



Les Prairies DOr, 5

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 56 pages. Original publisher: Golden, Colo. : National Renewable Energy Laboratory, 2006 OCLC Number: (OCoLC)191734869 Subject: Optical radar -- Research. Excerpt: . . . Figure 4. Polar plot of line-of-sight velocity component in m s versus azimuth scan angle. White squares: 75 measurements obtained over 3 seconds. Continuous curve: best-fit solution. Bold line from origin: upwind bearing. The excellent fit indicates uniform flow across the scanned area. Note also a slight asymmetry in the lobe sizes, indicating a small vertical component to the wind velocity. By adjusting the focus, wind measurements can be made at all heights from 5 m to 150 m above ground level. Lidar Cup 100 m, 21 August 2004 20 15 Lidar 10 5 y 1. 0038x 0. 0793 R2 0. 9883 0 10 15 20 0 5 Cup Figure 5. Regression plot of 10-minute averaged wind speed 100 m above ground in m s, measured by lidar and calibrated cup anemometer. The lidar was situated 120 m from the base of the mast. The measurements were obtained over a 24-hour period when there was little risk of shadowing of the cup (by...



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