

Cambridge University Press

0521847583 - Planets to Cosmology: Essential Science in the Final Years of the Hubble Space Telescope

Edited by Mario Livio and Stefano Casertano

Table of Contents

[More information](#)

## Contents

<i>Participants</i> . . . . .	<i>vii</i>
<i>Preface</i> . . . . .	<i>xi</i>
<i>Hubble's view of transiting planets</i> . . . . .	1
<i>D. Charbonneau</i>	
Unsolved problems in star formation . . . . .	13
<i>C. J. Clarke</i>	
Star formation in clusters . . . . .	35
<i>S. S. Larsen</i>	
<i>HST</i> abundance studies of low metallicity stars . . . . .	57
<i>J. W. Truran, C. Sneden, F. Primas, J. J. Cowan, and T. Beers</i>	
Physical conditions and feedback: <i>HST</i> studies of intense star-forming environments . . . . .	63
<i>J. S. Gallagher, L. J. Smith, and R. W. O'Connell</i>	
Quasar hosts: Growing up with monstrous middles . . . . .	73
<i>K. K. McLeod</i>	
Reverberation mapping of active galactic nuclei . . . . .	89
<i>B. M. Peterson and K. Horne</i>	
Feedback at high redshift . . . . .	99
<i>A. E. Shapley</i>	
The baryon content of the local intergalactic medium . . . . .	111
<i>J. T. Stocke, J. M. Shull, and S. V. Penton</i>	
Hot baryons in supercluster filaments . . . . .	130
<i>E. D. Miller, R. A. Dupke, and J. N. Bregman</i>	
Galaxy assembly . . . . .	137
<i>E. F. Bell</i>	
Probing the reionization history of the Universe . . . . .	157
<i>Z. Haiman</i>	
Studying distant infrared-luminous galaxies with <i>Spitzer</i> and <i>Hubble</i> . . . . .	174
<i>C. Papovich, E. Egami, E. Le Floch, P. Pérez-González, G. Rieke, J. Rigby, H. Dole, and M. Rieke</i>	
Galaxies at $z \approx 6$ - $i'$ -drop selection and the GLARE Project . . . . .	185
<i>E. R. Stanway, K. Glazebrook, A. J. Bunker, and the GLARE Consortium</i>	
The Hubble Ultra Deep Field with NICMOS . . . . .	195
<i>R. I. Thompson, R. J. Bouwens, and G. Illingworth</i>	