APPENDIX A

THE ESA-ESOC OPERATIONS TEAM

The following is a list of people in the Hipparcos launch team and recovery mission team at ESOC. Many other permanent and contract staff were also involved in such areas as ground station manning, general technical and administrative support. Their contribution is also recognised and appreciated. The launch team is listed by technical area including company affiliation where appropriate. When no such company information appears, it should be inferred that the person in question was permanently employed by ESA.

Launch Team

Flight Control

D. Wilkins		Flight Operations Director
W. Wimmer		Deputy Flight Operations Director
M. Barrett		Ground Operations Manager
J. Dohm		Ground Operations Manager
E. Garcia		Ground Operations Manager
D. Heger		Spacecraft Operations Manager
H. Nye		Spacecraft Operations Manager
M. McCaig	Vega	Spacecraft Operations Engineer
J. Nolan	Vega	Spacecraft Operations Engineer
C. Sollazzo		Spacecraft Operations Engineer
R. Leroux	Thomson	Spacecraft Analyst
P. Vogt	Elekluft	Spacecraft Analyst
E. Schambion	Thomson	Spacecraft Controller
R. Southworth	Thomson	Spacecraft Controller
J. Kouwenberg		Mission Planning
R. Maertens		Mission Planning
J. Murray	Thomson	OCC Support
A. Vega-Izquierdo		OCC Support

Mission Analysis

J. van der Ha		Ground Segment Manager
H. Klinkrad		Mission Analysis
G. Janin		Mission Analysis

Flight Dynamics

R. Muench		Flight Dynamics Coordinator
L. Fraiture		Flight Dynamics Coordinator
M. Soop		Flight Dynamics Coordinator
A. Schütz		Flight Dynamics Coordinator
L. Agrotis	Logica	Orbit Determination
J. Dow		Orbit Determination
O. Mikkelsen	CRI	Orbit Determination
S. Pallaschke		Orbit Determination
W. Peterhaensel	mbp	Orbit Determination
M. Schaefer		Orbit Determination
H. Deasy	Captec	Attitude Determination
R. Ellis	Science Systems	Attitude Determination
G. Gienger		Attitude Determination
J. Palmer	Logica	Attitude Determination
M. Walker	Science Systems	Attitude Determination
N. Wiengarn		Attitude Determination
A. Batten	Science Systems	Attitude Support
J. MacLaren	Logica	Attitude Support
A. McDonald	Logica	Attitude Support
F. Tesseyre		Attitude Support
J. Allan	Logica	Payload Support
P. Davies	Logica	Payload Support
F. Hechler		Manoeuvre Optimisation
T. Morley		Manoeuvre Optimisation
R. Mugellesi		Manoeuvre Optimisation
J. Bishop	Science Systems	Manoeuvre Support
P. Mahr		Manoeuvre Support
H. Stace	Logica	Manoeuvre Support
P. de Broeck†		Quality Assurance
P. Kristiansen	CRI	Quality Assurance
W. Meyer	mbp	Quality Assurance
H. Mueller	mbp	Quality Assurance
H. Ruegheimer	mbp	Quality Assurance
S. Baltzer		Task and Data Handling
P. Gladney	CRI	Task and Data Handling
T. McFarlane	Science Systems	Task and Data Handling

Software Support

N. Head		HDCS Software Coordinator
R. Blake	Logica	HDCS Software Support
G. Di Girolamo		HDCS Software Support
J. Harborne	Logica	HDCS Software Support
M. Keenan	Logica	HDCS Software Support
K. Keyte	Logica	HDCS Software Support
C. Spanholtz	Logica	HDCS Software Support
A. Wollenberg	Logica	HDCS Software Support
P. Maigne		MSSS/SCOS Software Coordinator
M. Ahier	Logica	MSSS/SCOS Software Support
J. Bowers	Logica	MSSS/SCOS Software Support
B. Mullet		MSSS/SCOS Software Support
F. Prati	CAP-SESA	MSSS/SCOS Software Support
H. Thielmann	CAP-SESA	MSSS/SCOS Software Support
M. Vanhamme	CAP-SESA	MSSS/SCOS Software Support
T. Velin	CAP-SESA	MSSS/SCOS Software Support

Computer Support

H. Loetterle		Computer Coordination
P. Neumeister		Computer Coordination
K. Stehling		Computer Coordination
R. Gale	Serco	Computer Operations
N. Godfrey	Serco	Computer Operations
C. Clark	Science Systems	DMSS Computer Software Support
J. Franks		DMSS Computer Software Support
P. Hughes	Science Systems	DMSS Computer Software Support
T. Norris	Science Systems	DMSS Computer Software Support
I. Diddams	Science Systems	MSSS Computer Software Support
J. Everitt	Science Systems	MSSS Computer Software Support
B. Komasa		MSSS Computer Software Support
S. Lane	Shade	MSSS Computer Software Support
A. Habermann	Serco	OPSLAN Support
S. Jespersen	CRI	OPSLAN Support
H. Hammann		Off-line Mainframe Support
F. Kelly	Cara	Off-line Mainframe Support
T. Kennedy	Cara	Off-line Mainframe Support
S. Llorente		Off-line Mainframe Support

Engineering Support

T. Beck		Engineering Support
W. Wittwer		Engineering Support

Network Support

A. Martin-Crespo		Malindi Ground Station
J. Comas-Bullo		Malindi Ground Station
G. Wittig		Odenwald Ground Station
N. Bobrinsky		Kourou Ground Station
P. Fauquet		Kourou Ground Station
A. Nicot		OCC
H. Dorner	Elekluft	OCC Maintenance
H. Groll	Elekluft	OCC Maintenance
D. Rossin	Elekluft	OCC Maintenance
J. Schloesser	Elekluft	OCC Maintenance
T. Spoerer	Elekluft	OCC Maintenance
D. Weinitschke	Elekluft	OCC Maintenance
P. Jensen		Simulations Support
S. Rodgold		Simulations Support
G. Schreiber	Elekluft	Simulations Support
M. Sheldon	Serco	Simulations Support
J. Fay		DPSS Support
J. Huber	Elekluft	DPSS Support
A. Kabir	CAP-SESA	DPSS Support

GTS Support

G. Schellenberg		GTS Coordinator
W. Waechter		GTS Support

Revised Mission Operations Team

Dietmar Heger		1989–93	MOD	Spacecraft Operations Manager
Howard Nye		1989–90	MOD	Spacecraft Operations Manager
Jozef van der Ha		1989–93	MOD	Ground Segment Manager
Hans-Heinrich Klinkrad		1989	MOD	Mission Analysis
Oscar Ojanguren		1989–93	MOD	Spacecraft Operations Engineer
Claudio Sollazzo		1989–93	MOD	Spacecraft Operations Engineer
Mike McCaig	Vega	1989–90	MOD	Spacecraft Operations Engineer
John Nolan	Vega	1989–90	MOD	Spacecraft Operations Engineer
Joerg Fischer	mbp	1990–93	OAD	Flight Dynamics Engineer
„	Vega	1993	MOD	Spacecraft Operations Engineer
Rene Leroux	Thomson	1989–90	MOD	Spacecraft Analyst
Peter Vogt	Elekluft	1989–90	MOD	Spacecraft Analyst
Richard Southworth	Thomson	1989–90	MOD	Spacecraft Controller
„	„	1990–91	MOD	Spacecraft Analyst
Mario Monaldi	Vitrociset	1989–90	MOD	Spacecraft Controller
„	„	1990–93	MOD	Spacecraft Analyst
Eric Schambion	Thomson	1989–91	MOD	Spacecraft Controller
„	„	1991–93	MOD	Spacecraft Analyst
John Barry	Thomson	1989–93	MOD	Spacecraft Controller
Rudi Ciarletta	Vitrociset	1989–93	MOD	Spacecraft Controller
Alan Flowers	Thomson	1989–92	MOD	Spacecraft Controller
Trevor Thomson	Serco	1990–93	MOD	Spacecraft Controller
Aldo Ingegnieri	Vitrociset	1990–91	MOD	Spacecraft Controller
Mike Seidel	Elekluft	1991–93	MOD	Spacecraft Controller
Lance Hayward	Serco	1991–93	MOD	Spacecraft Controller
Frank Lautenschlaeger	Thomson	1992–93	MOD	Spacecraft Controller
Andrew Andris	Elekluft	1993	MOD	Spacecraft Controller
Steve Grant	Serco	1993	MOD	Spacecraft Controller
Alain Schütz		1989–93	OAD	Flight Dynamics Coordinator
Paul de Broeck†		1989–92	OAD	Flight Dynamics Quality Assurance
C. van der Beken		1989	OAD	Flight Dynamics Engineer
Alastair McDonald	Logica	1989–93	OAD	Flight Dynamics Engineer
Alan Batten	Science Systems	1989–93	OAD	Flight Dynamics Engineer
Poul Kristiansen	CRI	1989–93	OAD	Flight Dynamics Quality Assurance
John Auburn	Science Systems	1989–91	OAD	Flight Dynamics Engineer
Philip Davies	Logica	1989–90	OAD	Flight Dynamics Engineer
John Allan	Logica	1989	OAD	Flight Dynamics Engineer
„	„	1990–93	DPD	Software Support
Jimmy MacLaren	Logica	1989	OAD	Flight Dynamics Engineer
Kevin Galloway	Science Systems	1989–91	OAD	Flight Dynamics Engineer
Beatrice Mueller	mbp	1989–90	OAD	Flight Dynamics Engineer
Lisa Retbøll	Logica	1989–90	OAD	Flight Dynamics Engineer
Steen Retbøll	CRI	1990–93	OAD	Flight Dynamics Engineer
Mark Thomas	Science Systems	1990–92	OAD	Flight Dynamics Engineer
Dom Lindars	Logica	1990	OAD	Flight Dynamics Engineer
Paul Shah	Logica	1990–91	OAD	Flight Dynamics Engineer

Nick White	Logica	1990–92	OAD	Flight Dynamics Engineer
„	„	1992–93	DPD	Software Support
Vippin Gupta	Science Systems	1991–93	OAD	Flight Dynamics Engineer
Juan Morras	GMV	1991–93	OAD	Flight Dynamics Engineer
Karen Rollin	Logica	1991–93	OAD	Flight Dynamics Engineer
Mike Walker	Science Systems	1992–93	OAD	Flight Dynamics Engineer
Carsten Petersen	CRI	1992–93	OAD	Flight Dynamics Engineer
Pedro Schoch	GMV	1992–93	OAD	Flight Dynamics Engineer
Francisco Martinez	GMV	1993	OAD	Flight Dynamics Engineer
Rainer Kresken	mbp	1993	OAD	Flight Dynamics Engineer
Johann Schoenmaekers		1993	OAD	Flight Dynamics Quality Assurance
Nigel Head		1989–91	DPD	Software Support Coordinator
Angela Wollenberg		1991–93	DPD	Software Support Coordinator
Jon Harborne	Logica	1989–90	DPD	Software Support
Charles Spanholtz	Logica	1989–90	DPD	Software Support
Rick Blake	Logica	1989–92	DPD	Software Support
Mike Keenan	Logica	1989–90	DPD	Software Support
Honour Luckins	Logica	1990–91	DPD	Software Support
Mark Hampson	Logica	1990–91	DPD	Software Support
Matthew Couch	Logica	1991–92	DPD	Software Support
Stuart McMillan	Logica	1992–93	DPD	Software Support
John Calladine	Logica	1992–93	DPD	Software Support

Acronyms:

DMSS	Distributed Mission Support System
DPD	Data Processing Division
DPSS	Data Packet Switching System
GTS	General Technical Services
HDCS	Hipparcos Dedicated Control System
MOD	Mission Operations Department
MSSS	Multi-Satellite Support System
OAD	Orbit and Attitude Division
OCC	Operations Control Centre
OPSLAN	Operational Local Area Network
SCOS	Spacecraft Control and Operations System