

General:

The article coherently presents the history of DORIS ground stations with an emphasis on technical approaches and lessons learned regarding station stability. The information is likely to be useful for geodesists designing and evaluating ground stations of various types, and for those using DORIS data or products. Although the paper is somewhat lengthy, none of the information seems to be superfluous.

Editorial notes

Page 3

How about a general statement at the beginning, along the lines of "DORIS is a system of ground-based transmitting antennas and satellite-borne receivers that yields precise station positions applicable to reference frame determination and other geodetic applications."

"with the DORIS antennas' surveying" (add apostrophe)

page 4

2.1 Site selection criteria ("Sites selection" is awkward)

page 5

"in succeeding" -> "to succeed"

page 6

"Galápagos" (has accent)

How about a reference for "A DOMES number"?

page 8

"19-inch rack"

page 10

"clear sky view required only one tower section"

page 12

"they use" -> "their use"

page 14

"that allows it to be considered less stable"

page 17

"19-inch rack"

"modulated on both channels"

page 20

"The first generation beacons' main source..."

page 21

A word missing right at the top? ("creating spurious 'something' in the signal")... perhaps spurious noise?

page 23

"is notified? -> "is announced"

page 24

"The first approach will be described here in detail. It consists of assessing..."

"none of both antenna types" => "neither antenna type"

page 25

"amount of an antenna movement"

dependant -> dependent

page 26

"consisted in measuring" -> "consisted of measuring"

"(before it was corrected in July 2002)" (missing close parenthesis)

"It doesn't allow detection of movement..."

page 28

"The resulting coordinates' accuracy"

page 30

missing quote marks (") after DORIS-co-locations.pdf

page 34

"Despite evolution" (not evolutions)

Figure 20-22 Is lettering clarity sufficient for final publication?