

Vigoride-2 Spacecraft NGSO Antenna Gain Plots

Rev 1

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Revision History

Revision Number	Updates	Page #	Author	Date
1	Initial Release	All	Sam Avery	08/31/20

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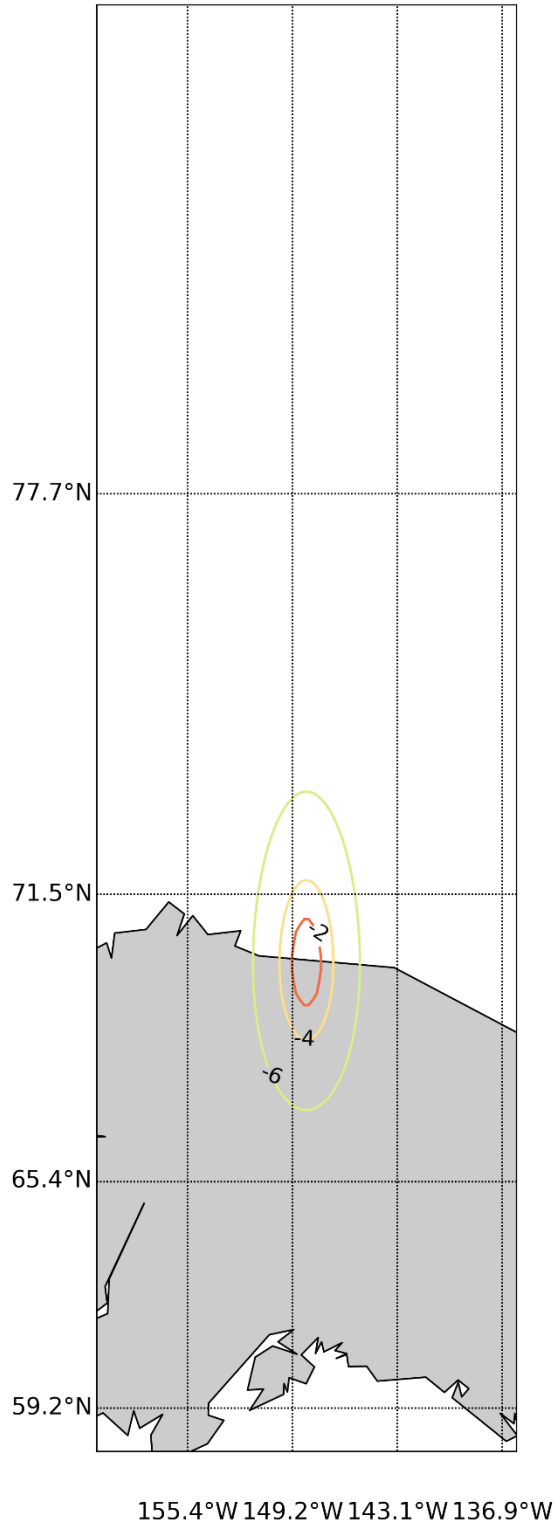
I. Introduction

All contour plots show a map of the Earth out to the horizon for each ground station and satellite antenna pair. The plot labels indicate antenna gain contours in 2 dB steps down to 10 dB below the peak gain. For instance, a contour label of “-2” indicates 2 dB below the maximum gain for that antenna.

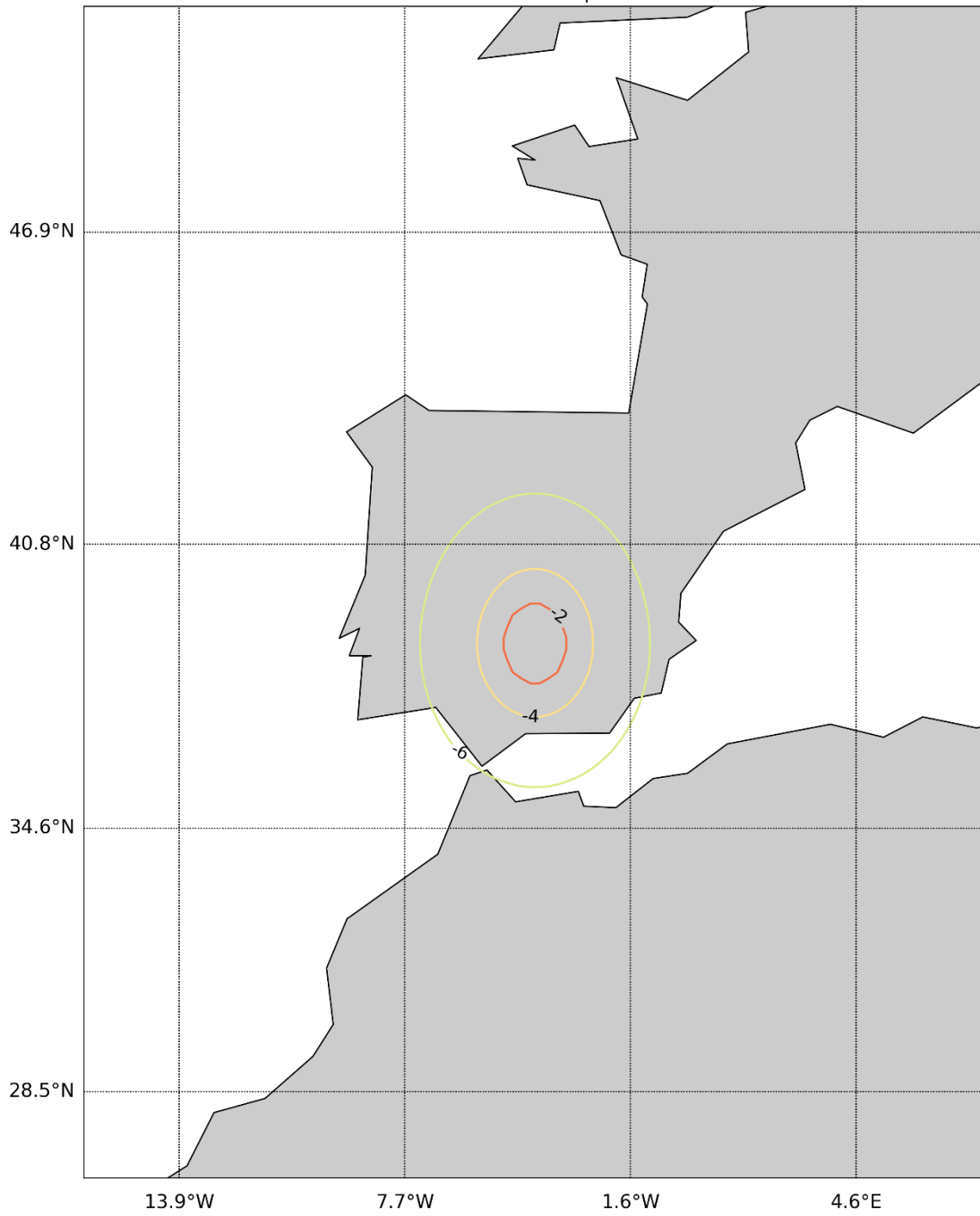
Note that for some gain contour plots, lower gain (greater than 6 dB below the peak) is beyond the horizon and is not shown in the plots.

II. Downlink Gain Contour Plots

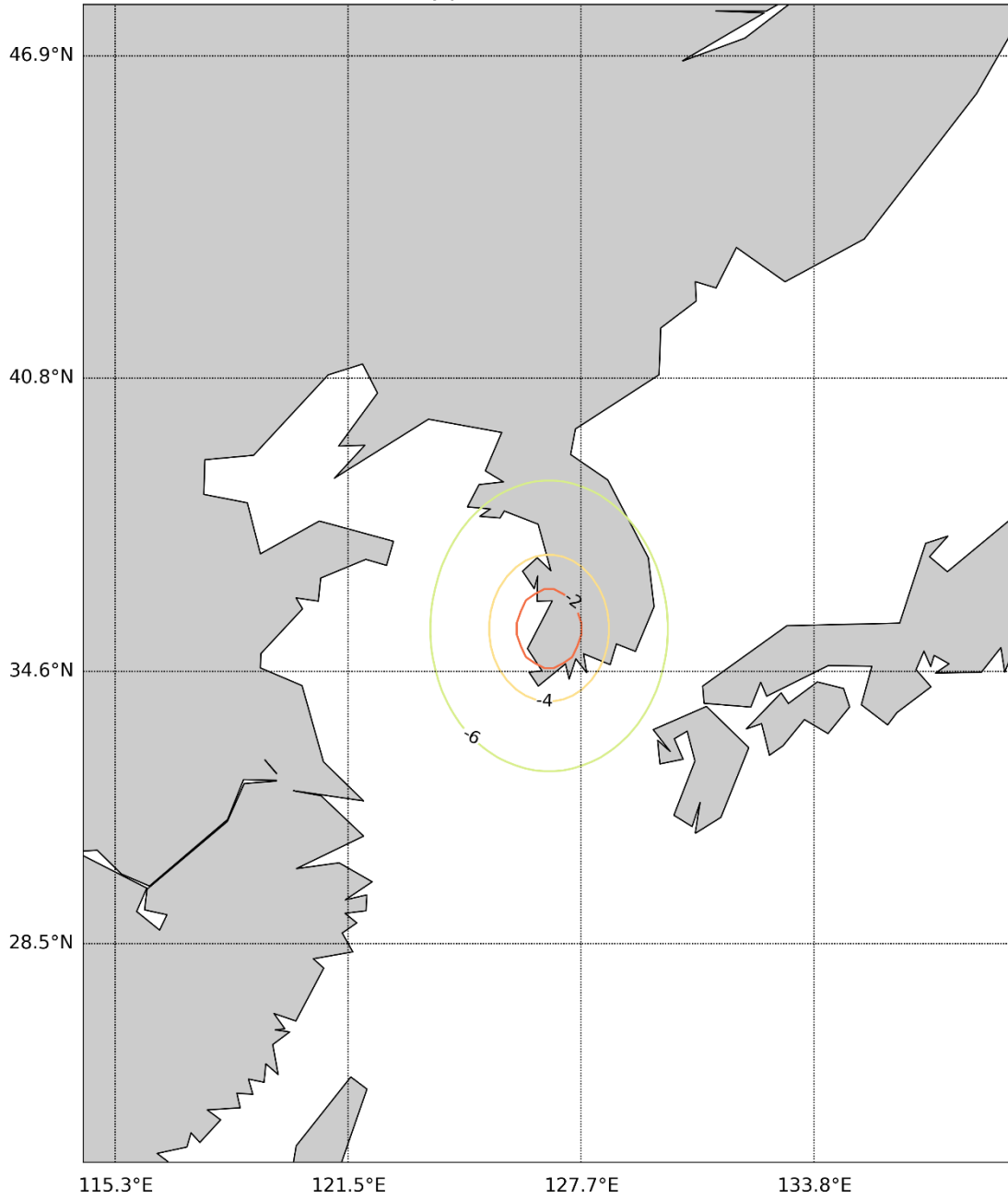
X-Band TX Patch Antenna Beam Contours
Deadhorse - Alaska



X-Band TX Patch Antenna Beam Contours
Puertollano - Spain

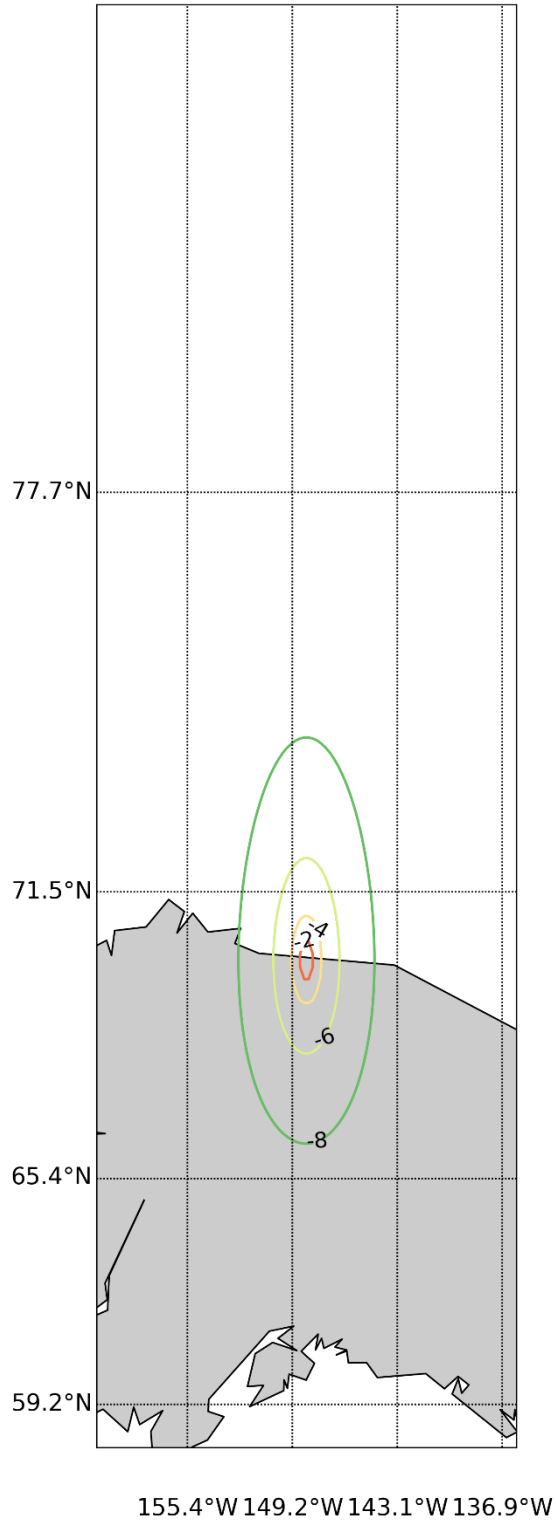


X-Band TX Patch Antenna Beam Contours
Jeju Island - South Korea

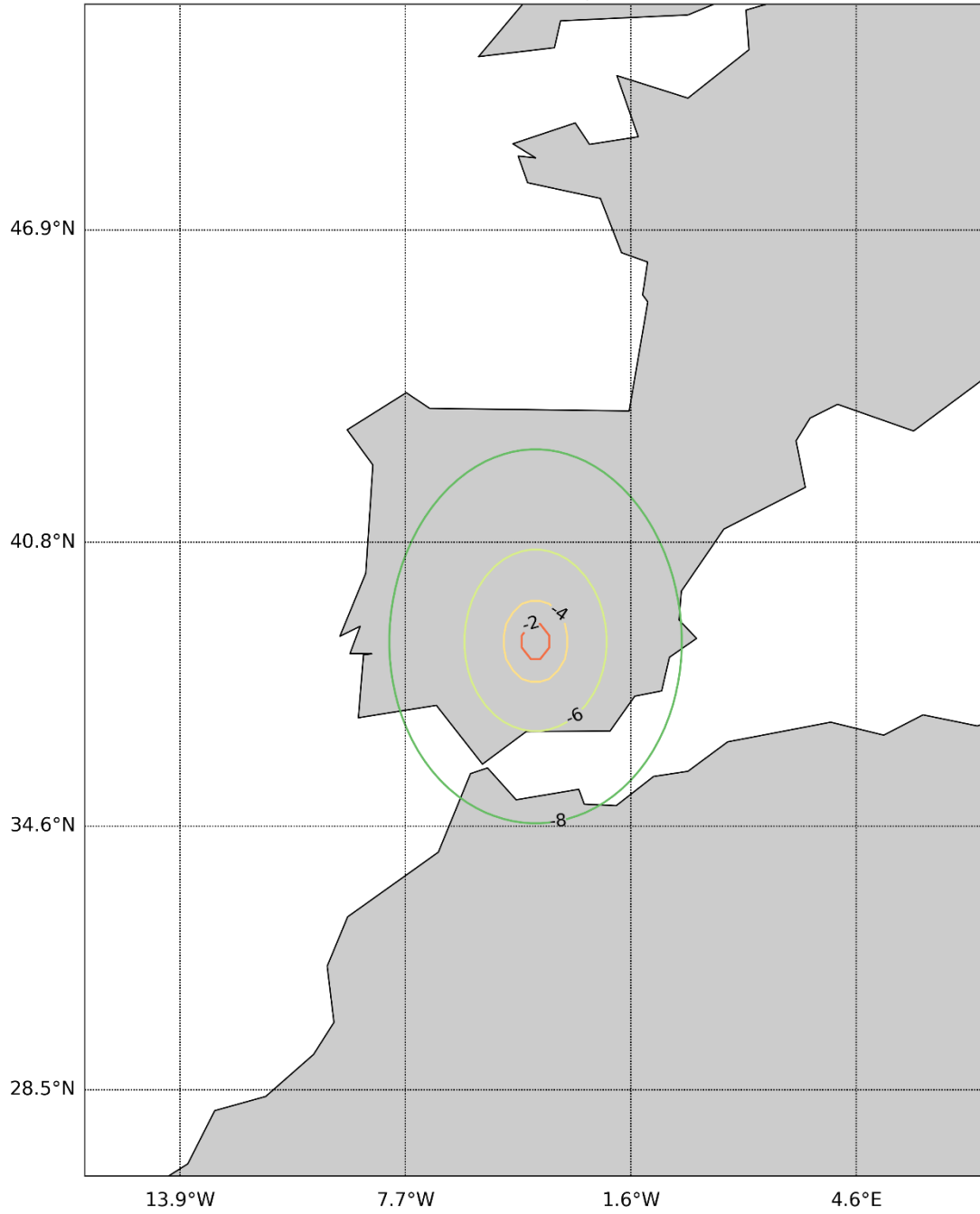


III. Uplink Gain Contour Plots

S-Band RX Patch Antenna Beam Contours
Deadhorse - Alaska



S-Band RX Patch Antenna Beam Contours
Puertollano - Spain



S-Band RX Patch Antenna Beam Contours
Jeju Island - South Korea

