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Titolo	Racing the Moon's Shadow with Concorde 001 [[electronic resource] /] / by Pierre Léna
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ISBN	3-319-21729-1
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Descrizione fisica	1 online resource (113 p.)
Collana	Astronomers' Universe, , 1614-659X
Disciplina	523.7809047
Soggetti	Astronomy Observations, Astronomical Astronomy—Observations Aerospace engineering Astronautics Popular Science in Astronomy Astronomy, Observations and Techniques Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Of eclipses and mankind -- Concorde, a dream taking off -- Clear obscurity -- Towards the longest eclipse in history -- Nothing to worry, it's just an eclipse -- What a harvest of science in just 74 minutes -- The route of solar eclipses -- Epilogue -- Appendices.
Sommario/riassunto	This is the unique story of observing a total solar exlipse for no less than 74 consecutive minutes. On the summer morning of June 30, 1973, the Sun rises on the Canary Islands. But it is strangely indented by the Moon. The eclipse of the century has just begun. From the west, the lunar shadow rushes to the African coast at a velocity of over 2000 kilometers per hour. Astronomers on the ground will enjoy seven short minutes of total eclipse to study the solar corona - too short for Pierre Lena and seven scientists who board the Concorde 001 prototype, an extraordinary plane to become the first commercial supersonic aircraft. With André Turcat as chief pilot and a crew of five, at 17000 m altitude, the aircraft remains in the lunar shadow for 74 minutes, a record time

of scientific observations not yet beaten and allowing for exceptional measurements. Science, technology, aviation and history combine in the story of a unique human adventure aboard a legendary aircraft, illustrated with a rich and original iconography. It reflects the wonderful domains that science and technology can open, and the passion in the professions they offer. A must read for every eclipse chaser and fan of true scientific adventures.

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