

DORIS NETWORK 2008 STATUS REPORT

H.Fagard¹

¹*IGN-France, Saint-Mandé, France*

Abstract

Since the start of its deployment almost 20 years ago, the DORIS network has been continuously improving. Even though it had met around 1993 its initial objective of roughly 50 stations, it has been continuing to get denser, and to have more and more co-locations with other space geodesy techniques and tide gauges. The DORIS network major renovation program, started in 2000, is almost complete. Nevertheless, some recently renovated stations have been modified in order to better meet the new, more stringent requirements defined in order to improve the quality of the transmitted signal. The new requirements for the antenna environment are presented, with a few examples of setup improvements. Up-to-date statistics about equipment distribution, maintenance, and host agencies are given. Then we review the current network co-locations, either with space geodesy techniques, tide gauges, or internally between successive DORIS occupations. Lastly, plans for future station improvements and network densification are presented.