

After this first request, there were 3 requests for Google Earth files for some other longitudes that E. Riedel sent; all of the files are now posted.

Re: request for Grazprep Google Earth files for Mar. 7 El Nath graze [message from E. Riedel answering my first request copied below it] March 4, 2025 7:35 AM

David, Vince Sempronio and Richard Nolthenius,

attached are the KML-files for the 5 requested longitudes. I modified the locations slightly taking into account the terrain and the road situation, also matching the profile for the medium elevation in the specific region. I made 2 plots for the Santa Maria region with one just east of the city at W 120° 24'. When zooming into the GE map you can see the terrain underneath the profile lines. The lines have a spacing of 50 meters (see the offset values in meters and the number of the expected contacts at both sides of the profile). For each plot the projected profile is not just valid where it is shown but can be considered to be the same along the blue lines extending to both sides.

Note that the limit line calculated by Occult for this event is 50 meters southward of the Grazprep line. This can be due to the USBC-coordinates Dave uses differing from the XZ/Hipparcos-position I still use in Grazprep. I did not find time yet to change that. So it might be worthwhile to assume the Grazprep profile to be further south by one line spacing as well.

If you need specific profile plots yet for any other region just let me know.

Regards,

Eberhard

Von: dunham@starpower.net <dunham@starpower.net>

Gesendet: Dienstag, 4. März 2025 10:08

An: Eberhard Riedel <e_riedel@msn.com>

Betreff: request for Grazprep Google Earth files for Mar. 7 El Nath graze

Eberhard,

Attached is an Occult listing of the graze path. After the last column, I've added descriptions of where the path goes. For the 5 ones where I start with ***, could you provide Google Earth files showing the best zones for each area? You've already done Palm Desert, Calif. so there are 4 new ones. Of those, most important are Santa Maria, CA; Hwy AZ85; and Hwy AZ92 s. of Sierra Vista, AZ. Partly cloudy skies are currently forecast; wit such a bright star, it should be seen through thin clouds. Sorry that our move from Maryland last week and illness this week prevented me from sending this earlier.

David