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1. J. C. Gérard, V. Dols. *The warm Cretaceous: role of the long-term carbon cycle*. Geophys. Res. Lett., 17, 1561-1564, 1990.
2. J. C. Gérard, V. Dols. *Observation ultraviolette des planètes géantes et de leurs satellites à l'aide du Télescope Spatial Hubble*. Nouvelles de la Science et de la Technologie, 8, 43-46, 1990.
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5. V. Dols, J.C. Gérard, F. Paresce, R. Prangé, A. Vidal-Madjar. *Ultraviolet imaging of the Jovian aurora with the Hubble Space Telescope*. Geophys. Res. Lett., 19, 1803-1806, 1992.
6. J.C. Gérard, V. Dols, F. Paresce, R. Prangé. *Morphology and time variation of the Jovian far U.V. aurora*. J. Geophys. Res (Planets), 98, 18793-18801, 1993.
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9. J.C. Gérard, V. Dols, D. Grodent. *Simultaneous observations of the Saturnian aurora and polar haze with the HST-FOC*. Geophys. Res. Lett., 22, 2685-2688, 1995.
10. D. Grodent, V. Dols, J.C. Gérard. *Characterization and numerical simulation of the Jovian aurora observed with the HST cameras*. Proceedings of "Science with the Hubble Space Telescope 2" edited by P. Benvenuti, F.D. Machetto, E.J. Schreier, 553-557, 1995.
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12. D. Grodent, R. Gladstone, J.C. Gérard, V. Dols, J.H. Waite. *Simulation of the morphology of the Jovian UV north aurora observed with the Hubble Space Telescope*. Icarus, 128, 306-321, 1997.
13. J.C. Gérard, D. Grodent, V. Dols, J.H. Waite. *The longitudinal variation of the color ratio of the Jovian ultraviolet aurora: a geometric effect*. Geophys. Res. Lett., 25, 1601-1604, 1998.
14. L.M. Trafton, V. Dols, J.C. Gérard, J.H. Waite, G.R. Gladstone, G. Munhoven. *HST spectra of the Jovian ultraviolet aurora: search for heavy ion precipitation*. Astrophys. J., 507, 955-967, 1998.

15. V. Dols, J.C. Gerard, J.T. Clarke, J. Gustin, D. Grodent. *Diagnostics of the Jovian aurora deduced from ultraviolet spectroscopy : model and HST/GHRS observations*. *Icarus*, 147, 251-266, 2000.
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2. V. Dols, J.C. Gérard, P. Sartoretti, H.M. Adorf, F. Paresce. *High resolution near UV observation of Jupiter satellite Io with the Hubble Space Telescope* (oral). XVII General Assembly of the European Geophysical Society (EGS), Edimbourg, 1992.
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25. D. Grodent, J.C. Gérard, V. Dols. *HST observations of high altitude UV regions on Jupiter and Saturn* (oral). Meeting of the Space Astronomy in Belgium, Brussels, 1998.
26. J.C. Gérard, V. Dols, J. Gustin, J.T. Clarke. *HST/GHRS ultraviolet spectroscopy and model diagnostics of the Jovian aurora* (oral). Division for Planetary Sciences Meeting (DPS), Padova, 1999.
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29. V. Dols and A. Otto. *Io and Jupiter interaction: properties of the Alfvén wave propagation in Io's plasma torus* (poster). American Geophysical Union (AGU) Fall Meeting, San Francisco, 2000.
30. V. Dols. *The interaction of Io and the Jovian magnetic field: Io's Alfvén wing and particle acceleration*. Public defense of the Mater's degree thesis, Fairbanks, 2001.

CO-INVESTIGATOR IN PLANETARY OBSERVATION PROGRAMS

- 1998 HST/General Observer (GO): *Mapping of the H₂ emission and color ratio of the Jovian aurora*. Principal investigator: J.C. Gérard, University of Liège, Belgium.
- 1996 HST/GO: *Observation of short timescale variability of the Jovian aurora*. Principal investigator: J.C. Gérard, University of Liège, Belgium.
- 1996 HST/GO: *The link between the UV Saturnian aurora and the polar stratospheric haze*. Principal investigator: J.C. Gérard, University of Liège, Belgium.
- 1994 HST/GO: *High resolution imaging of Saturn's aurora*. Principal investigator: J.C. Gérard, University of Liège, Belgium.
- 1994 HST/GO: *Spectro-imaging of the Jovian aurora*. Principal investigator : R. Prangé, Institut d'Astrophysique de Paris, France.
- 1994 16th Year IUE Guest Observer: *Spectroscopic study of Jovian auroral phenomena discovered by HST/FOC*. Principal investigator: W. Harris.
- 1993 HST/GO: *Multi-spectral multi-timescale observations of the Jovian aurora*. Principal investigator: J.C. Gérard, University of Liège, Belgium.

DATA ANALYSIS IN OTHER OBSERVATION PROGRAMS

- 1996 HST/GO: *Far-UV imaging and spectroscopy of Jupiter coordinated with Galileo*. Principal investigator : J.T. Clarke, University of Michigan, USA.
- 1995 HST/GO: *Spectroscopic observation of Jupiter's aurora*. Principal investigator: L. Trafton, University of Texas at Austin, USA.
- 1991 HST/Guaranteed Time Observer: *FUV imaging of the giant planets*. Principal investigator: F. Paresce, Space Telescope Science Institute, Baltimore, USA.