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Titolo	Severe weather flying : increase your knowledge and skill in avoidance of thunderstorms, icing and severe weather / / Dennis Newton
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ISBN	1-61954-417-2 1-61954-415-6
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (xiii, 209 pages) : illustrations, maps
Disciplina	629.1324
Soggetti	Meteorology in aeronautics Airplanes - Piloting Thunderstorms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The four fundamentals -- The ups and downs of air -- Stability -- Air-mass thunderstorms -- In this corner, Mama Bear -- Will the real Papa Bear please stand up? -- The downburst -- Lightning -- Thunderstorm weather briefing -- Nocturnal thunderstorms -- Thunderstorm detection equipment -- Hows and whys of icing -- The FAA aircraft icing plan -- Icing weather briefing -- In-flight icing strategies -- Ice protection equipment -- Icing certification -- Supercooled large drop (SLD) icing -- High altitude ice crystals -- Nonconvective turbulence and wind shear.
Sommario/riassunto	"At the outset, Dennis Newton reminds readers that Severe Weather Flying is not about flying in severe weather, but about how to detect and therefore avoid it, with advice on how to escape it if you become caught in it accidentally. The author is a meteorologist, weather research pilot, ATP, and flight instructor and more. He speaks pilot to pilot in this valuable guide on how not to fly in severe weather. He believes that given the knowledge, pilots can truly lessen their chances of being caught in thunderstorms and other extreme weather conditions. This book was written with that goal in mind: to impart enough meteorological information in a way pilots can best grasp and use it. Newton believes that, "Pilots as a group are more than

conservative enough to keep themselves safe if they are only given the facts." Meteorology can be a tough "language" and not always clear to the lay person. Newton translates and brings across the most crucial principles pilots can use to fly more wisely in weather. Covering weather fundamentals, the atmosphere, and the stability of the air, he then digs deeper into the individual aspects of severe weather situations. In print for more than 30 years, this Fourth Edition blends in good coverage of detection equipment for the cockpit, and the weather briefing information available to the pilot for decision-making in flight planning, and even the enroute phase. Details on aircraft icing certification, critical aircraft icing information, and high altitude ice crystals is included. Valuable for seasoned veterans as for relative newcomers, applicable to VFR, IFR, piston, turbine, low- and high-altitude operations"--Provided by publisher.
