

Overview Publications by DMS members

Leonids 1995-2000

1. Betlem, H., ter Kuile, C.R., van 't Leven, J., de Lignie, M., Ramon-Bellot, L., Koop, M., Angelos, C., Wilson, M., Jenniskens, P. (1997) Precisely reduced meteoroid trajectories and orbits from the 1995 Leonid meteor outburst. *Planetary and Space Science* **45**, 853-856.
2. Langbroek, M. (1999) Leonid outburst activity 1996: A broad structure and a first occurrence of a narrow peak of fainter meteors. *Meteoritics & Planetary Science* **34**, 137-145.
3. Betlem, H., Jenniskens, P., van 't Leven, J., ter Kuile, C., Johannink, C., Zhao, H., Lei, C., Li, G., Zhu, J., Evans, S., Spurný, P. (1999) Very precise orbits of 1998 Leonid meteors. *Meteoritics & Planetary Science* **34**, 979-986.
4. Betlem, H., Jenniskens, P., Spurný, P., van Leeuwen, G., Miskotte, K., ter Kuile, C., Zarubin, P., Angelos, C. (2000) Precise Trajectories and orbits of Meteoroids from the 1999 Leonid Meteor Storm. *Earth, Moon and Planets* **82-83**: 277-284.
5. De Lignie, M., Langbroek, M., Betlem, H., Spurný, P. (2000) Temporal variation in the orbital element distribution of the 1998 Leonid outburst. *Earth, Moon and Planets* **82-83**: 295-304.
6. Jenniskens, P., de Lignie, M., Betlem, H., Borovicka, J., Laux, C.O., Packan, D., Krüger, C.H. (1999) Preparing for the 1998/99 Leonid storms. *Laboratory Astrophysics and Space Research*, 425-455.
7. Spurný, P., Betlem, H., van 't Leven, J., Jenniskens, P. (2000) Atmospheric behavior and extreme beginning heights of the thirteen brightest photographic Leonid meteors from the ground-based expedition to China. *Meteoritics & Planetary Science* **35**, 243-249.
8. Jenniskens, P. (1999) Activity of the 1998 Leonid shower from video records. *Meteoritics & Planetary Science* **34**, 959-968.
9. Jenniskens, P., Butow, S. (1999) The 1998 Leonid multi-instrument aircraft campaign - an early review. *Meteoritics & Planetary Science* **34**, 933-943.
10. Jenniskens, P., Betlem, H., de Lignie, M., Langbroek, M. (1997) The detection of a dust trail in the orbit of an earth-threatening long-period comet. *The Astrophysical Journal* **479**, 441-447.
11. Jenniskens, P., Betlem, H. (2000) Massive remnant of evolved cometary dust trail detected in the orbit of Halley-type comet 55P/Swift-Tuttle. *Astrophysical Journal* **531**, 1161-1167.
12. Spurný, P., Betlem, H., Jobse, K., Kotten, P., van 't Leven, J. (2000) New type of radiation of bright Leonid meteors above 130 km. *Meteoritics & Planetary Science* (accepted)
13. De Lignie, M., Betlem, H., Spurný, P. (2000) Mass-dependence in the orbital distribution of the 1998 nodal Leonid outburst. *Earth, Moon and Planets* (accepted).

Other subjects:

14. Betlem, H., ter Kuile, C.R., de Lignie M., van 't Leven, J., Jobse, K., Miskotte, K., Jenniskens, P. (1997) Precision meteor orbits obtained by the Dutch Meteor Society - Photographic meteor Survey (1981-1993). *Astronomy & Astrophysics Supplement Series* **128**, 179-185.
15. Jenniskens, P., Betlem, H., de Lignie, M., ter Kuile, C., van Vliet, M.C.A., van 't Leven, J., Koop, M., Morales, E., Rice, T. (1998) On the unusual activity of the Perseid meteor shower (1989-96) and the dust trail of comet 109P/Swift-Tuttle. *Monthly Notices of the Royal Astronomical Society* **301**, 941-954.