

DMS Leonids Expedition to Spain



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- Expedition setup: why France/Spain?
- Observing Groups and locations
- Weather
- Results: Visual
- Results: Photo
- Results: Video
- Results: Radio

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Expedition setup: why France/Spain?

- Astronomical: Radiant elevation / Twilight
- Logistics: EU (freedom of movement)
- Weather: Provence / Lanquedoc / east Spain

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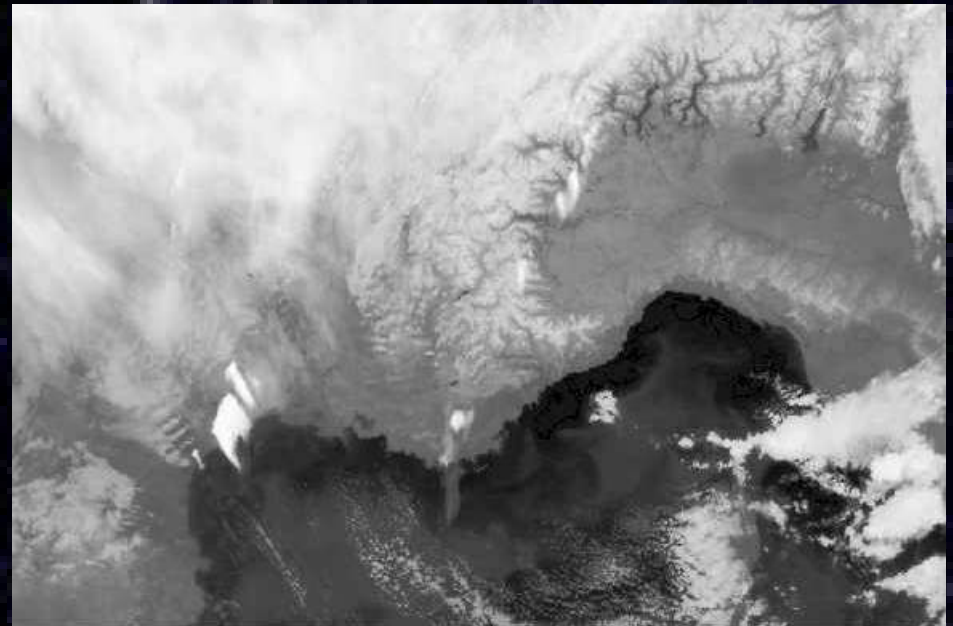
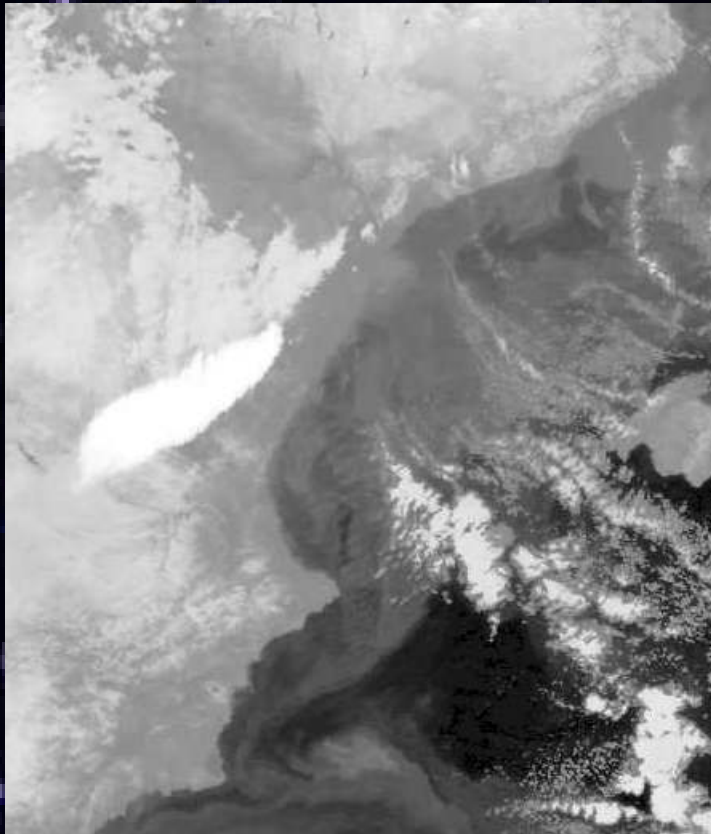
Observing Groups and Locations

- Team Xaló
- Team Dos Aguas
- Team Casa Nueva
- Team Punto Alto
- Team Almodôvar

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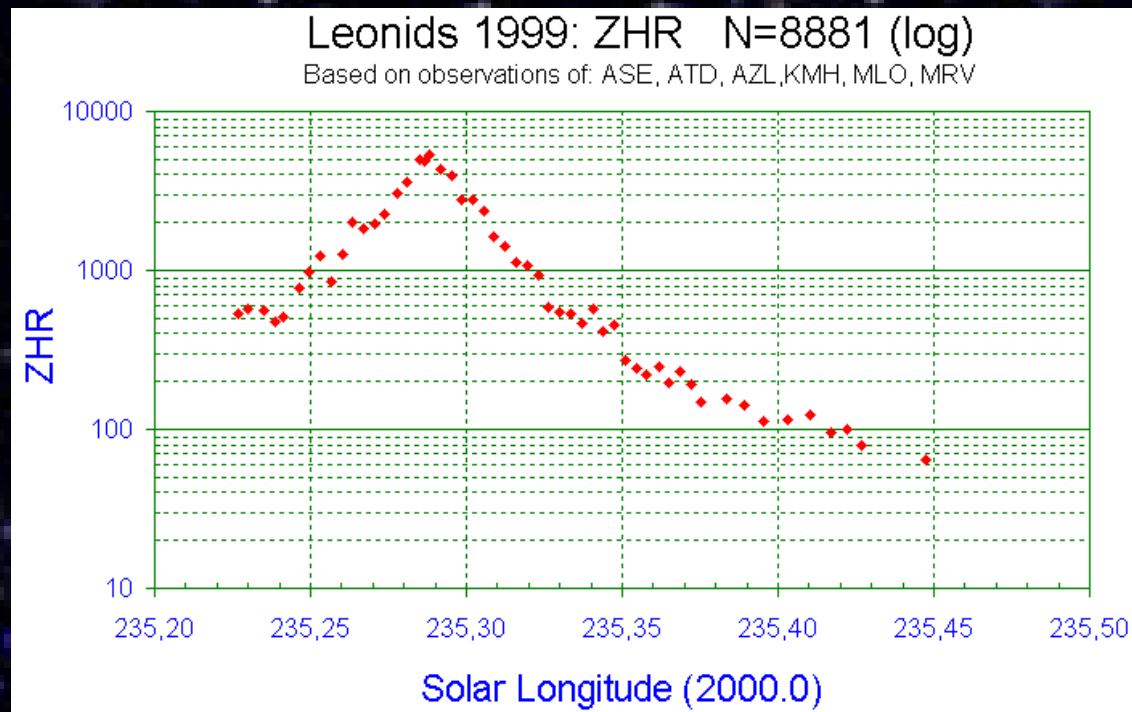
Saturday 26 february 2000

ESA / WGM Meteorday 2000

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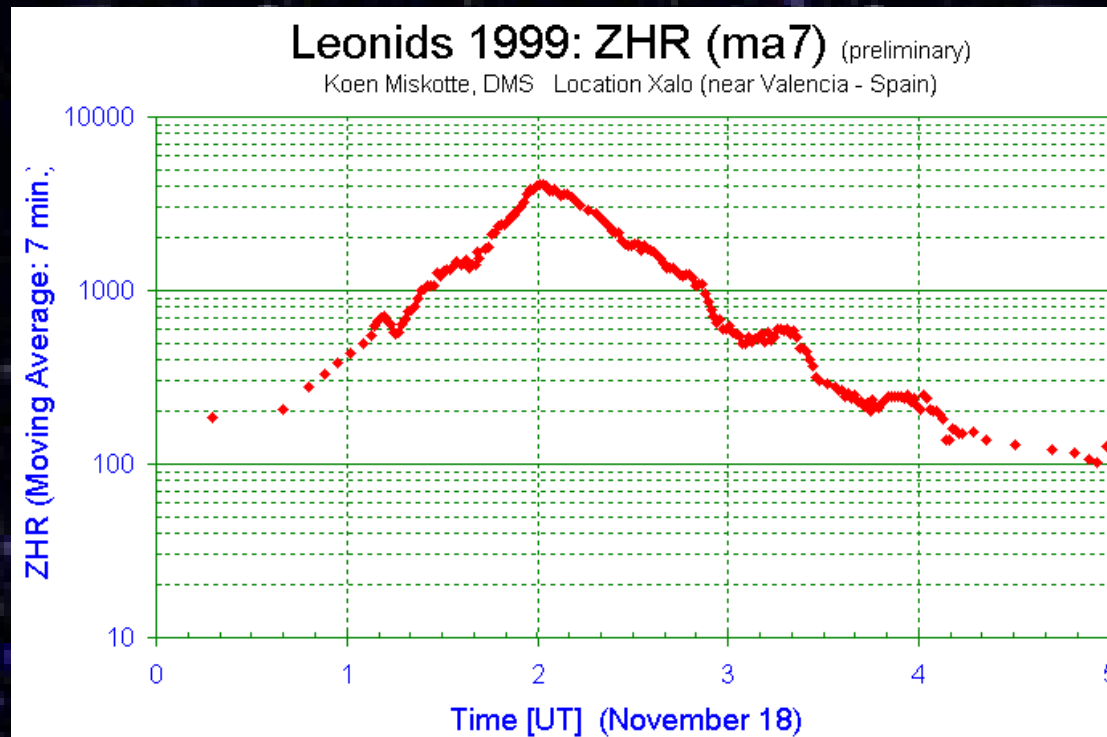
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Results: Visual (1)



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Results: Visual (2)



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Results Photography (1) : Equipment

Photography at station Xaló - Spain	
Camera & Sector	Film & Developing
Camera: Canon T-70	Film: Kodak Tri-X Pan 400
Lens: Canon FD 1.8/50 mm	Developer: Kodak HC-110
Aperture stop: 2.8	Developing temperature: 24° C
Sector: 6 blades / 30°	Stopbath: Amaloco S 10
Rotational speed: 12.5 rpm (75 breaks/second)	Fixing: Amaloco X 88

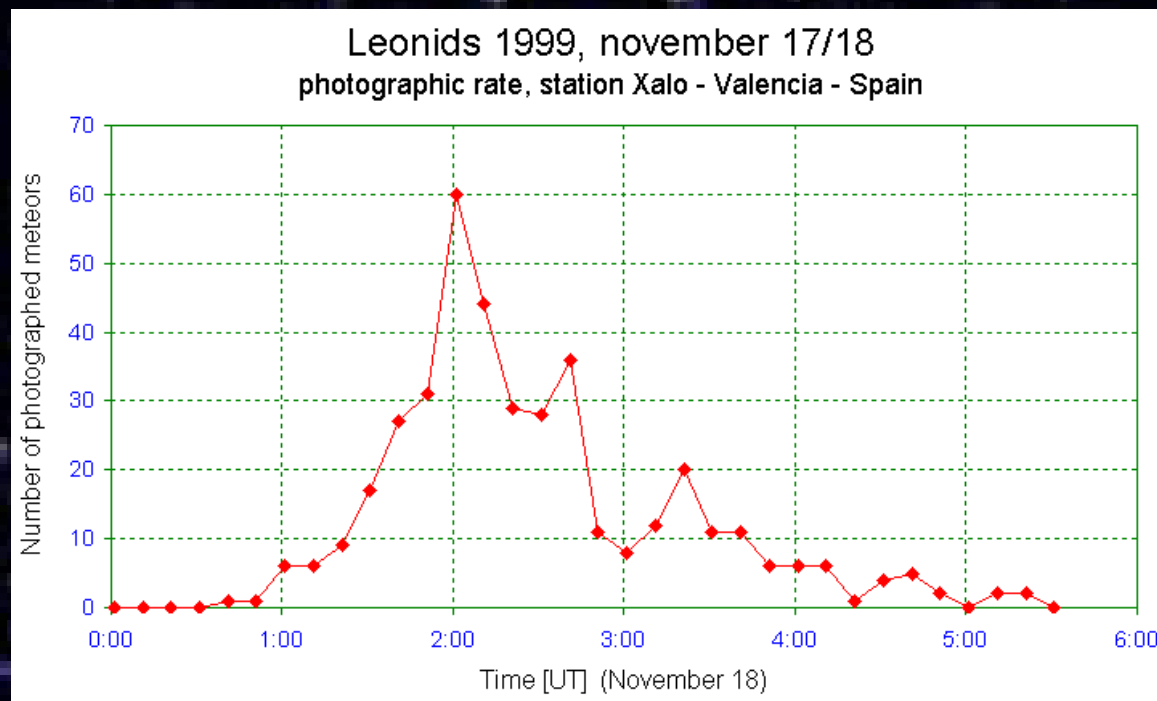
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Results Photography (2) : Exposures

Photography at station Xaló - Spain							
Exposuretime 50 mm camera's: 9m58s ; 85 mm camera's: 7m58s							
Exposuredata on November 17/18, 1999 (all times in UT)							
Camera array	Elevation	No. of Cam.	No. of Exp.	No. of Neg.	Start [hh:mm]	Stop [hh:mm]	Total exp. time [hh:mm]
High	75°	4	35	140	23:46:00	05:36:00	5h50m
Middel	50°	7	35	245	23:46:00	05:36:00	5h50m
Low	25°	9	35	315	23:47:00	05:37:00	5h50m
85 mm	55°	6	36	216	00:07:00	04:55:00	4h48m

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Results Photography (3) : HR



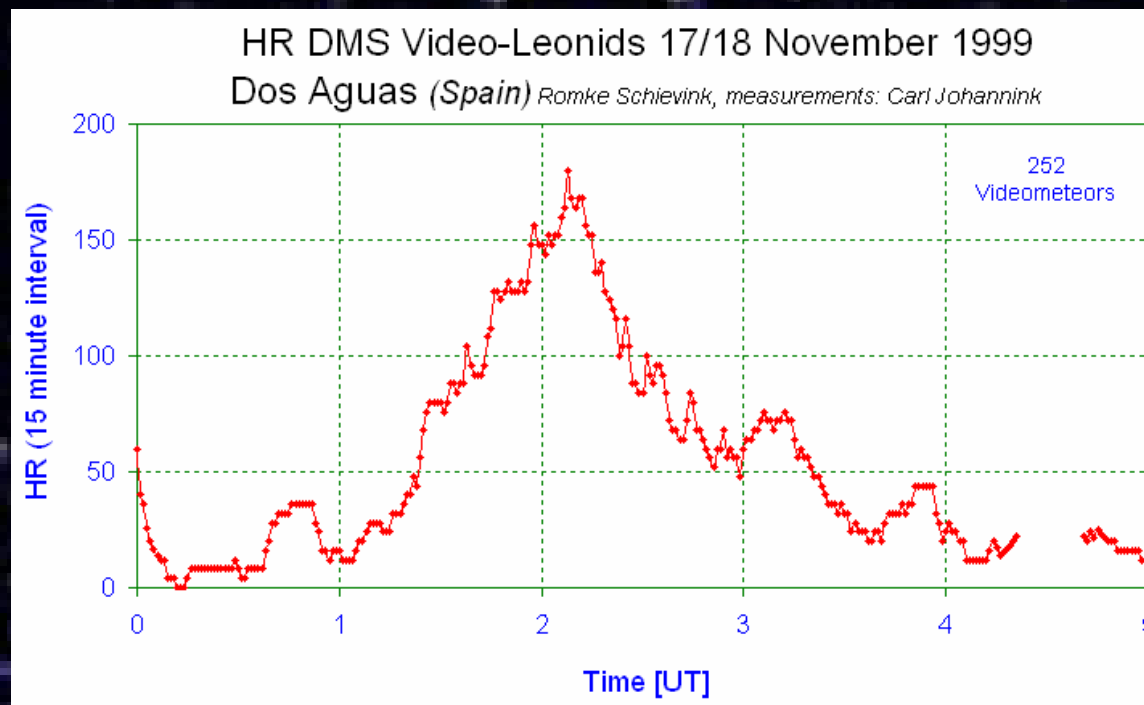
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Results Photography (4)



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Results: Video (1)



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Results: Video (2)



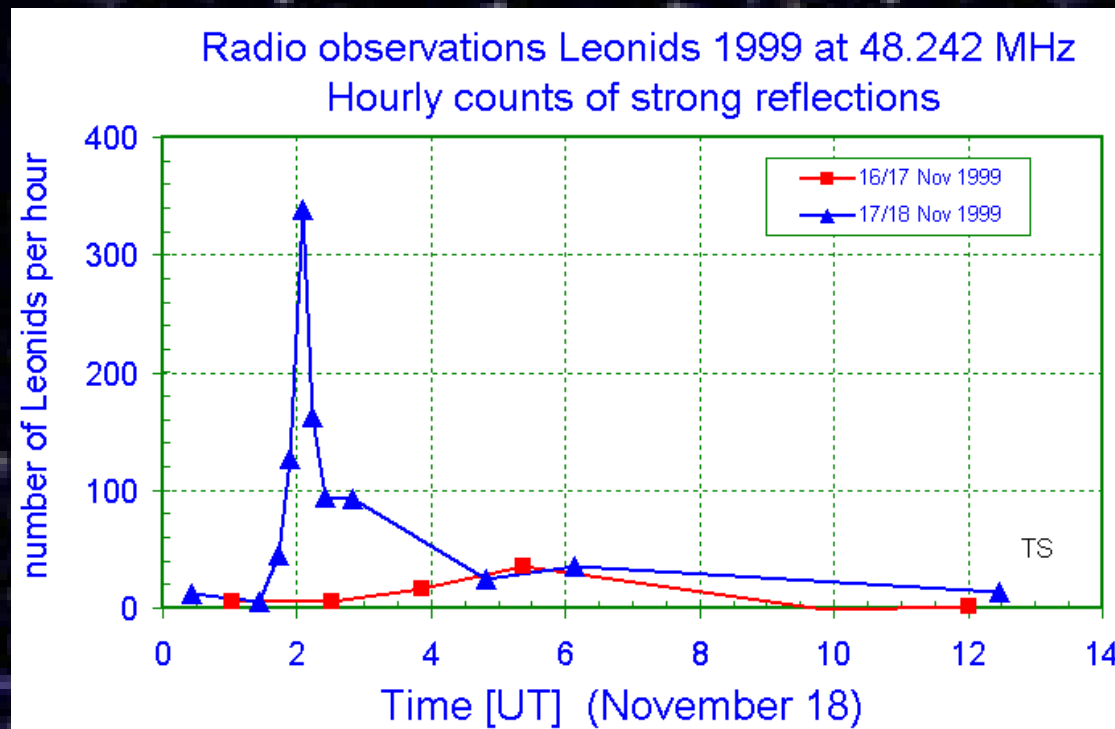
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Results: Video (3) - mpeg



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Results: Radio (Ton Schoenmaker, La Palma)



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More results: <http://www.dmsweb.org>