.0000
20190801.0000

GRCOF2 1 1 -3.227570924e-10 -9.924000861e-11 +4.5296e-11 +5.0724e-11 20190701.0000
20190801.0000

GRCOF2 1 0 -8.028774336e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190801.0000
20190901.0000

GRCOF2 1 1 -2.761356400e-10 +3.984362612e-11 +4.5296e-11 +5.0724e-11 20190801.0000
20190901.0000

GRCOF2 1 0 -8.361823735e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20190901.0000
20191001.0000

GRCOF2 1 1 -2.631463492e-10 +1.211804554e-10 +4.5296e-11 +5.0724e-11 20190901.0000
20191001.0000

GRCOF2 1 0 -7.916808703e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20191001.0000
20191101.0000

GRCOF2 1 1 -2.639118766e-10 +1.837527525e-10 +4.5296e-11 +5.0724e-11 20191001.0000
20191101.0000

GRCOF2 1 0 -6.816106706e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20191101.0000
20191201.0000

GRCOF2 1 1 -2.595224901e-10 +1.956430961e-10 +4.5296e-11 +5.0724e-11 20191101.0000
20191201.0000

GRCOF2 1 0 -4.777516386e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20191201.0000
20200101.0000

GRCOF2 1 1 -9.839075700e-11 +1.234030481e-10 +4.5296e-11 +5.0724e-11 20191201.0000
20200101.0000

GRCOF2 1 0 -3.635916521e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200101.0000
20200201.0000

GRCOF2 1 1 -7.492186353e-11 +1.064514416e-10 +4.5296e-11 +5.0724e-11 20200101.0000
20200201.0000

GRCOF2 1 0 -3.742408912e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200201.0000
20200301.0000

GRCOF2 1 1 -2.771898927e-11 +1.658041820e-11 +4.5296e-11 +5.0724e-11 20200201.0000
20200301.0000

GRCOF2 1 0 -3.254860628e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200301.0000
20200401.0000

GRCOF2 1 1 -3.837843329e-12 +8.365416148e-11 +4.5296e-11 +5.0724e-11 20200301.0000
20200401.0000

GRCOF2 1 0 -2.853708535e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200401.0000
20200501.0000

GRCOF2 1 1 +5.529858483e-11 +6.499825795e-11 +4.5296e-11 +5.0724e-11 20200401.0000
20200501.0000

GRCOF2 1 0 -2.750788278e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200501.0000
20200601.0000

GRCOF2 1 1 +9.659507889e-12 +1.995942834e-11 +4.5296e-11 +5.0724e-11 20200501.0000
20200601.0000

GRCOF2 1 0 -5.686205396e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200601.0000
20200701.0000

GRCOF2 1 1 -1.193326206e-10 -1.012746915e-11 +4.5296e-11 +5.0724e-11 20200601.0000
20200701.0000

GRCOF2 1 0 -7.796033937e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200701.0000
20200801.0000

GRCOF2 1 1 -1.695767810e-10 +5.023467591e-11 +4.5296e-11 +5.0724e-11 20200701.0000
20200801.0000

GRCOF2 1 0 -8.722904688e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200801.0000
20200901.0000

GRCOF2 1 1 -1.828196886e-10 +1.944275764e-10 +4.5296e-11 +5.0724e-11 20200801.0000
20200901.0000

GRCOF2 1 0 -8.041592162e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20200901.0000
20201001.0000

GRCOF2 1 1 -1.541489518e-10 +3.582829896e-10 +4.5296e-11 +5.0724e-11 20200901.0000
20201001.0000

GRCOF2 1 0 -7.760752100e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20201001.0000
20201101.0000

GRCOF2 1 1 -2.529727728e-10 +4.135471324e-10 +4.5296e-11 +5.0724e-11 20201001.0000
20201101.0000

GRCOF2 1 0 -7.293138632e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20201101.0000
20201201.0000

GRCOF2 1 1 -2.628737297e-10 +3.692871152e-10 +4.5296e-11 +5.0724e-11 20201101.0000
20201201.0000

GRCOF2 1 0 -6.415577487e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20201201.0000
20210101.0000

GRCOF2 1 1 -1.972538508e-10 +2.732037603e-10 +4.5296e-11 +5.0724e-11 20201201.0000
20210101.0000

GRCOF2 1 0 -5.090639007e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210101.0000
20210201.0000

GRCOF2 1 1 -1.008745721e-10 +1.643307715e-10 +4.5296e-11 +5.0724e-11 20210101.0000
20210201.0000

GRCOF2 1 0 -5.046053952e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210201.0000
20210301.0000

GRCOF2 1 1 -2.128081605e-11 +1.670414519e-10 +4.5296e-11 +5.0724e-11 20210201.0000
20210301.0000

GRCOF2 1 0 -4.078312724e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210301.0000
20210401.0000

GRCOF2 1 1 +5.018239985e-11 +9.991099578e-11 +4.5296e-11 +5.0724e-11 20210301.0000
20210401.0000

GRCOF2 1 0 -4.295777356e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210401.0000
20210501.0000

GRCOF2 1 1 +8.125931824e-12 +7.450813581e-11 +4.5296e-11 +5.0724e-11 20210401.0000
20210501.0000

GRCOF2 1 0 -5.089086942e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210501.0000
20210601.0000

GRCOF2 1 1 -7.469210169e-12 +2.855554157e-11 +4.5296e-11 +5.0724e-11 20210501.0000
20210601.0000

GRCOF2 1 0 -6.726764145e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210601.0000
20210701.0000

GRCOF2 1 1 -1.051274090e-10 -3.709042102e-11 +4.5296e-11 +5.0724e-11 20210601.0000
20210701.0000

GRCOF2 1 0 -7.716983837e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210701.0000
20210801.0000

GRCOF2 1 1 -1.358044231e-10 +7.763375311e-11 +4.5296e-11 +5.0724e-11 20210701.0000
20210801.0000

GRCOF2 1 0 -8.891636133e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210801.0000
20210901.0000

GRCOF2 1 1 -2.330806174e-10 +3.014886509e-10 +4.5296e-11 +5.0724e-11 20210801.0000
20210901.0000

GRCOF2 1 0 -8.685370946e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20210901.0000
20211001.0000

GRCOF2 1 1 -2.036569153e-10 +3.476664263e-10 +4.5296e-11 +5.0724e-11 20210901.0000
20211001.0000

GRCOF2 1 0 -9.652719682e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20211001.0000
20211101.0000

GRCOF2 1 1 -3.483442586e-10 +4.057264499e-10 +4.5296e-11 +5.0724e-11 20211001.0000
20211101.0000

GRCOF2 1 0 -8.104046726e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20211101.0000
20211201.0000

GRCOF2 1 1 -3.176028325e-10 +3.098493239e-10 +4.5296e-11 +5.0724e-11 20211101.0000
20211201.0000

GRCOF2 1 0 -7.826743152e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20211201.0000
20220101.0000

GRCOF2 1 1 -2.468631853e-10 +1.932782978e-10 +4.5296e-11 +5.0724e-11 20211201.0000
20220101.0000

GRCOF2 1 0 -5.754508715e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220101.0000
20220201.0000

GRCOF2 1 1 -1.163902192e-10 +1.675806433e-10 +4.5296e-11 +5.0724e-11 20220101.0000
20220201.0000

GRCOF2 1 0 -5.466058427e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220201.0000
20220301.0000

GRCOF2 1 1 -1.479335177e-10 +1.674430028e-10 +4.5296e-11 +5.0724e-11 20220201.0000
20220301.0000

GRCOF2 1 0 -4.590789734e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220301.0000
20220401.0000

GRCOF2 1 1 -4.209631061e-11 +6.057789577e-11 +4.5296e-11 +5.0724e-11 20220301.0000
20220401.0000

GRCOF2 1 0 -5.445415793e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220401.0000
20220501.0000

GRCOF2 1 1 +3.578165409e-11 -5.508306766e-11 +4.5296e-11 +5.0724e-11 20220401.0000
20220501.0000

GRCOF2 1 0 -6.538320385e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220501.0000
20220601.0000

GRCOF2 1 1 -2.795369663e-11 -1.134286590e-10 +4.5296e-11 +5.0724e-11 20220501.0000
20220601.0000

GRCOF2 1 0 -8.195305923e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220601.0000
20220701.0000

GRCOF2 1 1 -1.130190958e-10 -2.896825254e-11 +4.5296e-11 +5.0724e-11 20220601.0000
20220701.0000

GRCOF2 1 0 -9.772811856e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220701.0000
20220801.0000

GRCOF2 1 1 -1.855013239e-10 +1.286847683e-10 +4.5296e-11 +5.0724e-11 20220701.0000
20220801.0000

GRCOF2 1 0 -9.842512706e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220801.0000
20220901.0000

GRCOF2 1 1 -2.376416481e-10 +2.638089460e-10 +4.5296e-11 +5.0724e-11 20220801.0000
20220901.0000

GRCOF2 1 0 -1.109287264e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20220901.0000
20221001.0000

GRCOF2 1 1 -1.912302271e-10 +3.047121814e-10 +4.5296e-11 +5.0724e-11 20220901.0000
20221001.0000

GRCOF2 1 0 -1.091420348e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20221001.0000
20221101.0000

GRCOF2 1 1 -3.463585335e-10 +3.267394222e-10 +4.5296e-11 +5.0724e-11 20221001.0000
20221101.0000

GRCOF2 1 0 -9.688737032e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20221101.0000
20221201.0000

GRCOF2 1 1 -2.667327323e-10 +4.422908202e-10 +4.5296e-11 +5.0724e-11 20221101.0000
20221201.0000

GRCOF2 1 0 -8.690446986e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20221201.0000
20230101.0000

GRCOF2 1 1 -2.439965426e-10 +3.334773724e-10 +4.5296e-11 +5.0724e-11 20221201.0000
20230101.0000

GRCOF2 1 0 -6.776382990e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230101.0000
20230201.0000

GRCOF2 1 1 -1.222544524e-10 +2.802861862e-10 +4.5296e-11 +5.0724e-11 20230101.0000
20230201.0000

GRCOF2 1 0 -5.940426593e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230201.0000
20230301.0000

GRCOF2 1 1 -8.147818579e-11 +2.660091762e-10 +4.5296e-11 +5.0724e-11 20230201.0000
20230301.0000

GRCOF2 1 0 -6.653488826e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230301.0000
20230401.0000

GRCOF2 1 1 -9.892428333e-12 +5.831914567e-11 +4.5296e-11 +5.0724e-11 20230301.0000
20230401.0000

GRCOF2 1 0 -6.735901052e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230401.0000
20230501.0000

GRCOF2 1 1 +4.435199599e-11 +4.834997254e-11 +4.5296e-11 +5.0724e-11 20230401.0000
20230501.0000

GRCOF2 1 0 -6.138820364e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230501.0000
20230601.0000

GRCOF2 1 1 -1.296100967e-11 +9.760140174e-11 +4.5296e-11 +5.0724e-11 20230501.0000
20230601.0000

GRCOF2 1 0 -8.439202875e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230601.0000
20230701.0000

GRCOF2 1 1 -1.059292974e-10 +1.037326521e-10 +4.5296e-11 +5.0724e-11 20230601.0000
20230701.0000

GRCOF2 1 0 -1.008125050e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230701.0000
20230801.0000

GRCOF2 1 1 -1.920315230e-10 +2.457574674e-10 +4.5296e-11 +5.0724e-11 20230701.0000
20230801.0000

GRCOF2 1 0 -1.124747618e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230801.0000
20230901.0000

GRCOF2 1 1 -1.713911082e-10 +3.792385914e-10 +4.5296e-11 +5.0724e-11 20230801.0000
20230901.0000

GRCOF2 1 0 -1.259282350e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20230901.0000
20231001.0000

GRCOF2 1 1 -2.686930738e-10 +3.438933736e-10 +4.5296e-11 +5.0724e-11 20230901.0000
20231001.0000

GRCOF2 1 0 -1.248678694e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20231001.0000
20231101.0000

GRCOF2 1 1 -3.086875232e-10 +4.039462724e-10 +4.5296e-11 +5.0724e-11 20231001.0000
20231101.0000

GRCOF2 1 0 -1.064466310e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20231101.0000
20231201.0000

GRCOF2 1 1 -2.413965264e-10 +5.438670526e-10 +4.5296e-11 +5.0724e-11 20231101.0000
20231201.0000

GRCOF2 1 0 -8.883089806e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20231201.0000
20240101.0000

GRCOF2 1 1 -2.006143020e-10 +4.660262002e-10 +4.5296e-11 +5.0724e-11 20231201.0000
20240101.0000

GRCOF2 1 0 -8.144942350e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240101.0000
20240201.0000

GRCOF2 1 1 -1.626921065e-10 +3.378859699e-10 +4.5296e-11 +5.0724e-11 20240101.0000
20240201.0000

GRCOF2 1 0 -6.494274969e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240201.0000
20240301.0000

GRCOF2 1 1 -1.727132716e-10 +3.341500438e-10 +4.5296e-11 +5.0724e-11 20240201.0000
20240301.0000

GRCOF2 1 0 -6.835166346e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240301.0000
20240401.0000

GRCOF2 1 1 -1.221921717e-10 +3.041379752e-10 +4.5296e-11 +5.0724e-11 20240301.0000
20240401.0000

GRCOF2 1 0 -7.904388458e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240401.0000
20240501.0000

GRCOF2 1 1 -1.013100576e-10 +2.649092003e-10 +4.5296e-11 +5.0724e-11 20240401.0000
20240501.0000

GRCOF2 1 0 -6.768328702e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240501.0000
20240601.0000

GRCOF2 1 1 -1.031008298e-10 +2.079990454e-10 +4.5296e-11 +5.0724e-11 20240501.0000
20240601.0000

GRCOF2 1 0 -7.725717101e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240601.0000
20240701.0000

GRCOF2 1 1 -1.479146347e-10 +2.700174408e-10 +4.5296e-11 +5.0724e-11 20240601.0000
20240701.0000

GRCOF2 1 0 -9.512442973e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240701.0000
20240801.0000

GRCOF2 1 1 -1.967185650e-10 +3.376836563e-10 +4.5296e-11 +5.0724e-11 20240701.0000
20240801.0000

GRCOF2 1 0 -1.059720898e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240801.0000
20240901.0000

GRCOF2 1 1 -2.610496895e-10 +4.840636545e-10 +4.5296e-11 +5.0724e-11 20240801.0000
20240901.0000

GRCOF2 1 0 -1.090989739e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20240901.0000
20241001.0000

GRCOF2 1 1 -3.105934673e-10 +5.762451756e-10 +4.5296e-11 +5.0724e-11 20240901.0000
20241001.0000

GRCOF2 1 0 -1.013611892e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20241001.0000
20241101.0000

GRCOF2 1 1 -2.889065879e-10 +7.720403037e-10 +4.5296e-11 +5.0724e-11 20241001.0000
20241101.0000

GRCOF2 1 0 -9.364618525e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20241101.0000
20241201.0000

GRCOF2 1 1 -2.187251983e-10 +5.413818287e-10 +4.5296e-11 +5.0724e-11 20241101.0000
20241201.0000

GRCOF2 1 0 -8.333654950e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20241201.0000
20250101.0000

GRCOF2 1 1 -1.325095198e-10 +4.584141021e-10 +4.5296e-11 +5.0724e-11 20241201.0000
20250101.0000

GRCOF2 1 0 -8.123026024e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250101.0000
20250201.0000

GRCOF2 1 1 -1.866638471e-10 +3.676666722e-10 +4.5296e-11 +5.0724e-11 20250101.0000
20250201.0000

GRCOF2 1 0 -8.128741952e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250201.0000
20250301.0000

GRCOF2 1 1 -1.888812112e-10 +2.517449741e-10 +4.5296e-11 +5.0724e-11 20250201.0000
20250301.0000

GRCOF2 1 0 -7.478817589e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250301.0000
20250401.0000

GRCOF2 1 1 -1.147260721e-10 +2.741855920e-10 +4.5296e-11 +5.0724e-11 20250301.0000
20250401.0000

GRCOF2 1 0 -6.986021456e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250401.0000
20250501.0000

GRCOF2 1 1 -2.403382166e-11 +2.772075643e-10 +4.5296e-11 +5.0724e-11 20250401.0000
20250501.0000

GRCOF2 1 0 -7.079083445e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250501.0000
20250601.0000

GRCOF2 1 1 +2.957927412e-11 +1.791810900e-10 +4.5296e-11 +5.0724e-11 20250501.0000
20250601.0000

GRCOF2 1 0 -9.358326695e-10 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250601.0000
20250701.0000

GRCOF2 1 1 -1.394077614e-10 +1.798935323e-10 +4.5296e-11 +5.0724e-11 20250601.0000
20250701.0000

GRCOF2 1 0 -1.012935968e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250701.0000
20250801.0000

GRCOF2 1 1 -1.357411438e-10 +2.897647234e-10 +4.5296e-11 +5.0724e-11 20250701.0000
20250801.0000

GRCOF2 1 0 -1.184745927e-09 +0.000000000e+00 +4.4585e-11 +0.0000e+00 20250801.0000
20250901.0000

GRCOF2 1 1 -2.269852992e-10 +4.193645352e-10 +4.5296e-11 +5.0724e-11 20250801.0000
20250901.0000