

1. Record Nr.	UNINA9910689827103321
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Titolo	Pioneer odyssey // Richard O. Fimmel, Pioneer Project, Ames Research Center, William Swindell, Optical Sciences Laboratory, University of Arizona, Eric Burgess, Science writer ; prepared at Ames Research Center
Pubbl/distr/stampa	Washington, D.C. : , : Scientific and Technical Information Office, National Aeronautics and Space Administration, , 1977
Edizione	[Revised Edition]
Descrizione fisica	1 online resource : illustrations (chiefly color), maps
Collana	NASA SP ; ; 396
Disciplina	523.4/5
Soggetti	Pioneer (Space probes) Jupiter (Planet) Exploration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Updated: August 6, 2004." "SP-349/396"
Nota di bibliografia	Includes bibliographical references (pages 209-212) and index.
Nota di contenuto	1. Jupiter, Giant of the Solar System -- 2. The Pioneer Jupiter Mission -- 3. The Pioneer Jupiter Spacecraft -- 4. Pioneer Science at New Frontiers -- 5. First Into the Outer Solar System -- 6. Results at the New Frontiers -- 7. How Pictures Came from Jupiter -- 8. Encounter with the Giant -- 9. The Giant Revisited -- Epilog. Interstellar Cave Painting -- Appendix 1. The Imaging Photopolarimeter -- Appendix 2. Technical Details of Jupiter Images -- Appendix 3. The Pioneer Jupiter Team -- Appendix 4. The 1974 Pioneer 10 Award Recipients.
Sommario/riassunto	"The success of Pioneer 11 in repeating an encounter with the giant planet Jupiter and producing unique images of the north polar regions of the planet necessitated an updating of [the previous edition] SP-349. Additional material has been added to the descriptive material about the flight of the spacecraft in Chapter 5. The following chapter, describing the results of the two missions, has been completely updated in the light of further interpretations of the Pioneer 10 data coupled with the new data from Pioneer 11. And additional Chapter 9 has been added to provide a selection of the better images obtained by Pioneer 11. This chapter also includes images of the four Galilean satellites. The bibliography has been updated to include scientific

papers published since the original edition."--Authors' preface to new edition (page xi).
